

A decorative graphic consisting of two overlapping, wavy lines. The top line is white and the bottom line is green, both curving across the lower half of the page.

Catalogue • Price List 2020.4

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With foresight the acronym **FAR** was invented by the brothers Allesina, Alberto, Guerrino and Rovaletti Nicola when, in 1974, they chose a road that would take them 'far' away and today **FAR** products have crossed all boundaries and entered the most important international markets.

The company is solidly based on its strengths of quality, reliability and innovation, making **FAR** a major player in the plumbing, heating and sanitation sector. There are now many applications for **FAR** products, including traditional heating systems, radiant and geothermal, solar thermal systems, sanitation and cooling.

The winning combination of technology and experience has allowed **FAR** to excel in the design and manufacture of innovative, versatile products that reflect the company's competitive and vital spirit, as well as constantly anticipating the changing needs of the market.

FAR has kept pace with rapidly changing technologies in all areas of production, assembly and testing, using the latest generation of production machinery and automated lines alongside a highly qualified team of designers and other specialized staff. Efficient internal organization has enabled the company to maintain certification to the UNI EN ISO 9001 Quality Management System standard since 1995. In the design and creation of its products, **FAR** is also fully committed to sustainable development, environmental protection and energy efficiency and is certified to the UNI EN ISO 14001 Environmental Management standard. Currently, **FAR** is implementing a system of integrated management including the Certification of Health and Safety Management System to the ISO 45001 standard.

Authoritative international agencies have tested and certified the conformity of **FAR** products to the highest quality standards. The company has also recently obtained the status of 'approved exporter', which certifies the Italian origin of its products, based on a secure and reliable network of local economic operators and a positive contribution to the socio-economic welfare of the region in which **FAR** operates.

All raw materials used in the production of **FAR** products are of certified quality, ensuring the **FAR** range delivers guaranteed safety and performance with minimal environmental impact and in compliance with the latest environmental legislation. **FAR**'s experienced technical staff are also available to provide optimal solutions for all needs.

With the new **CATALOGUE · PRICE LIST 2020.4**, the company expands its products range with the aim to satisfy the requirements of its customers.



FAR Gozzano (NO) - Main factory - Production departments - Warehouse - Offices





FAR factory 2 Gozzano (NO) - Brass machining department - Warehouse



FAR factory 3 - San Maurizio d'Opaglio - Production departments - Warehouse - Offices

CERTIFICAZIONE DEL SISTEMA DI GESTIONE

Si attesta che / We certify that

FAR RUBINETTERIE S.p.A.
Via Morena, 20 - 28024 Gozzano (NO)

E' conforme ai requisiti della norma / Is according to the standard
UNI EN ISO 9001: 2015

Per le seguenti attività / Concerning the following activities
Progettazione, fabbricazione e commercializzazione di componenti per impianti idrotermosanitari

Certificato n. / Certificate n.
SSG 14990 AQ 2899

Prima emissione / First issue
22/12/1995

Emissione corrente / Current issue
29/01/2019

Sett. EA / EA Code
18

Data scadenza / Expiring on
19/02/2022

dr. Ing. Giuseppe Leuci
(Responsabile Sistema di Gestione)



5503 n° 0364
Membro degli organismi di Mutuo Riconoscimento
EA, IAF e ILAC
Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

La validità del presente certificato è subordinata alla regolarità periodica annuale del sistema di Gestione con periodicità annuale. Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nella validità della certificazione o per la qualità conforme al presente certificato, si prega di contattare il centro di competenza ANCCP 20071 Valassina secondo indirizzo e-mail fornita in copia in presente documento. Per le richieste di certificazione o rinnovo della certificazione del presente certificato, il presente certificato è valido fino alla scadenza del presente certificato. Per le informazioni circa la certificazione o rinnovo della certificazione, si prega di contattare il centro di competenza ANCCP 20071 Valassina secondo indirizzo e-mail fornita in copia in presente documento. For information about the certificate or renewal of the certificate, please contact the center of competence ANCCP 20071 Valassina.

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Tel. +39 0586 209006 anccp@anccp.it - www.anccp.com

CERTIFICATE CERTIFICATO



CERTIFICAZIONE DEL SISTEMA DI GESTIONE

Si attesta che / We certify that

FAR Rubinetterie S.p.A.
Via Morena 20, 28024 Gozzano (NO)

E' conforme ai requisiti della norma / Is according to the standard
ISO 14001: 2015

Per le seguenti attività / Concerning the following activities
Progettazione, costruzione, collaudo e commercializzazione di componenti per impianti idrotermosanitari

Certificato n. / Certificate n.
SSG 14938 AQ 330

Prima emissione / First issue
27/01/2016

Emissione corrente / Current issue
28/01/2019

Sett. EA / EA Code
17-18

Data scadenza / Expiring on
27/01/2022

dr. Ing. Giuseppe Leuci
(Responsabile Sistema di Gestione)

La validità del presente certificato è subordinata alla regolarità periodica annuale del sistema di Gestione con periodicità annuale. Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nella validità della certificazione o per la qualità conforme al presente certificato, si prega di contattare il centro di competenza ANCCP 20071 Valassina secondo indirizzo e-mail fornita in copia in presente documento. Per le richieste di certificazione o rinnovo della certificazione del presente certificato, il presente certificato è valido fino alla scadenza del presente certificato. Per le informazioni circa la certificazione o rinnovo della certificazione, si prega di contattare il centro di competenza ANCCP 20071 Valassina secondo indirizzo e-mail fornita in copia in presente documento. For information about the certificate or renewal of the certificate, please contact the center of competence ANCCP 20071 Valassina.

www.anccp.eu anccp@anccp.eu

CERTIFICATE CERTIFICATO



**ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ
ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ**

Заявитель: Закрытое акционерное общество «ГВАРДИОЛА»
Место нахождения: 117997, Россия, город Москва, улица Архитектора Власова, дом 55, основной государственный регистрационный номер 1097746270071
Телефон: +74957855500 Адрес электронной почты: ru@guardiola.ru
в лице Генерального директора Назаркина Кирилла Владимировича
заявляет, что Арматура промышленная трубопроводная, торговая марка «FAR», согласно приложению № 1 на 2 листах.
Иготовитель «FAR Rubinetterie S.p.A.»
Место нахождения: Италия, Via Morena 20 28024, Gozzano (NO)
Продукция изготовлена в соответствии с Директивой 2006/42/ЕС "о машинах и механизмах"
Код (коды) ТН ВЭД ЕАЭС: 8481 80 390 0, 8481 80 599 0, 8481 10 990 8, 8481 80 990 7

Серийный выпуск:
соответствует требованиям
ТР ТС 010/2011 "О безопасности машин и оборудования"
Декларация о соответствии принята на основании
Протоколов испытаний №№ 03/17-0506, 03/17-0511, 03/17-0510, 03/17-0507, 03/17-0509, 03/17-0508 от 10.03.2017 года, выданных Испытательной лабораторией Общества с ограниченной ответственностью "Экспертсервис" (Аттестат: Обоснование безопасности; Перечень стандартов, требований которых исполнено соответствовать данному оборудованию из Перечня стандартов, указанных в статье 6 ТР ТС 010/2011 "О безопасности машин и оборудования")

Схема декларирования соответствия: 3д
Дополнительная информация
Стандарты, обеспечивающие соблюдение требований технических регламентов ГОСТ 12.2.063-2015 раздела 1-3 "Арматура трубопроводная. Общие требования безопасности". Условия хранения изделий в части воздействия климатических факторов внешней среды по ГОСТ 15150-09. Назначенный срок годности и срок хранения указаны в прилагаемой к продукции эксплуатационной документации.

Декларация о соответствии действительна с даты регистрации по 09.03.2022 включительно.
Назаркин Кирилл Владимирович
(подпись)

Регистрационный номер декларации о соответствии: ЕАЭС № RU Д-Т-АБ15.В.01821
Дата регистрации декларации о соответствии: 10.03.2017



**CERTIFICATO DI OMOLOGAZIONE DI TIPO
N. MAC019516CS**

Si certifica che il seguente prodotto soddisfa le prescrizioni delle norme qui specificate.

Descrizione Tipo	Valvole Valvole a sfera a 2 e 3 vie 3 vie deviatrici 3 vie con sfera di by pass 3 vie con tee di by pass. ARTICOLI: 3015 12/ 3016 12/ 3017 12/ 3020 12/ 3021 12/ 3022 12/ 3015 34/ 3016 34/ 3017 34/ 3020 34/ 3021 34/ 3022 34/ 3023 34/ 3025 1/ 3030 1/ 3015 114/ 3016 114/ 3017 114/ 3020 114/ 3021 114/ 3022 114
Richiedente	FAR RUBINETTERIE S.P.A. VIA MORENA, 20 28024 GOZZANO (NO) ITALY
Fabbricante Luogo di produzione	FAR RUBINETTERIE S.P.A. VIA MORENA, 20 28024 GOZZANO (NO) ITALY
Norme di riferimento	Norme RINA

Rilasciato a Genova il 21 Gennaio 2016. Questo Certificato è valido fino al 21 Gennaio 2021
RINA Services S.p.A.
Francesco Sciacca

Questo Certificato annulla e sostituisce quello precedentemente emesso con No. MAC470710CS datato 24/01/2011.
Questo Certificato è composto di 1 pagina e di 1 allegato.



CERTIFICATO DI ESAME UE DEL TIPO
EU TYPE EXAMINATION CERTIFICATE

N. 00275PED58002BP Rev. 0

ATTESTA ATTESTS

che il prototipo presentato da
that the prototype submitted by

FABBRICANTE MANUFACTURER FAR RUBINETTERIE SPA
Via Morena, 20 - 28024 Gozzano (NO) - ITALIA

Convenzione PASCAL Srl a socio unico
Organismo notificato n. 1115
Via A. S. 11 - 20151 Milano (MI)
Tel. 02 4641 8100 - Fax 02 4641 8142
www.convenzionepascal.it

Convenzione PASCAL s.r.l. a socio unico, quale Organismo Notificato n. 1115
Convenzione PASCAL s.r.l. a socio unico, acting as Notified Body n. 1115

soddisfa le disposizioni dell'Allegato III, Modulo B - Tipo di produzione della Direttiva 2014/68/UE
satisfies the requirements of Annex III, Module B - Production Type of the Pressure Equipment Directive 2014/68/UE

ACCESSORI DI SICUREZZA SAFETY ACCESSORIES Valvole di sicurezza ordinarie e combinate
Ordinary and combined safety valves

Modelli coperti Covered models PASCAL N. 07332
Fascicolo Tecnico Technical file A list of the relevant technical documentation is summarized in appendix A.

Disegno Drawing AL 08-05 FTVS Rev. 0 § 3
Codice Progetto Design Code EN 12816-3 2003

Report di valutazione Evaluations Reports

LIMITI ESSENZIALI AMMISSIBILI ESSENTIAL ALLOWABLE LIMITS

	Art. 2002	Art. 2003	Art. 2004	Art. 2005	Art. 2007	Art. 2008	Art. 2009
PS (bar g)	10	10	10	10	10	10	10
TS min/max (°C)	5/125	5/125	5/125	5/125	5/125	5/125	5/125
Volume (L)/DN	15	15	15	1/2" - 3/4"	1/2"	15-20	15-20
Fluido Fluid	Acqua	Acqua	Acqua	Acqua	Acqua	Acqua	Acqua
Gruppo Fluido Fluid Group	2	2	2	2	2	2	2
Categoria di Rischio Risk Category	IV	IV	IV	IV	IV	IV	IV

ACCREDITA
09/06/2008
09/06/2018
08/06/2028

CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON
Laboratoire Agré pour les analyses d'eaux par le Ministère de la Santé

ATTESTATION DE CONFORMITE SANITAIRE
Certificate of sanitary conformity

Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la Santé
Direction Générale de la Santé DGS/SD7A N° 571 du 25 Novembre 2002

Coordonnées du demandeur d'ACS / Contact details of the ACS owner :

FAR RUBINETTERIE SPA
Via Morena, 20
28024 GOZZANO (NO)
ITALIE

Nom de l'accessoire représentatif / Reference of the representative accessory :
Collecteur / Manifold MultifAR 3824

17 ACC LY 020

N° de dossier attribué par le laboratoire habilité / File reference :

Date de réalisation des essais d'inertie selon la norme XP P41-280 : aucun essai de migration n'est nécessaire
Tests date (according to the standard XP P 41-280) : No testing is required to issue this ACS

Commentaires : Aucun essai de migration n'est nécessaire à l'obtention de cette ACS (composants conformes).
Comments : No testing is required to issue this ACS (components are compliant).

Famille d'accessoires couverte par l'ACS / Accessories family covered by this certificate :
Collecteurs / Manifolds MultifAR

Références / References (6 références) :

- Art. 3821
- Art. 3822
- Art. 3825
- Art. 3850
- Art. 3855

Attestation délivrée par / Certificate issued by :

Christelle ALTUGELLE
Responsable MCDE
CARSO - L.S.E.H.L.

Signature

Date de délivrance / Date of issue : 13 Janvier 2017
Date d'expiration / Expiry date : 13 Janvier 2022

Commentaires / Comments : /

F. MC060-b-1509/2014 MLN
Société par action simplifiée au capital de 2 283 622,30 Euros - RCS Lyon B 410 545 313 - SIRET 410 545 313 00041 - APE 743 B - N° TVA : FR 42 410 545 313



IAPMO R&T OCEANIA
1040 Dandenong Road, Carnegie VIC 3163 AUSTRALIA



IAPMO R&T Oceania is a product certification body which reports and arranges for the independent laboratory testing of samples taken from the manufacturer's stock or from the market or a combination of both, to verify compliance of the requirements of applicable Standards and Specifications. This activity is coupled with periodic surveillance of the manufacturer's factory and any other subcontractor's sites as well as the assessment of the manufacturer's Quality Assurance System. This certification is subject to the conditions set forth in the characteristics table and is not to be construed as any recommendation, assurance or guarantee by IAPMO R&T Oceania of the product, acceptance by Australian Housing Jurisdiction.

WATERMARK LICENCE
WaterMark Level 1

IAPMO R&T Oceania hereby grants to:
FAR Rubinetterie S.p.a.
Via Morena 20, Gozzano 28024 ITALY

the right to use the WaterMark in accordance with the "Procedures for Certification of Plumbing and Drainage Products - WaterMark Technical Specifications" and the Plumbing Code of Australia only in respect of the certified product as described in the attached WaterMark Schedule. The Licence is granted subject to the rules governing the WaterMark Certification Scheme and the Terms and Conditions for WaterMark Certification.

Evaluated to:
AS 1357.2: 2005 incl Amdt 1 & 2 Valves primarily for use in heated water systems - Control valves

Manufacturer:
FAR Rubinetterie S.p.a.

Licence No.: WM-020344
(Certificate of Certification No.: IAPMO-WM-020344-103-000)

Certified Date: 15 September 2009

Issue Date: 16 March 2017

Expiry Date: 15 March 2022

Russ Cherry

Chief Executive Officer of the IAPMO Group

This WaterMark verification is for the period indicated herein and is valid after the date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of IAPMO R&T Oceania, or any evidence of non-compliance with applicable Standards, Specifications or of false workmanship, may be deemed sufficient cause for revocation of this certification. Reproduction of or reference to this certificate for advertising purposes may be made only by specific written permission of IAPMO R&T Oceania. Any alteration of this certificate could be grounds for revocation of this certification.



DVGW-Baumusterprüfzertifikat
DVGW type examination certificate

DW-8501BS0155
Registrierungsnummer
registration number

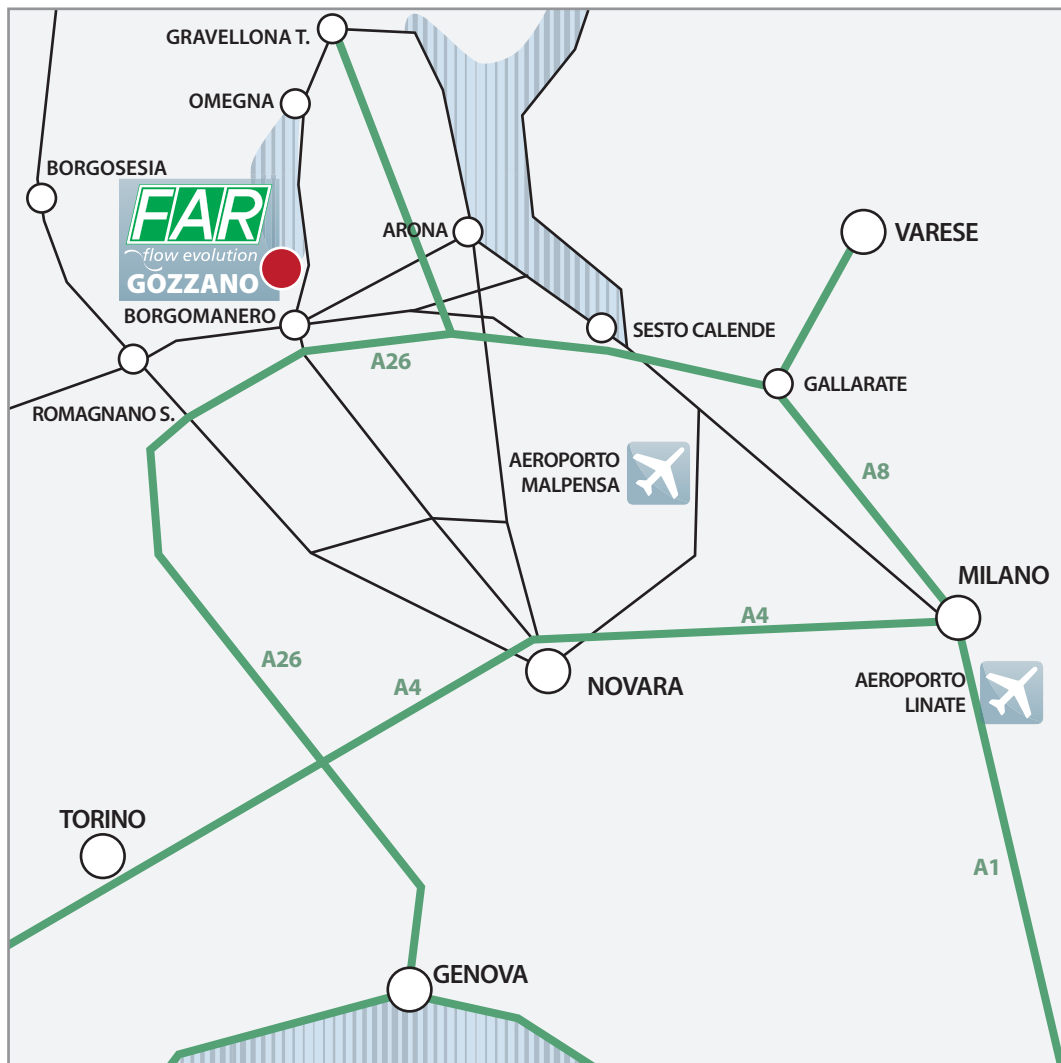
Anwendungsbereich field of application	Produkte der Wasserversorgung products of water supply
Zertifikatinhaber owner of certificate	FAR RUBINETTERIE S.p.A. via Morena, 20 - C.P. Nr. 75, I-28024 Gozzano (NO)
Vertreiber distributor	FAR RUBINETTERIE S.p.A. via Morena, 20 - C.P. Nr. 75, I-28024 Gozzano (NO)
Produktart product category	Installationsysteme und Systemverbinder: Trinkwasserinstallationsystem (8501)
Produktbezeichnung product description	Trinkwasserinstallationsystem, bestehend aus Verbundrohren PE-RT/AlPE-HD und Pressverbinder aus Metall, Typ M-MV
Modell model	PRESSFAR
Prüfberichte test reports	Kontrollprüfung Labor: V327/16.2 vom 04.11.2016 (IMA) Mechanikprüfung: B025.2/10 vom 03.03.2010 (IMA) Baumusterprüfung: B013/16 vom 29.03.2007 (IMA) KTW-Prüfung: KA 0216/14 vom 24.05.2016 (TZW) Mikrobiologische Prüfung: MO 065/16 vom 18.07.2016 (TZW)
Prüfgrundlagen test basis	DVGW CERT ZP 8500 (01.01.2017) DVGW W 534-4P (01.07.2015) UBA METALLE (15.03.2017) UBA ELASTOM (16.03.2016) DVGW W 270 (01.11.2007)
Ablaufdatum / AZ date of expiry / file no.	29.03.2022 / 17-0174-WNV

27.06.2017 GI A-1/2
Eugen, Bausteller, Bsp. Leiter der Zertifizierungsstelle
Date, issued by, head, head of certification body



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DVGW CERT GmbH ist ein akkreditiertes Body für die Zertifizierung von Produkten der Energie- und Wasserwirtschaft.
DVGW CERT GmbH is an accredited body by DAKKS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply industry.



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ITALY



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Cell 335 5305358 Artesani Alfio
Cell 338 5317073 Artesani Chiara
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Cell 335 451465 Brugo Renzo
Cell 340 4153940 Brugo Mario
E-Mail agenzia_brugo@alice.it

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Tel./Fax 0736 844135
Cell 348 3705016
E-Mail info@agenziacriscuoli.com

MARCHE - ABRUZZO - MOLISE - UMBRIA

NEXTEP SERVICE S.N.C.

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Fax 055.2697666
Cell 348 5158295 Leonardo Vieri
Cell 392 3133389 Michele Montuschi
E-Mail info@nextepservice.com

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Cell 349 5249145 Artico Federico
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LAZIO

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73100 LECCE (LE)
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PUGLIA

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SINERGIE RAPPRESENTANZE di Pau & Pili S.n.c.

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SARDEGNA

EUROPE AND NON-EUROPEAN COUNTRIES



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**BOSNIA ERZEGOVINA-CROAZIA-MACEDONIA
MONTENEGRO-SERBIA-SLOVENIA-KOSOVO**



FAR factory in Gozzano (NO)

Reception



Brass machining area



Assembly department



Warehouse



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02 Components for renewable energy systems

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09 PRESSFAR fittings and accessories

10 Fittings and accessories

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Products index by code

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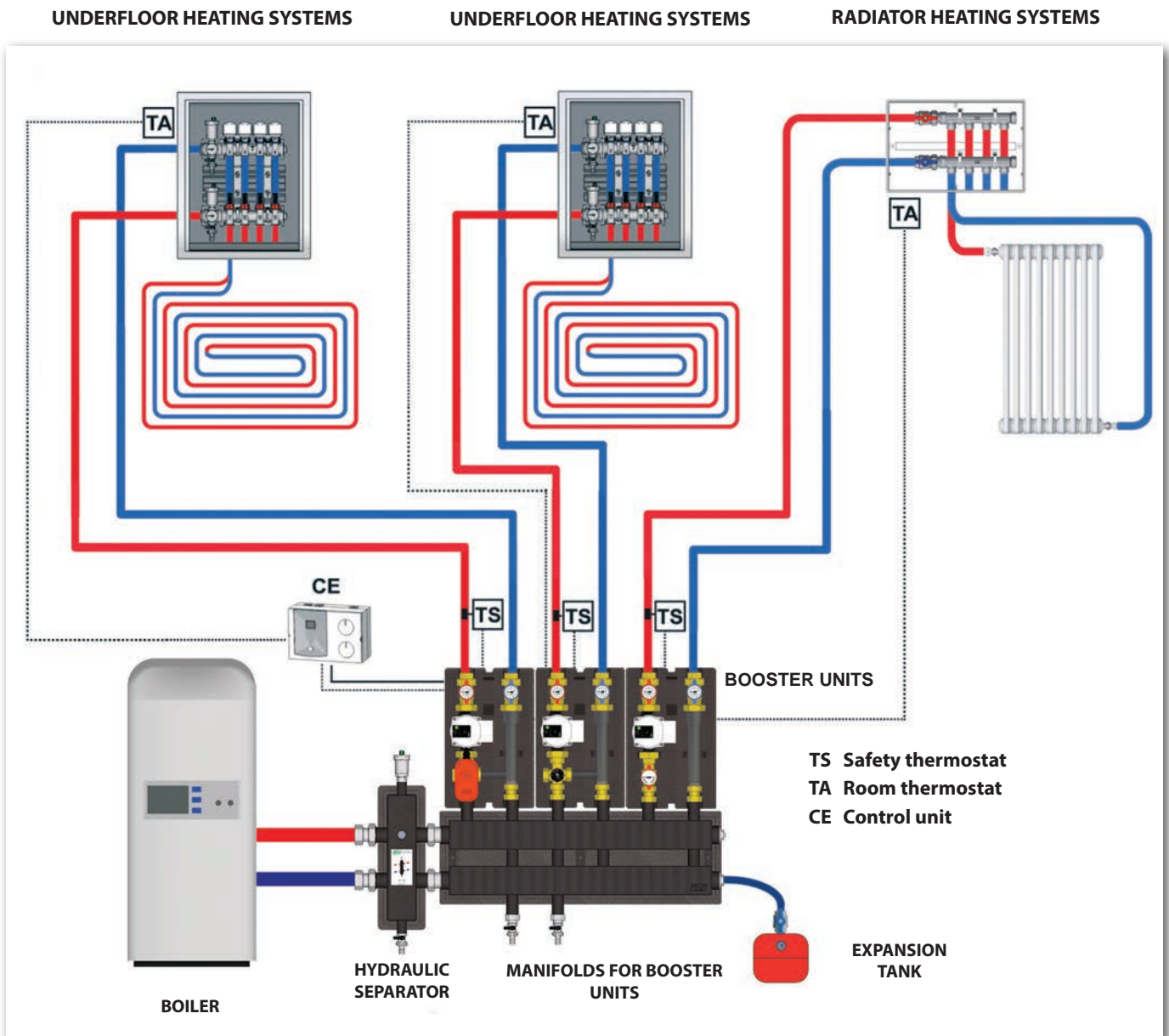


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FAR booster units are components designed for installation in central heating plant serving a variety of systems.



Every booster unit is provided with shut-off valves complete with temperature gauge and seats, pump, an extension piece with non-return valve and insulation.

Units are available in the following versions:

- **Booster unit complete with modulating mixing valve**
- **Booster unit for high temperature**
- **Booster unit with set point thermostatic mixer**

Art. 2168 - Art. 2176 - Art. 2179 - Art. 2186

Art. 2166 - Art. 2171 - Art. 2177

Art. 2167 - Art. 2174 - Art. 2178

When using the modulating mixing valve it is necessary to include the control unit:

- **Set point functioning** **Art. 9612 - Complete with control unit and delivery probe.**
- **Temperature control (Hot)** **Art. 9611 - Complete with control unit, delivery probe and external probe.**
- **Temperature control (Hot/Cold)** **Art. 9614 - Complete with control unit, delivery probe and external probe.**

To complete the installation we recommend inclusion of a safety thermostat, Art. 7951, on the supply pipe - using one or more thermostat, Art. 7946.

Booster unit for high temperature complete with:

- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm


ART. 2166


Code	size	pump	pump centre distance	€	box	pack
2166 1130EA	1"	electronic 1-7 m	130 mm	409,14	1	1
2166 1180E6	1"	electronic 1-6 m	180 mm	431,41	1	1
2166 1180EA	1"	electronic 1-8 m	180 mm	758,35	1	1
2166 114180E7	1"1/4	electronic 1-7 m	180 mm	794,66	1	1
2166 114180E11	1"1/4	electronic 1-11 m	180 mm	1.010,96	1	1

Set point booster unit complete with:

- set point thermostatic mixer with 18 ÷ 55°C scale
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm


ART. 2167


Code	size	pump	pump centre distance	€	box	pack
2167 1130EA	1"	electronic 1-7 m	130 mm	490,10	1	1
2167 1180E6	1"	electronic 1-6 m	180 mm	511,51	1	1
2167 1180EA	1"	electronic 1-8 m	180 mm	881,39	1	1

Booster unit complete with:

- reversible mixing valve
- 3-point actuator 230V 50Hz
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm


ART. 2168


Code	size	pump	pump centre distance	€	box	pack
2168 1130EA	1"	electronic 1-7 m	130 mm	566,44	1	1
2168 1180E6	1"	electronic 1-6 m	180 mm	588,24	1	1
2168 1180EA	1"	electronic 1-8 m	180 mm	968,88	1	1
2168 114180E7	1"1/4	electronic 1-7 m	180 mm	940,85	1	1
2168 114180E11	1"1/4	electronic 1-11 m	180 mm	1.157,20	1	1

Booster unit for high temperature complete with:

- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm



ART. 2171

Code	size	pump	pump centre distance	€	box	pack
2171 1130EA	1"	electronic 1-7 m	130 mm	517,14	1	1
2171 1180E6	1"	electronic 1-6 m	180 mm	535,49	1	1
2171 1180EA	1"	electronic 1-8 m	180 mm	853,33	1	1

Set point booster unit complete with:

- set point thermostatic mixer with 18 ÷ 55°C scale
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm



ART. 2174

Code	size	pump	pump centre distance	€	box	pack
2174 1130EA	1"	electronic 1-7 m	130 mm	598,57	1	1
2174 1180E6	1"	electronic 1-6 m	180 mm	619,69	1	1
2174 1180EA	1"	electronic 1-8 m	180 mm	1.026,89	1	1

Booster unit complete with:

- reversible mixing valve
- 3-point actuator 230V 50Hz
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm



ART. 2176

Code	size	pump	pump centre distance	€	box	pack
2176 1130EA	1"	electronic 1-7 m	130 mm	674,72	1	1
2176 1180E6	1"	electronic 1-6 m	180 mm	700,09	1	1
2176 1180EA	1"	electronic 1-8 m	180 mm	1.086,93	1	1

Booster unit complete with:

- reversible mixing valve with **0-10V actuator**
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm

0-10V


ART. 2186

Code	size	pump	pump centre distance	€	box	pack
2186 1130EA	1"	electronic 1-7 m	130 mm	769,54	1	1
2186 1180E6	1"	electronic 1-6 m	180 mm	795,16	1	1
2186 1180EA	1"	electronic 1-8 m	180 mm	1.172,95	1	1

Booster unit for high temperature complete with:

- by-pass differential valve with 0,1 ÷ 0,6 bar calibration range
- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm


ART. 2177

Code	size	pump	pump centre distance	€	box	pack
2177 1130EA	1"	electronic 1-7 m	130 mm	621,30	1	1

Set point booster unit complete with:

- set point thermostatic mixer with 18 ÷ 55°C scale
- by-pass differential valve with 0,1 ÷ 0,6 bar calibration range
- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm


ART. 2178

Code	size	pump	pump centre distance	€	box	pack
2178 1130EA	1"	electronic 1-7 m	130 mm	714,52	1	1

Booster unit complete with:

- reversible mixing valve
- 3-point actuator 230V 50Hz
- by-pass differential valve with 0,1 ÷ 0,6 bar calibration range
- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm


ART. 2179

Code	size	pump	pump centre distance	€	box	pack
2179 1130EA	1"	electronic 1-7 m	130 mm	791,40	1	1

Manifolds for central heating.

- External painted surface
- Centre distance between ports: 125 mm
- Side connections: 1"1/4 - 2" female
- Outlets: 1" - 1"1/4 male
- Pmax = 8bar
- Tmax = 95°C
- Supplied with PPE insulation

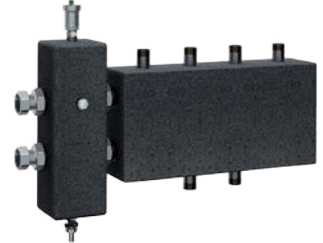


ART. 2191

Code	size	connections	ports	€	box	pack
2191 11402	1"1/4	1"	2+1	390,85	1	1
2191 11403	1"1/4	1"	3+1	481,17	1	1
2191 202	2"	1"1/4	2+1	577,94	1	1
2191 203	2"	1"1/4	3+1	738,04	1	1
2191 204	2"	1"1/4	4+1	929,86	1	1

Distribution unit for central heating.

- External painted surface
- Centre distance between ports: 125 mm
- Side connections: 1"1/4 female
- Outlets: 1" male
- Pmax = 8bar
- Tmax = 95°C
- Supplied with PPE insulation



ART. 2192

Code	size	ports	€	box	pack
2192 11402	1"1/4	2+1	697,85	1	1
2192 11403	1"1/4	3+1	792,09	1	1

Connection kit between:

- manifold (art. 2191 2) and hydraulic separator art. (2161 2)
- Side connections: 2" male

ART. 2193



Code	size	€	box	pack
2193 2	2"	269,70	10	80



Chrome-plated straight 3-piece connection to join manifolds for central heating.

- male-male connections



ART. 5153

Code	size	€	box	pack
5153 114	1"1/4	21,62	10	80

Set point control unit for heating systems complete with:

- delivery probe and 3/8" seat

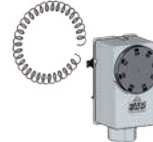
ART. 9612

Code	€	box
9612	323,07	1



Thermostat with contact probe.

- Control temperature range: 20/90°C
- Protection level: IP40



ART. 7951

Code	€	box
7951	28,28	1

Electronic controller for heating systems.

- Climatic or set point operation
- Easy interface
- Pump control
- Room thermostat inlet
- System control and safety functions
- Complete with supply and external probe

ART. 9611

Code	€	box
9611	446,93	1



Weekly electronic chrono-thermostat with digital display.

- Battery power (no. 2 AA 1,5V batteries - not supplied)
- Operating mode: Auto, Comfort, Economy and OFF/Frost protection
- Program range: 30 minutes
- Summer/Winter switch
- Wall mounting



ART. 7946

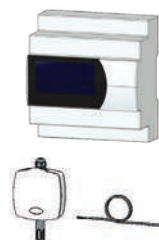
Code	€	box
7946	141,87	1

Single-zone electronic controller for heating and cooling systems, complete with:

- Delivery probe and 3/8" seat
- External probe
- Feed voltage: 24V
- Installation: DIN rail

ART. 9614

Code	€	box
9614	1.310,00	1



Temperature and humidity probe for art. 9614.



ART. 9605

Code	€	box
9605	268,80	1

Couple of brackets for booster unit.



ART. 7478

Code	€	box
7478	6,55	1

Description

The FAR Hydraulic Separator is designed for installation in heating and cooling systems. It is equipped with a main primary pump and 2 or more secondary pumps.

Its function is to separate the primary circuit (coming from the boiler or chiller) from the secondary circuit, which distributes the hot or chilled water.

It is available in the following sizes: 1", 1 1/4", 1 1/2" and 2" with threaded connections and in DN50, DN65, DN80 and DN100 with flanged connections.

More functions from a single unit

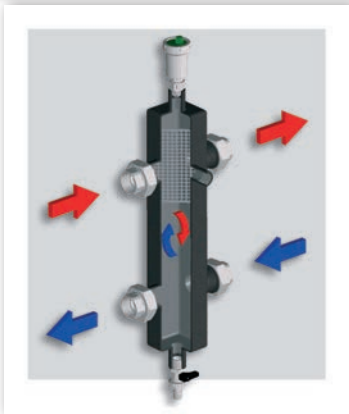
The FAR separator offers a variety of functions. It is equipped with a mesh type strainer, any impurities can thus be removed from the system by opening a drain cock located in the lower section of the separator, while an air vent valve in the top section makes it easy to purge air. The inner mesh, besides capturing any impurities in the water passing through the separator, also causes any air bubbles to slow down and rise to the top where they can be vented out of the system. To simplify routine maintenance or component replacement, the air vent valve incorporates a non-return valve.

The separator is equipped with a 1/2" connection at the front, which permits installation of a temperature gauge. Pre-formed insulation can be used to thermally isolate the separator.

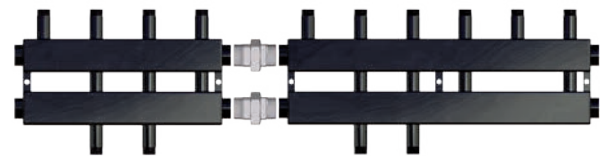
Benefits

The separator combines a range of functions and benefits; its installation protects against any kind of interference to either primary and secondary circuit pumps. It can also operate as a by-pass valve in the event of flow failure caused by lack of demand from diverted circuits.

In certain circumstances pumps may have to operate beyond their working range and the separator protects them against burn out, ensuring proper functioning of each and every circuit.

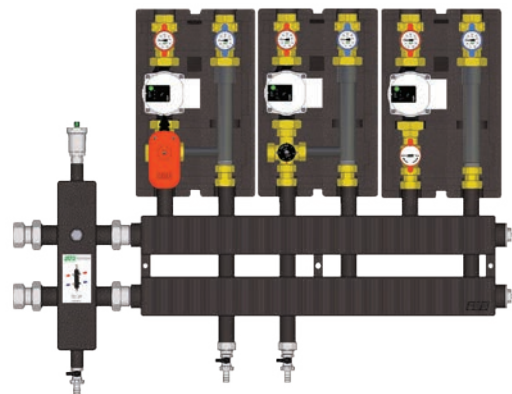


The illustration shows the separator mesh section. Depending on flow demand from the secondary circuit, the circulation flows will change inside the separator. This means that, if there's no flow demand from the secondary circuit, flow will automatically be redirected back to the boiler.



To join more manifolds use fitting art. 5153 114. We suggest to join no more than 2 manifolds to get a manifold for 5+2 units.

Here you can see an example of hydraulic separator application. Three booster units are located on the secondary circuit: this kind of system requires a separator in order to avoid interference to the pumps.



TECHNICAL FEATURES

	Threaded connections	Flanged connections
Body:	painted steel	painted steel
Main connections:	female unions	flanged
Drain cock connection:	1/2"	1"
Air vent valve connection:	1/2"	1/2"
Front connection:	1/2"	1/2"
Max. pressure:	8 bar	10 bar
Max. temperature:	110°C	100°C
Max. temperature with insulation:	100°C	100°C
Compatible fluids:	water with and without glycol	water with and without glycol
Sizes:	1"-1 1/4"-1 1/2"-2"	DN50-DN65-DN80-DN100

MAX. RECOMMENDED FLOWS

Size	Flow - m ³ /h
1"	2,1
1 1/4"	3,5
1 1/2"	5,4
2"	6,5
DN50	10
DN65	18
DN80	30
DN100	55

Hydraulic separator complete with automatic air vent valve with non-return valve and drain cock.

- 1/2" frontal connection for installation of temperature or pressure gauge
- Painted steel body
- Installation: vertical
- Pmax=8bar
- Tmax=110°C



ART. 2159

Code	size	connections	€	box	pack
2159 1	1"	1"1/2	198,02	1	1
2159 114	1"1/4	2"	235,70	1	1
2159 112	1"1/2	2"1/4	265,00	1	1
2159 2	2"	2"1/4	320,26	1	1

Hydraulic separator complete with female unions, automatic air vent valve with non-return valve and drain cock.

- 1/2" frontal connection for installation of temperature or pressure gauge
- Painted steel body
- Installation: vertical
- Pmax=8bar
- Tmax=110°C



ART. 2160

Code	size	€	box	pack
2160 1	1"	234,11	1	1
2160 114	1"1/4	305,11	1	1
2160 112	1"1/2	351,25	1	1
2160 2	2"	441,48	1	1

Hydraulic separator complete with female unions, automatic air vent valve with non-return valve and drain cock.

- 1/2" frontal connection for installation of temperature or pressure gauge
- Painted steel body
- Installation: vertical
- Pmax=8bar
- Tmax=100°C
- Supplied with PPE pre-formed anti-condensation insulation



ART. 2161

Code	size	€	box	pack
2161 1	1"	260,21	1	1
2161 114	1"1/4	330,79	1	1
2161 112	1"1/2	379,49	1	1
2161 2	2"	488,68	1	1

PPE pre-formed anti-condensation insulation for hydraulic separator.



ART. 2165

Code	size	€	box	pack
2165 1	1"	26,55	1	1
2165 114	1"1/4	28,82	1	1
2165 112	1"1/2	31,75	1	1
2165 2	2"	52,49	1	1

Hydraulic separator complete with flanged connections, automatic air vent valve with shut-off valve and drain cock.

- 1/2" frontal connection for installation of temperature or pressure gauge
- Pipe flanged connections according to UNI EN 1092-1
- Painted steel body
- Installation: vertical
- Pmax=10bar
- Tmax=100°C
- Supplied with anti-condensation insulation made of thermo-formed expanded polyethylene



ART. 2164

Code	size	€	box	pack
2164 50	DN50	1.140,94	1	1
2164 65	DN65	1.185,10	1	1
2164 80	DN80	1.688,46	1	1
2164 100	DN100	1.733,57	1	1

Galvanized bracket for hydraulic separator.



ART. 2162

Code	size	€	box	pack
2162 1	1"	8,87	1	-
2162 114	1"1/4	9,02	1	-
2162 112	1"1/2	10,37	1	-
2162 2	2"	11,40	1	-

Chrome-plated connection kit for hydraulic separator complete with nut and gasket.

- connection: 1" - 1"1/4 - 1"1/2 - 2" female



ART. 8346

Code	size	€	box	pack
8346 1	1" x 1"1/2	9,07	10	-
8346 114	1"1/4 x 2"	17,44	10	-
8346 112	1"1/2 x 2"1/4	21,66	5	-
8346 2	2" x 2"1/4	30,45	5	-

DIRT SEPARATORS

The FAR dirt separator is installed in cooling and heating systems to filter out any impurities in the water supply. Any impurities (such as rust or welding debris) drop down into an appropriate seating where, once settled, they can no longer return to the system.

WITHOUT MAGNETIC INSERTS

WITH MAGNETIC INSERTS

As illustrated, the use of vertical bars aligned to the direction of the fluid maximizes the surface area for contact with particles of dirt suspended in the fluid, while wings create turbulence to slow the flow rate and facilitate separation of impurities. The dirt separator with magnetic inserts allows the separator to catch iron particles in older systems or in systems with high dirt concentration.

The swiveling dirt separator can be installed on the pipeline in either vertical or horizontal position, as the part with threaded connections can rotate 360° around its own axis

CORRECT INSTALLATION IN TRADITIONAL SYSTEMS

CORRECT INSTALLATION IN SYSTEMS WITH MIXING VALVES

Dirt separator for heating systems.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**



COMPLETE WITH INSULATION

ART. 2200

Code	size	Kv [m ³ /h]	€	box	pack
2200 34	3/4"	13,2	67,81	1	6
2200 1	1"	17,9	70,77	1	6
2200 114	1"1/4	32,4	76,17	1	6
2200 112	1"1/2	40,6	79,48	1	6
2200 2	2"	73,1	91,47	1	6

ART. 2201

Code	size	Kv [m ³ /h]	€	box	pack
2201 34	3/4"	13,2	83,99	1	6
2201 1	1"	17,9	87,56	1	6
2201 114	1"1/4	32,4	92,04	1	6
2201 112	1"1/2	40,6	95,69	1	6
2201 2	2"	73,1	109,23	1	6

Dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic inserts**
- **Patented**



COMPLETE WITH INSULATION

ART. 2205

Code	size	Kv [m ³ /h]	€	box	pack
2205 34	3/4"	13,2	107,47	1	6
2205 1	1"	17,9	111,95	1	6
2205 114	1"1/4	32,4	115,06	1	6
2205 112	1"1/2	40,6	119,22	1	6
2205 2	2"	73,1	135,04	1	6

ART. 2206

Code	size	Kv [m ³ /h]	€	box	pack
2206 34	3/4"	13,2	123,18	1	6
2206 1	1"	17,9	128,71	1	6
2206 114	1"1/4	32,4	130,90	1	6
2206 112	1"1/2	40,6	135,40	1	6
2206 2	2"	73,1	152,78	1	6

Swiveling dirt separator for heating systems.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**



COMPLETE WITH INSULATION

ART. 2207

Code	size	Kv [m ³ /h]	€	box	pack
2207 34	3/4"	10,2	113,77	1	6
2207 1	1"	11,2	118,52	1	6
2207 114	1"1/4	13,9	129,48	1	6

ART. 2208

Code	size	Kv [m ³ /h]	€	box	pack
2208 34	3/4"	10,2	162,61	1	6
2208 1	1"	11,2	167,16	1	6
2208 114	1"1/4	13,9	194,32	1	6

Swiveling dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic inserts**
- **Patented**


COMPLETE WITH INSULATION
ART. 2212

Code	size	Kv [m ³ /h]	€	box	pack
2212 34	3/4"	10,2	158,36	1	6
2212 1	1"	11,2	163,12	1	6
2212 114	1"1/4	13,9	173,64	1	6

ART. 2213

Code	size	Kv [m ³ /h]	€	box	pack
2213 34	3/4"	10,2	189,96	1	6
2213 1	1"	11,2	194,51	1	6
2213 114	1"1/4	13,9	213,18	1	6

Dirt separator for heating systems with flanged connections.

- Painted steel body
- Flanged connections: UNI EN 1092-1
- 1/2" upper connection with plug
- 1" F drain valve for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 100°C
- Supplied with PE pre-formed anti-condensation insulation

Dirt separator for heating systems with flanged connections.

- Painted steel body
- Flanged connections: UNI EN 1092-1
- 1/2" upper connection with plug
- 1" F drain valve for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 100°C
- **Removable magnetic inserts**
- Supplied with PE pre-formed anti-condensation insulation shell


ART. 2236

Code	size	€	box	pack
2236 50	DN50	806,86	1	1
2236 65	DN65	868,71	1	1
2236 80	DN80	1.254,44	1	1
2236 100	DN100	1.433,43	1	1

ART. 2241

Code	size	€	box	pack
2241 50	DN50	1.125,05	1	1
2241 65	DN65	1.186,89	1	1
2241 80	DN80	1.572,63	1	1
2241 100	DN100	1.751,61	1	1

SMART - Chrome-plated swiveling dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- **3/4" shut-off ball valves**
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic inserts**
- **Patented**


ART. 2271


Code	size	Kv [m ³ /h]	€	box	pack
2271 34	3/4"	6,8	145,54	1	15

SMART - Chrome-plated swiveling dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic inserts**
- **Patented**


ART. 2272

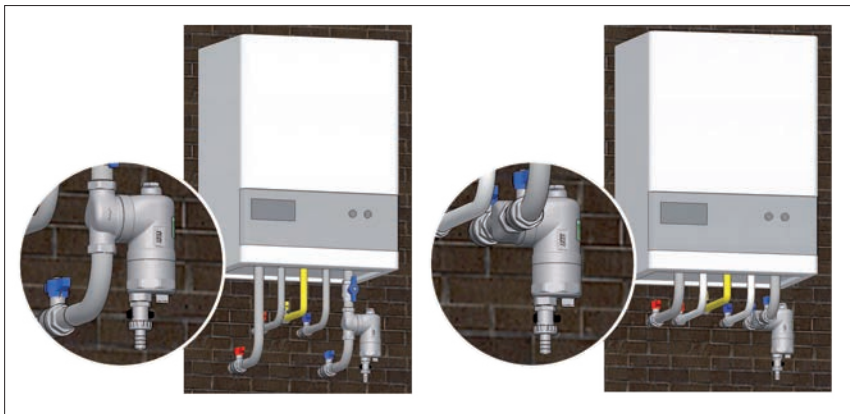
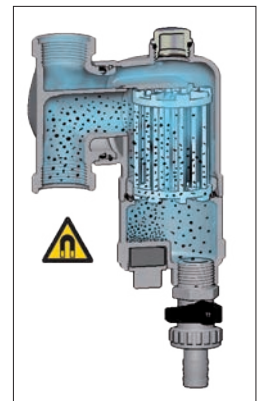

Code	size	Kv [m ³ /h]	€	box	pack
2272 34	3/4"	6,8	110,53	1	15
2272 1	1"	7,5	117,27	1	15

SMART DIRT SEPARATOR

The SMART dirt separator, installed in cooling and heating systems, is designed to filter out any impurities in the water supply, thus improving heat exchange and ensuring good thermal fluid circulation.

The dirt separator features a special compact shape that makes it smaller than most dirt separators on the market, facilitating installation under boilers in domestic systems.

The magnet inserted in the lower section of the dirt separator makes it ideal for systems with a high concentration of ferrous particles, deposits or debris caused by corrosion.



The dirt separator should be placed on the return line before the boiler, in such a way as to catch all the impurities that might damage the boiler and pumps. It is recommended that the dirt separator is installed between two isolating valves for maintenance.

The SMART swiveling dirt separator can be installed on the pipeline in either vertical or horizontal position, as the part with threaded connections can rotate through 360° around its own axis.



COMPACTFAR – Ultra compact dirt separator **with angled connections** for heating systems complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: CHROME-PLATED
- Pipe connections: F-F
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- Connections: ¾" F-F
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**
- **Registered Community Design**


ART. 2273 CompactFAR

Code	size	Kv [m ³ /h]	€	box	pack
2273 34	¾"	6,35	83,04	1	24

COMPACTFAR – Ultra compact dirt separator **with angled connections** for heating systems complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: CHROME-PLATED
- Pipe connections: M-F
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- **Connection: ¾" F-F**
- **¾" Shut-off ball valve**
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**
- **Registered Community Design**


ART. 2274 CompactFAR

Code	size	Kv [m ³ /h]	€	box	pack
2274 34	¾"	6,35	95,80	1	24

COMPACTFAR – Ultra compact dirt separator **with angled connections** for heating systems complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: WHITE/CHROME-PLATED
- Pipe connections: F-F
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- Connections: ¾" F-F
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**
- **Registered Community Design**


ART. 2275 CompactFAR

Code	size	Kv [m ³ /h]	€	box	pack
2275 34	¾"	6,35	86,72	1	24

COMPACTFAR - Ultra compact dirt separator **with straight connections** for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: CHROME-PLATED
- Pipe connections: 3/4" M-M with plastic insert for flat face / Eurokonus
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- **Nr. 2 sealing compression kit for copper pipe Ø 18 mm for 3/4" Eurokonus connection**
- **Ø 18 mm connection kit**
 - copper pipe 100 mm long
 - 3/4" nut
 - EPDM washer for flat face
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**



ART. 2278 **CompactFAR**

Code	size	Kv [m ³ /h]	€	box	pack
2278 34	3/4"	5,86	86,72	1	24

COMPACTFAR - Ultra compact dirt separator **with straight connections** for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: CHROME-PLATED
- Pipe connections: 3/4" M-M with plastic insert for flat face / Eurokonus
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- **Nr. 2 sealing compression kit for copper pipe Ø 18 mm for 3/4" Eurokonus connection**
- **Ø 18 mm connection kit**
 - copper pipe 100 mm long
 - 3/4" nut
 - EPDM washer for flat face
- **3/4" Shut-off ball valve**
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**



ART. 2277 **CompactFAR**

Code	size	Kv [m ³ /h]	€	box	pack
2277 34	3/4"	5,86	100,52	1	24

COMPACTFAR - Ultra compact dirt separator **with straight connections** for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: WHITE-CHROME
- Pipe connections: 3/4" M-M with plastic insert for flat face / Eurokonus
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- **Nr. 2 sealing compression kit for copper pipe Ø 18 mm for 3/4" Eurokonus connection**
- **Ø 18 mm connection kit**
 - copper pipe 100 mm long
 - 3/4" nut
 - Flat faced gasket in EPDM
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**



ART. 2279 **CompactFAR**

Code	size	Kv [m ³ /h]	€	box	pack
2279 34	3/4"	5,86	90,40	1	24

FUNCTION AND INSTALLATION EXAMPLES

The COMPACTFAR dirt separator is designed to filter the water in heating systems to remove impurities which could cause damage or boiler malfunction.

TECHNICAL FEATURES

Body: CB753S brass
Drain cock: CW617N brass
Max. working temperature: 110°C

Nominal pressure: 10 bar
Cartridge: PA6
O-ring: EPDM
Max. fluid speed: 1.4 m/s

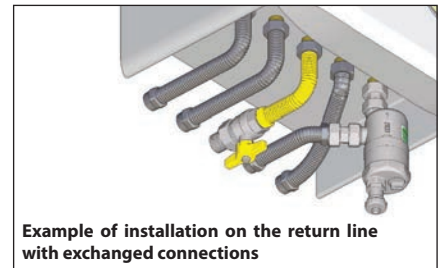
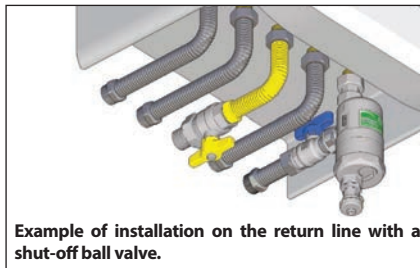
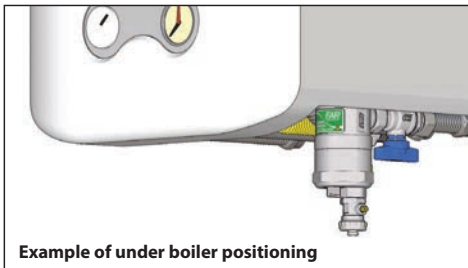
⚠️ WARNING: due to the use of magnetic components, we advise pacemaker wearers to distance themselves during working and maintenance. Please also avoid use of electronic equipment near the magnets in order to avoid any malfunctioning.

INSTALLATION

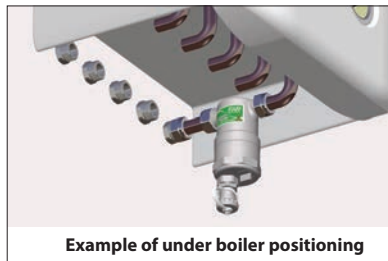
The dirt separator should be placed on the return line before the boiler, in order to catch all the impurities that might damage the boiler and the pumps.

⚠️ Warning! The dirt separator must always be installed in a vertical position for correct operation

COMPACTFAR with angled connection



COMPACTFAR with straight line connections



The dirt separator connection can be changed from flat face to 3/4" Eurokonus, by keeping or removing the white reinforced polyamide adapters fitted on the connections

The dirt separator can be connected to the wall in case of a 3/4" Male flat face connection (A) or in case of a Eurokonus connection (B)



A - 3/4" Flat face wall connection



B - 3/4" Eurokonus wall connection

Chrome-plated eccentric connection with swiveling nuts.

- Connections: 3/4" Female-Female

**ART. 5565**

Code	centre l.	size	€	box
5565 234	cm. 2	3/4"x3/4"	9,37	1

Chrome-plated adapter kit for copper pipe.

- Connections: 3/4" x 18

**ART. 5807**

Code	size	€	box
5807 34G18	3/4" - Ø18	5,60	1

Chrome-plated connection fitting with swiveling nut.

- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N forged brass

**ART. 8323**

Code	F nut	M conn.	€	box
8323 34	3/4"	3/4"	5,83	1

Chrome-plated F-F shut-off ball valve with swiveling nuts.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16 bar
- Connections: Female-Female

**ART. 3037C**

Code	Ø nuts	handle	€	box	pack
3037 12BC	3/4"	blue	15,60	5	50

Chrome-plated F-F shut-off ball valve with swiveling nut.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16 bar
- Connections: Female-Female

**ART. 3047C**

Code	size	Ø nut	handle	€	box	pack
3047 12BC	1/2"	3/4"	blue	14,97	5	50
3047 3434BC	3/4"	3/4"	blue	15,34	5	50

Chrome-plated connection fitting with swiveling nut.

- Body made of brass CW617N
- Connections: Female-Female
- Flat faced gasket in EPDM

**ART. 5304**

Code	size	€	box
5304 3434	3/4"	8,12	25

Chrome-plated connection fitting with swiveling nut.

- Body made of brass CW617N
- Connections: Male-Female
- Flat faced gasket in EPDM

**ART. 5254**

Code	size	€	box
5254 3434	3/4"	6,62	25

Chrome-plated extensible connection.

- Body made of brass CW614N
- Swiveling nuts made of brass CW617N
- Double sealing O-ring and EPDM washers

**ART. 8882**

Code	extension	size	€	box	pack
8882 1534	35-50 mm	3/4"	13,97	5	-
8882 151	35-50 mm	1"	17,01	5	-

The extensible connection is made of two swiveling nuts and a brass body which can extend up to 15 mm in order to fill the missing gap during the installation.



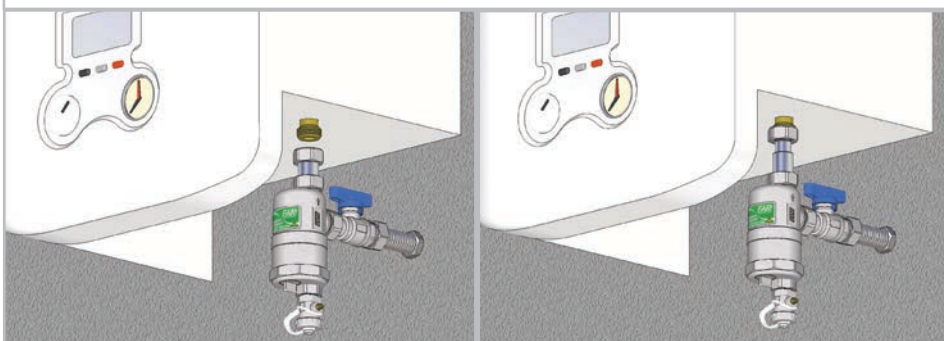
MINIMUM LENGTH 35mm



MAXIMUM LENGTH 50mm

FUNCTION AND INSTALLATION EXAMPLES

In the pictures here below you can see an example of the COMPACTFAR dirt separator installation, using the extensible connection art.8882 1534.



Installation overview of art.5304 on COMPACTFAR dirt separator, placed under boiler.



Dirt separator for heating systems.

- Body made of CB753S brass
- **Copper pipe connections**
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- Patented


ART. 2203


COMPLETE WITH INSULATION

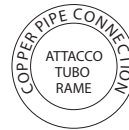
ART. 2204

Code	size	Kv [m³/h]	€	box	pack
2203 3422	Ø22	11,1	71,31	1	6
2203 128	Ø28	19,1	72,61	1	6

Code	size	Kv [m³/h]	€	box	pack
2204 3422	Ø22	11,1	87,49	1	6
2204 128	Ø28	19,1	88,79	1	6

Dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- **Copper pipe connections**
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- Removable magnetic inserts
- Patented


ART. 2214


COMPLETE WITH INSULATION

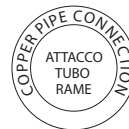
ART. 2215

Code	size	Kv [m³/h]	€	box	pack
2214 3422	Ø22	11,1	110,97	1	6
2214 128	Ø28	19,1	112,27	1	6

Code	size	Kv [m³/h]	€	box	pack
2215 3422	Ø22	11,1	126,68	1	6
2215 128	Ø28	19,1	127,98	1	6

Swiveling dirt separator for heating systems.

- Body made of CB753S brass
- **Copper pipe connections**
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- Patented


ART. 2210


COMPLETE WITH INSULATION

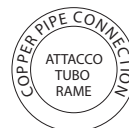
ART. 2211

Code	size	Kv [m³/h]	€	box	pack
2210 3422	Ø22	8,7	117,27	1	6
2210 128	Ø28	10,7	118,57	1	6

Code	size	Kv [m³/h]	€	box	pack
2211 3422	Ø22	8,7	166,11	1	6
2211 128	Ø28	10,7	167,41	1	6

Swiveling dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- **Copper pipe connections**
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- Removable magnetic inserts
- Patented


ART. 2216


COMPLETE WITH INSULATION

ART. 2217

Code	size	Kv [m³/h]	€	box	pack
2216 3422	Ø22	8,7	161,86	1	6
2216 128	Ø28	10,7	163,16	1	6

Code	size	Kv [m³/h]	€	box	pack
2217 3422	Ø22	8,7	193,46	1	6
2217 128	Ø28	10,7	194,76	1	6

DEAERATORS

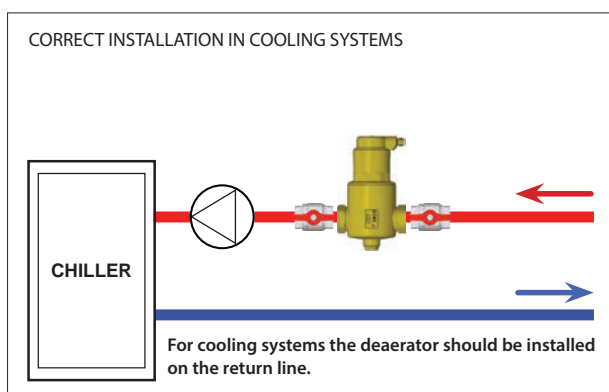
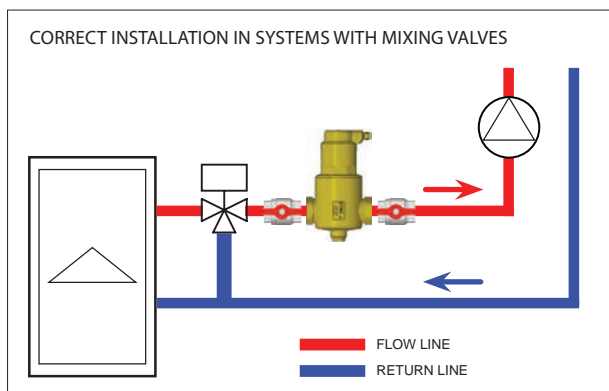
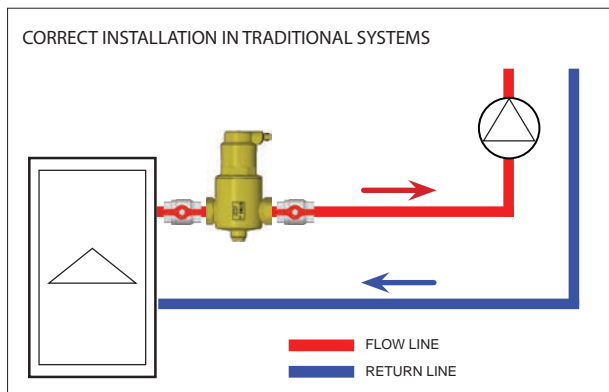
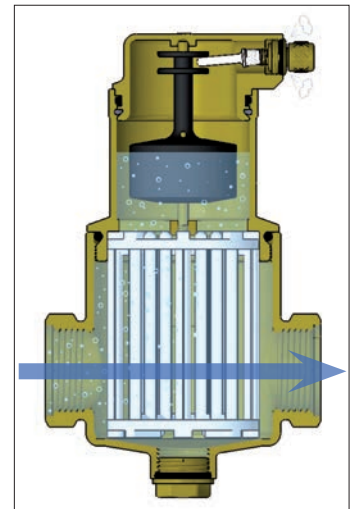
The FAR deaerator is installed in cooling and heating systems to remove air bubbles from the circulating water.

Air inside the system can cause corrosion in the interior of the pipe and damage to installed components (such as pumps), leading to malfunctions, loss of heat exchange efficiency and noise in the system.

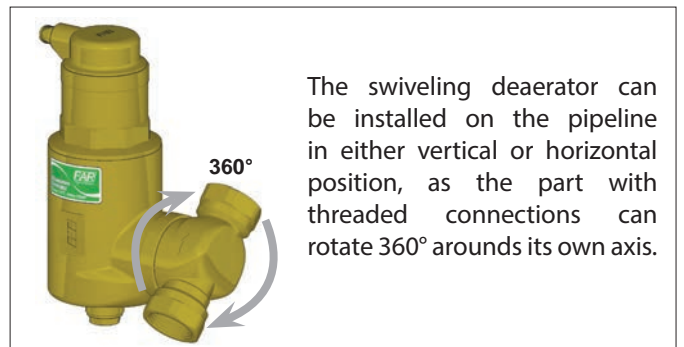
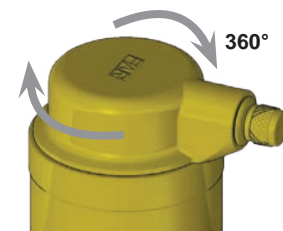
The structure of the filter cartridge slows the air bubbles and causes a decrease in their kinetic energy so that the air rises to the top. To further divert the flow, vertical bars on the cartridge have wings that help to drive air bubbles upwards.

The ideal deaerator position in the heating system is on the supply pipe just after the boiler, where the flow temperature is high.

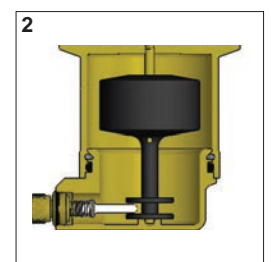
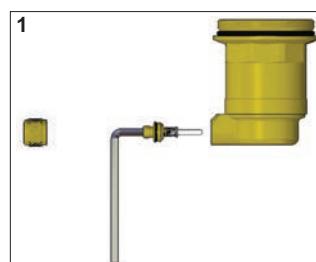
This is because, as the water is heated in the boiler there is a possibility of bubbles being formed, causing damage to components or malfunctioning. It is recommended that the deaerator is installed between two shut-off valves to allow for maintenance.



It is possible to rotate the air vent valve through 360° to position the drain appropriately, without needing to shut down the system.



In the event of leakage from the air vent valve it is necessary to clean or replace it as follows. Remove the cap and use a 4 mm Allen wrench to unscrew the air vent valve. Then proceed with cleaning or replacement (picture 1). For correct insertion of the stem on the float, turn upside down the cap and screw the air-vent valve (picture 2)



Deaerator for heating systems.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**


ART. 2250

Code	size	Kv [m³/h]	€	box	pack
2250 34	3/4"	13,2	97,59	1	6
2250 1	1"	17,9	102,76	1	6
2250 114	1"1/4	32,4	114,00	1	6
2250 112	1"1/2	40,6	125,99	1	6
2250 2	2"	73,1	139,24	1	6



COMPLETE WITH INSULATION

ART. 2251

Code	size	Kv [m³/h]	€	box	pack
2251 34	3/4"	13,2	116,61	1	6
2251 1	1"	17,9	122,76	1	6
2251 114	1"1/4	32,4	134,07	1	6
2251 112	1"1/2	40,6	147,80	1	6
2251 2	2"	73,1	162,34	1	6

Swiveling deaerator for heating systems.

- Body made of CB753S brass
- Connection to pipelines: F-F
- 1/2" bottom connection with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**


ART. 2253

Code	size	Kv [m³/h]	€	box	pack
2253 34	3/4"	10,2	154,25	1	6
2253 1	1"	12	161,79	1	6
2253 114	1"1/4	13,9	175,80	1	6



COMPLETE WITH INSULATION


ART. 2263

Code	size	Kv [m³/h]	€	box	pack
2263 34	3/4"	10,2	190,10	1	6
2263 1	1"	12	198,10	1	6
2263 114	1"1/4	13,9	205,64	1	6

DISMART - Swiveling deaerator for heating systems.

- Body made of CB753S brass
- Connection to pipelines: F-F
- 1/2" bottom connection with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**



D:Smart


ART. 2254

Code	size	Kv [m³/h]	€	box	pack
2254 34	3/4"	6,8	105,70	1	15
2254 1	1"	7,5	113,40	1	15

Deaerator for heating systems with flanged connections.

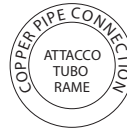
- Painted steel body
- Flanged connections: UNI EN 1092-1
- 1/2" bottom connection with plug
- 1" additional top connection with plug
- Swiveling air vent valve with shut-off valve
- Manual air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 100°C
- Supplied with PE pre-formed anti-condensation insulation


ART. 2258

Code	size	€	box	pack
2258 50	DN50	932,69	1	1
2258 65	DN65	995,75	1	1
2258 80	DN80	1.374,24	1	1
2258 100	DN100	1.681,55	1	1

Deaerator for heating systems.

- Body made of CB753S brass
- **Copper pipe connections**
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**



COMPLETE WITH INSULATION



ART. 2255

Code	size	Kv [m ³ /h]	€	box	pack
2255 3422	Ø22	11,1	101,09	1	6
2255 128	Ø28	19,1	102,39	1	6

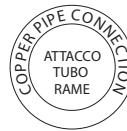


ART. 2256

Code	size	Kv [m ³ /h]	€	box	pack
2256 3422	Ø22	11,1	120,11	1	6
2256 128	Ø28	19,1	121,41	1	6

Swiveling deaerator for heating systems.

- Body made of CB753S brass
- **Copper pipe connections**
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**



COMPLETE WITH INSULATION



ART. 2257

Code	size	Kv [m ³ /h]	€	box	pack
2257 3422	Ø22	8,7	157,75	1	6
2257 128	Ø28	10,7	159,05	1	6

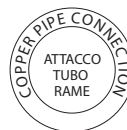


ART. 2267

Code	size	Kv [m ³ /h]	€	box	pack
2267 3422	Ø22	8,7	195,85	1	6
2267 128	Ø28	10,7	198,13	1	6

DISMART - Swiveling deaerator for heating systems.

- Body made of CB753S brass
- **Copper pipe connections**
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**



D:Smart

ART. 2259

Code	size	Kv [m ³ /h]	€	box	pack
2259 3422	Ø22	6,3	109,20	1	15
2259 128	Ø28	7,5	110,50	1	15



COMBIFAR - Dirt separator-Deaerator for heating systems.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Patented**


ART. 2220

Code	size	Kv [m³/h]	€	box	pack
2220 34	3/4"	13,2	125,69	1	5
2220 1	1"	17,9	134,79	1	5

COMBIFAR - Swiveling dirt separator-deaerator for heating systems.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Patented**


ART. 2229

Code	size	Kv [m³/h]	€	box	pack
2229 34	3/4"	10	185,38	1	5
2229 1	1"	10,7	192,94	1	5
2229 114	1 1/4"	13,4	197,80	1	5

COMBIFAR - Dirt separator-Deaerator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Nominal pressure: 10 bar
- Max. draining pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Removable magnetic inserts**
- **Patented**


ART. 2225

Code	size	Kv [m³/h]	€	box	pack
2225 34	3/4"	13,2	174,79	1	5
2225 1	1"	17,9	184,18	1	5

COMBIFAR - Dirt separator-Deaerator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Removable magnetic inserts**
- **Patented**


ART. 2231

Code	size	Kv [m³/h]	€	box	pack
2231 34	3/4"	10	219,04	1	5
2231 1	1"	10,7	226,58	1	5
2231 114	1 1/4"	13,4	237,66	1	5

COMBIFAR - Dirt separator-Deaerator for heating systems.

- Body made of CB753S brass
- **Copper pipe connections**
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Patented**

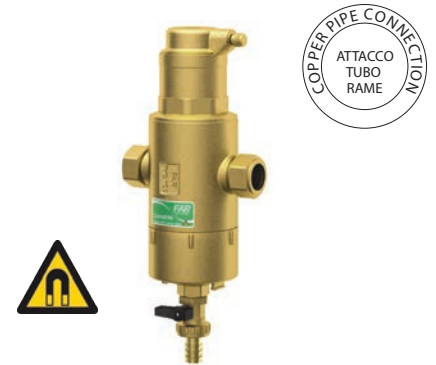


ART. 2222

Code	size	Kv [m ³ /h]	€	box	pack
2222 3422	Ø22	11,1	129,19	1	5
2222 128	Ø28	19,1	130,49	1	5

COMBIFAR - Dirt separator-Deaerator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- **Copper pipe connections**
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Removable magnetic inserts**
- **Patented**



ART. 2227

Code	size	Kv [m ³ /h]	€	box	pack
2227 3422	Ø22	11,1	178,29	1	5
2227 128	Ø28	19,1	179,59	1	5

COMBIFAR - Swiveling dirt separator-deaerator for heating systems.

- Body made of CB753S brass
- **Copper pipe connections**
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Patented**



ART. 2233

Code	size	Kv [m ³ /h]	€	box	pack
2233 3422	Ø22	8,7	188,88	1	5
2233 128	Ø28	11,5	190,18	1	5

COMBIFAR - Dirt separator-Deaerator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- **Copper pipe connections**
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Removable magnetic inserts**
- **Patented**



ART. 2235

Code	size	Kv [m ³ /h]	€	box	pack
2235 3422	Ø22	8,7	222,54	1	5
2235 128	Ø28	11,5	223,84	1	5

Acid condensate neutralizer for condensing boilers complete with:

- n° 1 elbow with 3/4" nut and hose union connection
- n° 1 straight fitting with 3/4" nut and hose union connection
- n° 1 granular recharge
- n° 1 support for wall fixing



ART. 2400

Code	Ø pipe	€	box	pack
2400 3416	16	45,98	1	16
2400 3420	20	46,20	1	16

Fittings for acid condensate neutralizer.



ART. 2401

Code	Ø pipe	€	box	pack
2401 3416	16	8,72	1	-
2401 3420	20	8,95	1	-

Granular recharge for acid condensate neutralizer.

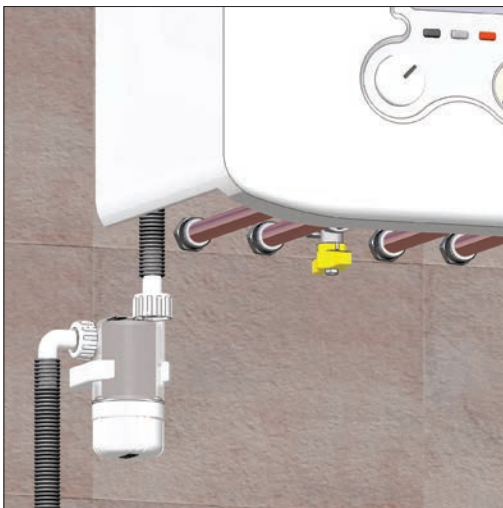
- Pack of 150 g
- Calcium carbonate with additives



ART. 9454

Code	€	box
9454 150	3,67	1

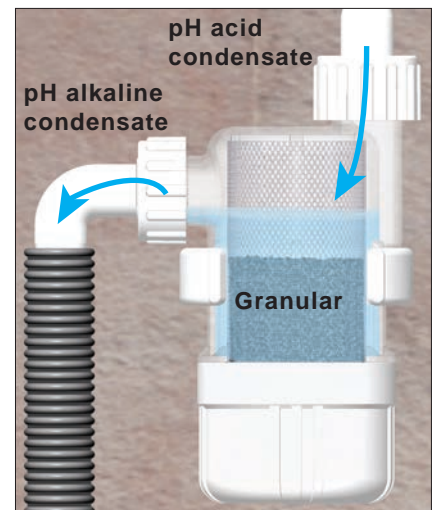
OPERATION AND INSTALLATION EXAMPLES



The acid condensate neutralizer is a device that, when installed on the drain pipe of condensing boiler, regulates the water pH making it alkaline.

This allows to preserve the pipes and the drain gutters that over time would be corroded by the acidity of the condensate.

It is recommended to replace annually the granular which corrects the pH to guarantee always effective protection.



Angled By-pass differential valve.

- Body made of CW617N brass
- Connections: 3/4" M-F
- Calibration: 0,1 – 0,6 bar
- Protection and regulation cap



ART. 2020

Code	size	€	box	pack
2020 34	3/4"	43,20	1	50

Straight By-pass differential valve.

- Body made of CW617N brass
- Connections: 3/4" M-F
- Calibration: 0,1 – 0,6 bar
- Protection and regulation cap



ART. 2021

Code	size	€	box	pack
2021 34	3/4"	50,40	1	50

Male-female cock complete with stuffing box and flange for pressure gauge installation.

- Body made of CW617N brass
- Plastic handle

ART. 2560

Code	size	€	box	pack
2560 14	1/4"	16,99	10	100
2560 38	3/8"	17,97	10	100
2560 12	1/2"	19,93	10	100



Male-female swiveling pipe coil for pressure gauge installation.

- Ø 8 copper pipe
- Fittings made of brass
- Sizes: 1/4"-3/8"-1/2"



ART. 2561

Code	size	€	box	pack
2561 14	1/4"	11,01	10	100
2561 38	3/8"	11,81	10	100
2561 12	1/2"	13,04	10	100

Air separator unit for boiler, brass version. Complete with:

- Body made of CB753S brass
- 0÷4 bar pressure gauge
- Automatic air vent valve
- 3 bar safety valve, conformed to PED standard
- Main connection: 1" female
- Non-return valves for air vent valve and pressure gauge

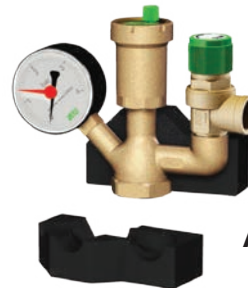


ART. 2112

Code	size	€	box	pack
2112	1"	52,10	1	10

Air separator unit for boiler, brass version. Complete with:

- Body made of CB753S brass
- 0÷4 bar pressure gauge
- Automatic air vent valve
- 3 bar safety valve, conformed to PED standard
- Main connection: 1" female
- Non-return valves for air vent valve and pressure gauge
- Insulation



ART. 2113

Code	size	€	box	pack
2113	1"	63,80	1	10

Air separator unit for boiler, brass version. Complete with:

- Body made of CB753S brass
- 0÷4 bar pressure gauge
- Automatic air vent valve
- 3 bar safety valve, conformed to PED standard
- Main connection: 1" female
- Interchangeable non-return valves for air vent valve and pressure gauge



ART. 2115

Code	size	€	box	pack
2115	1"	62,44	1	10

Air separator unit for boiler, brass version. Complete with:

- Body made of CB753S brass
- 0÷4 bar pressure gauge
- Automatic air vent valve
- 3 bar safety valve, conformed to PED standard
- Main connection: 1" female
- Interchangeable non-return valves for air vent valve and pressure gauge
- Insulation



ART. 2116

Code	size	€	box	pack
2116	1"	79,85	1	10

Ø 63 mm pressure gauge.

- 1/4" M radial or rear connection
- Protection level: IP 31
- Accuracy: Cl. 1,6
- Scale: 0÷4 bar
- Scale: 0÷6 bar
- Scale: 0÷10 bar
- Scale: 0÷25 bar



R= RADIAL	
P= REAR	

ART. 2500

Code	pressure scale	size	€	box	pack
2500 R04	0÷4 bar	1/4"	9,52	1	100
2500 R06	0÷6 bar	1/4"	9,52	1	100
2500 R10	0÷10 bar	1/4"	9,52	1	100
2500 R25	0÷25 bar	1/4"	9,52	1	100
2500 P04	0÷4 bar	1/4"	10,19	1	100
2500 P06	0÷6 bar	1/4"	10,19	1	100
2500 P10	0÷10 bar	1/4"	10,19	1	100

Ø 80 mm thermo-manometer.

- 1/4" central rear connection in brass
- Non-return valve: 1/4" female x 1/2" male
- Protection level: IP 31
- Accuracy: Cl. 1,6
- Temperature scale: 0÷120°C
- Pressure scale: 0÷4 bar
- Pressure scale: 0÷10 bar



ART. 2550

Code	temperature scale	pressure scale	€	box	pack
2550 P04	0÷120 °C	0-4 bar	25,44	1	50
2550 P10	0÷120 °C	0-10 bar	25,44	1	50

Ø 40 mm bimetallic temperature gauge.

- 3/8" male connection seat
- Temperature scale: 0÷120°C
- 36 mm sheath



ART. 2650

Code	temperature scale	size	€	box	pack
2650	0÷120 °C	3/8"	10,05	1	240

Ø 50 mm pressure gauge.

- 1/4" M radial connection
- Protection level: IP 31
- Accuracy: Cl. 1,6
- Scale: 0÷6 bar
- Scale: 0÷10 bar
- Scale: 0÷25 bar



ART. 2501

Code	pressure scale	size	€	box	pack
2501 R06	0÷6 bar	1/4"	9,52	1	100
2501 R10	0÷10 bar	1/4"	9,52	1	100
2501 R25	0÷25 bar	1/4"	9,52	1	100

Ø 80 mm bimetallic temperature gauge.

- 1/2" male connection seat
- Temperature scale: 0÷120°C
- 50 mm -100 mm sheath



ART. 2600

Code	temperature scale	sheath	size	€	box	pack
2600	0÷120 °C	50mm	1/2"	11,78	1	50
2600 100	0÷120 °C	100mm	1/2"	17,36	1	50

Ø 63 mm bimetallic temperature gauge.

- 3/8" male connection seat
- Temperature scale: -30÷50° C
- 27 mm sheath



ART. 2601

Code	temperature scale	size	€	box	pack
2601	-30÷50 °C	3/8"	11,23	1	50

Ø 40 mm bimetallic temperature gauge.

- 3/8" male connection seat
- Temperature scale: 0÷80° C
- 36 mm sheath



ART. 2651

Code	temperature scale	size	€	box	pack
2651	0÷80 °C	3/8"	10,05	1	240

Chrome-plated automatic filling unit for closed circuit systems. Equipped with a pad printed knob to set the pressure, non-return valve, stop cock and strainer on the inlet.

- Inlet connection (unit): 1/2" male
- Outlet connection: 1/2" female
- Pressure gauge connection: 1/4" female
- Max. working temperature: 95°C
- Minimum working temperature: 5°C
- Max. upstream pressure: 10 bar
- Set pressure: 0,5÷4 bar



WITH PRESSURE GAUGE CONNECTION

ART. 2105

Code	size	€	box	pack
2105 12	1/2"	43,04	1	20



WITH PRESSURE GAUGE

ART. 2106

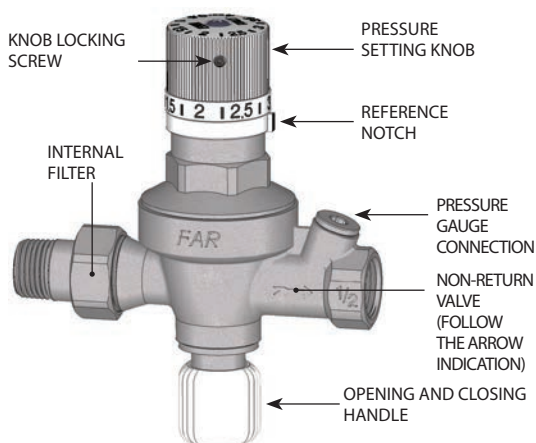
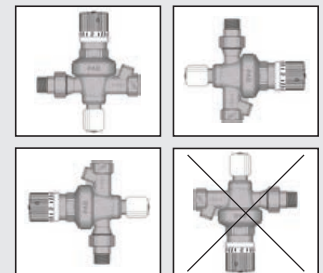
Code	size	€	box	pack
2106 12	1/2"	50,04	1	20

FUNCTION AND INSTALLATION EXAMPLES

The automatic filling unit is able to automatically fill the heating system up to the pre-set pressure. It is also useful in compensating for any pressure drops resulting from the discharge of air from the circuit through the air vent valves. The filling unit is normally installed on the feed line between two shut off valves, so that it can be removed without draining the whole system. It is advisable to install the filling unit with a bypass, in order to reduce the filling time. In this way it is possible to fill 2/3 of the system with the bypass and the rest with the filling unit in order to facilitate the eventual bleeding of air from the system.



The filling unit can be installed in a horizontal or vertical position, but not upside down.



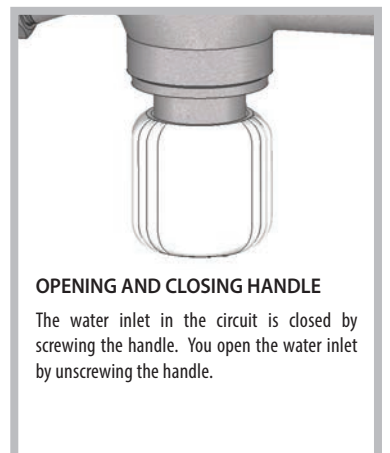
PRESSURE SETTING KNOB

The pressure values are pad printed on the knob. To set the pressure please use the reference notch indicated by the arrow.



OPENING AND CLOSING HANDLE

The water inlet in the circuit is closed by screwing the handle. You open the water inlet by unscrewing the handle.



Once the system is full and the pressure is set, please close the opening and closing handle. In case the working pressure drops, please open the handle again and the system will get automatically back to the initially set pressure.

Chrome-plated automatic filling unit without pressure gauge for closed circuit systems. Complete with non-return valve, stop cock and strainer.

- Inlet connection (union): 1/2" male
- Outlet connection: 1/2" female
- Pressure gauge connection: 1/4" female
- Max. working temperature: 95°C
- Minimum working temperature: 5°C
- Max. upstream pressure: 10 bar
- Set pressure: 0,5÷4 bar



ART. 2100

Code	size	€	box	pack
2100	1/2"	36,85	1	20

TERMOFAR - Chrome-plated thermostatic mixer.

- Setting range: 25÷65°C
- Connections: female
- Max. input temperature: 95°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3950

Code	size	€	box	pack
3950 12	1/2"	71,85	1	60
3950 34	3/4"	73,85	1	60
3950 1	1"	77,41	1	60

TERMOFAR - Chrome-plated thermostatic mixer.

- Setting range: 25÷65°C
- **Non-return valve on side connections**
- Male connections: complete with unions and gaskets
- Max. input temperature: 95°C
- TEA®PLUS surface treatment on the inside and outside



ART. 3956VR

Code	size	€	box	pack
3956 12VR	1/2"	82,21	1	50
3956 34VR	3/4"	97,34	1	50
3956 1VR	1"	104,95	1	50

Chrome-plated automatic filling unit with pressure gauge for closed circuit systems. Complete with non-return valve, stop cock and strainer.

- Inlet connection (union): 1/2" male
- Outlet connection: 1/2" female
- Pressure gauge connection: 1/4" female
- Max. working temperature: 95°C
- Minimum working temperature: 5°C
- Max. upstream pressure: 10 bar
- Set pressure: 0,5÷4 bar
- Pressure gauge scale: 0÷6 bar



ART. 2110

Code	size	€	box	pack
2110	1/2"	46,12	1	20

TERMOFAR - Chrome-plated thermostatic mixer.

- Setting range: 25÷65°C
- Connections: male, complete with unions and gaskets
- Max. input temperature: 95°C
- TEA®PLUS surface treatment on the inside and outside



ART. 3956

Code	size	€	box	pack
3956 12	1/2"	76,88	1	50
3956 34	3/4"	91,71	1	50
3956 1	1"	96,87	1	50
3956 114	1"1/4	490,62	1	-
3956 112	1"1/2	685,05	1	-

TERMOFAR - Chrome-plated thermostatic mixer.

- Setting range: 25÷65°C
- Connections: male
- Max. input temperature: 95°C
- TEA®PLUS surface treatment on the inside and outside



ART. 3957

Code	size	€	box	pack
3957 34	3/4"	71,85	1	60
3957 1	1"	73,85	1	60

Immersion regulation thermostat.

- In accordance with INAIL (ex ISPESL)
- Temperature range: 10÷90°C
- Protection level: IP40
- Sheath: 1/2" (l=100mm)

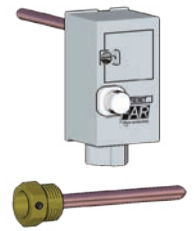


ART. 7956

Code	€	box	pack
7956	37,35	1	-

Immersion safety thermostat.

- In accordance with INAIL (ex ISPESL)
- With manual reset
- Locking temperature: 100°C (+0°C -6°C)
- Protection level: IP40
- Sheath: 1/2" (l=100mm)



ART. 7954

Code	€	box	pack
7954	50,18	1	-

Double immersion safety and regulation thermostat.

- In accordance with INAIL (ex ISPESL)
- Temperature range: 10÷90°C
- Locking temperature: 100°C (+0°C -6°C)
- With manual reset
- Protection level: IP40
- Sheath: 1/2" (l=100mm)

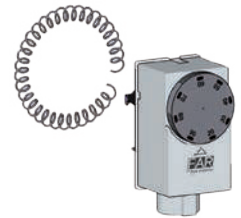


ART. 7952

Code	€	box	pack
7952	82,98	1	-

Safety thermostat with contact probe.

- control temperature range: 20÷90°C
- Protection level: IP40



ART. 7951

Code	€	box	pack
7951	28,28	1	-

MAXIMUM pressure safety switch, with manual reset.

- In accordance with INAIL (ex ISPESL)
- In accordance with PED
- Preset: 3 bar
- Max. media temperature: 110°C
- Max. room temperature: 55°C
- Nominal power: 16A (10A)
- Nominal voltage: 250V
- Protection level: IP44
- Connection: 1/4" Female

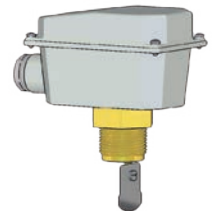


ART. 7960

Code	setting range	€	box	pack
7960	2-4,5 bar	31,19	1	20

Flow switch.

- For pipeline from 1" to 8"
- Working temperature: -20÷100°C
- Max. pressure: 10bar
- Protection level: IP65
- Connection: 1" M



ART. 7955

Code	€	box	pack
7955	137,49	1	-

MINIMUM pressure safety switch, with manual reset.

- In accordance with INAIL (ex ISPESL)
- In accordance with PED
- Preset: 0,9 bar
- Max. media temperature: 110°C
- Max. room temperature: 55°C
- Nominal power: 16A (10A)
- Nominal voltage: 250V
- Protection level: IP44
- Connection: 1/4" Female



ART. 7961

Code	setting range	€	box	pack
7961	0,5-1,7 bar	39,45	1	20

Pressure switch for BOOSTING SETS.

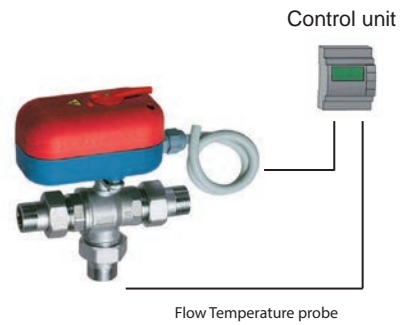
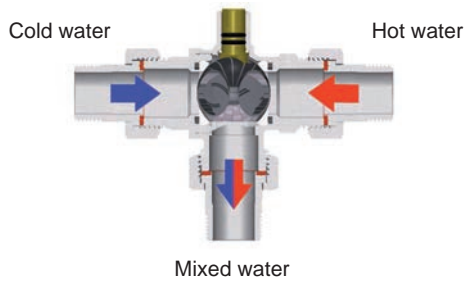
- Max. media temperature: 110°C
- Max. room temperature: 55°C
- Wiring: Triple-phase and Single-phase
- Nominal power: 16A (10A)
- Nominal voltage: 500V
- Protection level: IP44
- Connection: 1/4" swiveling female



ART. 7962

Code	setting range	€	box	pack
7962 01	1-5 bar	24,66	1	20
7962 02	3-12 bar	25,92	1	20

The 3-way mixing valve is a ball valve with full bore flow. They are available in M-M, M-F and F-F versions in 1/2", 3/4", 1", 1 1/4 sizes.



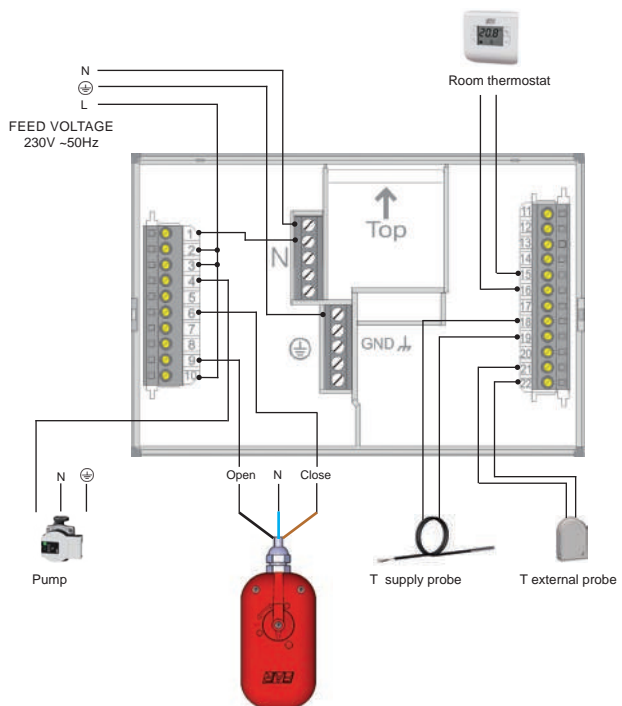
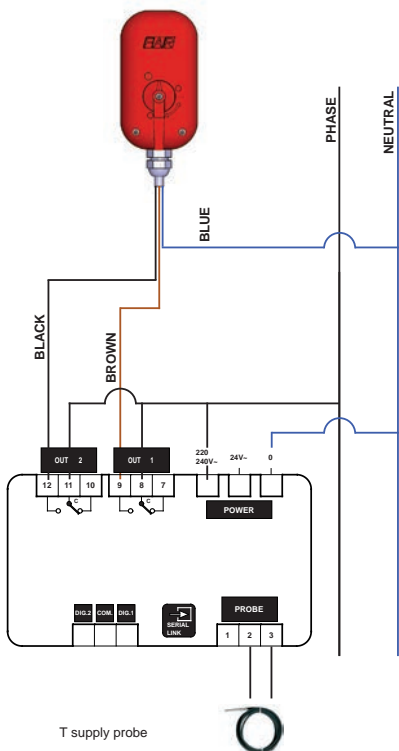
In order to maintain the mixed water at the desired temperature, a control unit - properly connected to an actuator - adjusts the position of the ball via a signal from a temperature probe located at the valve outlet.

When using the modulating mixing valve it is necessary to include the control unit:

- **Set point functioning** **Art. 9612 - Complete with control unit and delivery probe.**
- **Temperature control** **Art. 9611 - Complete with control unit, delivery probe and external probe.**

Description and wiring scheme with control unit, art. 9612:
The scheme shows an example of control unit connection, Art.9612, (with supply probe) with the mixing valve installed with cold water on the left and hot water on the right. In the opposite situation, just reverse the black and brown cables.

Description and wiring scheme with control unit, art. 9611:
The scheme shows an example of control unit connection, Art.9611, (with supply probe and external probe) with the mixing valve installed with hot water on the left and cold water on the right. In the opposite situation, just reverse the black and brown cable.



ART. 3010 - 3011

Description and wiring scheme

COLOUR	WIRING	DESCRIPTION
BLUE	NEUTRAL	CONNECTION TO THE NEUTRAL
BROWN	PHASE - CLOSE	VALVE CLOSING
BLACK	PHASE - OPEN	VALVE OPENING

Technical features

Actuator type:	3-point
Feed voltage:	24V - 230V 50Hz
Torque:	10Nm
Rotation angle:	90°
Protection level:	IP54
Rotation time:	180 s

SMALL - 3-point actuator with manual release and auxiliary microswitch for mixing zone control ball valves.

- External connection cable length: 1 m.
- Feed voltage: 230 V 50 Hz
- Rotation angle: 90°
- Rotation time: 180 seconds
- Protection level: IP54
- Torque: 10Nm



SMALL - 3-point actuator with manual release and auxiliary microswitch for mixing zone control ball valves.

- External connection cable length: 1 m.
- Feed voltage: 24 V 50 Hz
- Rotation angle: 90°
- Rotation time: 180 seconds
- Protection level: IP54
- Torque: 10Nm

ART. 3010

Code	voltage	opening time	€	box	pack
3010 40	230 V	180 s	159,78	1	30

Chrome-plated 3-way mixing zone control ball valve equipped with unions, nuts and 3-point 230 V actuator.

- Connections: male-male
- Full bore flow



ART. 3011

Code	voltage	opening time	€	box	pack
3011 40	24 V	180 s	159,78	1	30

Chrome-plated 3-way mixing zone control ball valve equipped with unions, nuts and 3-point 24 V actuator.

- Connections: male-male
- Full bore flow

ART. 301020

Code	size	opening time	€	box	pack
301020 1240	1/2"	180 s	181,78	1	12
301020 3440	3/4"	180 s	190,38	1	12
301020 140	1"	180 s	202,48	1	12
301020 11440	1"1/4	180 s	219,01	1	12

Chrome-plated 3-way mixing zone control ball valve equipped with 3-point 230 V actuator.

- Connections: female-female
- Full bore flow



ART. 301120

Code	size	opening time	€	box	pack
301120 1240	1/2"	180 s	181,78	1	12
301120 3440	3/4"	180 s	190,38	1	12
301120 140	1"	180 s	202,48	1	12
301120 11440	1"1/4	180 s	219,01	1	12

Chrome-plated 3-way mixing zone control ball valve equipped with 3-point 24 V actuator.

- Connections: female-female
- Full bore flow

ART. 301021

Code	size	opening time	€	box	pack
301021 1240	1/2"	180 s	177,29	1	12
301021 3440	3/4"	180 s	182,65	1	12
301021 140	1"	180 s	191,81	1	12

Chrome-plated 3-way mixing zone control ball valve equipped with 3-point 230 V actuator.

- Connections: male-female
- Full bore flow



ART. 301121

Code	size	opening time	€	box	pack
301121 1240	1/2"	180 s	177,29	1	12
301121 3440	3/4"	180 s	182,65	1	12
301121 140	1"	180 s	191,81	1	12

Chrome-plated 3-way mixing zone control ball valve equipped with 3-point 24 V actuator.

- Connections: male-female
- Full bore flow

ART. 301022

Code	size	opening time	€	box	pack
301022 1240	1/2"	180 s	179,47	1	12
301022 3440	3/4"	180 s	186,11	1	12
301022 140	1"	180 s	197,14	1	12
301022 11440	1"1/4	180 s	213,95	1	12



ART. 301122

Code	size	opening time	€	box	pack
301122 1240	1/2"	180 s	179,47	1	12
301122 3440	3/4"	180 s	186,11	1	12
301122 140	1"	180 s	197,14	1	12
301122 11440	1"1/4	180 s	213,95	1	12

SMALL - Electric modulating actuator with manual release for ball mixing valve.

- External connection cable length: 1 m
- Feed voltage: 24V 50Hz
- Rotation angle: 90°
- Rotation time: 180 seconds
- Protection level: IP54
- Analog control input: 0-10V or 4-20mA
- Torque: 10Nm

0-10V



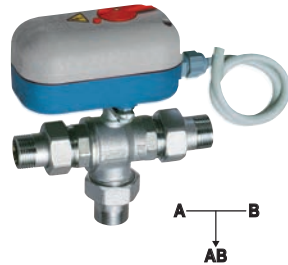
ART. 3012

Code	voltage	opening time	analog control input		€	box	pack
3012 180	24 V	180 s	0-10V	4-20mA	250,52	1	30

Chrome-plated 3-way mixing zone control ball valve equipped with unions, nuts and 0-10V electronic modulating actuator, 24 V.

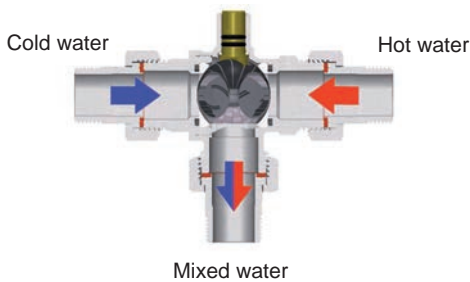
- Connections: male-male
- Full bore flow

0-10V



ART. 301220

Code	size	opening time	€	box	pack
301220 12180	1/2"	180 s	263,45	1	12
301220 34180	3/4"	180 s	274,49	1	12
301220 1180	1"	180 s	285,28	1	12
301220 114180	1"1/4	180 s	308,56	1	12



The three-way mixing valve is a full bore ball valve.

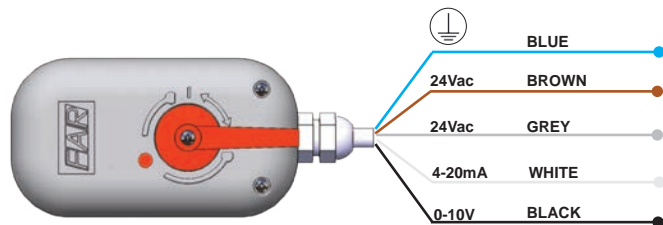
The valve bodies are available in M-M connections and 1/2", 3/4", 1", 1" 1/4 sizes.

It is necessary to have the electronic control with output 0-10V, or 4-20mA in order to control the mixing valve. When suitably connected to the actuator, and thanks to a temperature sensor installed at the output, the valve adjusts the position of the ball in order to obtain the mixed fluid at the desired temperature.

The diagram shows the wiring scheme of the actuator art.3012 180, and the wire colours for the correct connection.

The actuator must be supplied with 24V alternating current by connecting the BLUE (Neutral) and BROWN (phase) wires.

The GREY wire must also be connected to the phase to determine the starting point of the actuator's opening. In this case, by connecting the GREY wire to phase and installing the actuator on a 2-way valve, with 0V control voltage the valve is in the closed position, while with 10V it is completely open.



Description and wiring scheme

COLOUR	WIRING	DESCRIPTION
BLUE	NEUTRAL	Connection to the neutral 24Vac - Actuator voltage
BROWN	PHASE	Connection to the phase 24Vac - Actuator voltage
BLACK	0-10V	Connection to the control unit 0-10Vdc
WHITE	4-20mA	Connection to the control unit 4-20mA
GREY	PHASE	Connection to the phase 24Vac- Reverse rotation start point

Technical features

Actuator type:	Modulating
Feed voltage:	24V - 50Hz
Analog control input:	0-10V or 4-20mA
Torque:	10Nm
Rotation angle:	90°
Protection level:	IP54
Rotation time:	180 s
Cable length:	1m

Straight automatic air vent valve for high pressures.

- Body made of CB753S brass
- Connection: 1/2" F
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C



ART. 2065

Code	size	€	box	pack
2065 12	1/2"	49,10	1	25

Straight automatic air vent valve for high pressures.

- Body made of CB753S brass
- Connection: 1/2" M
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C



ART. 2066

Code	size	€	box	pack
2066 12	1/2"	49,10	1	25

GAISER - Air vent valve with lateral purge.

- Body made of CW617N brass
- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 110°C
- Float: PP
- Preassembled gasket at the base of the thread

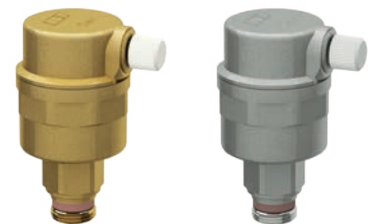


ART. 2040 - 2043

Code	finish	size	€	box	pack
2040 38	brass	3/8"	7,83	10	100
2040 12	brass	1/2"	8,00	10	100
2043 38	chrome	3/8"	8,54	10	100
2043 12	chrome	1/2"	8,69	10	100

GAISER - Air vent valve with lateral purge and **non-return valve**.

- Body made of CW617N brass
- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 110°C
- Float: PP
- Preassembled gasket at the base of the thread



ART. 2041 - 2044

Code	finish	size	€	box	pack
2041 38	brass	3/8"	9,30	10	100
2041 12	brass	1/2"	10,17	10	100
2044 38	chrome	3/8"	9,79	10	100
2044 12	chrome	1/2"	10,80	10	100

GAISER - Straight automatic air vent valve.

- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 110°C
- Float: PP



GAISER - Angled automatic air vent valve.

- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 110°C
- Float: PP



ART. 2045 - 2050

Code	finish	size	€	box	pack
2045 14	brass	1/4"	6,15	10	100
2045 38	brass	3/8"	6,63	10	100
2045 12	brass	1/2"	6,81	10	100
2045 34	brass	3/4"	7,19	10	100
2050 14	chrome	1/4"	6,69	10	100
2050 38	chrome	3/8"	7,19	10	100
2050 12	chrome	1/2"	7,39	10	100
2050 34	chrome	3/4"	7,80	10	100

ART. 2055 - 2060

Code	finish	size	€	box	pack
2055 14	brass	1/4"	6,46	10	100
2055 38	brass	3/8"	6,90	10	100
2055 12	brass	1/2"	7,23	10	100
2055 34	brass	3/4"	7,46	10	100
2060 14	chrome	1/4"	7,06	10	100
2060 38	chrome	3/8"	7,48	10	100
2060 12	chrome	1/2"	7,80	10	100
2060 34	chrome	3/4"	8,06	10	100

Non-return valve for air vent valve.



ART. 2075 - 2080

Code	finish	size	€	box	pack
2075 3814	brass	3/8"x1/4"	2,07	10	-
2075 38	brass	3/8"x3/8"	1,64	10	-
2075 3812	brass	3/8"x1/2"	2,58	10	-
2075 12	brass	1/2"x1/2"	2,39	10	-
2080 38	chrome	3/8"x3/8"	1,74	10	-
2080 3812	chrome	3/8"x1/2"	2,69	10	-
2080 12	chrome	1/2"x1/2"	2,52	10	-

Brass safety valve for heating systems and domestic services.

- Set pressure: 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 - 10 bar
- Inlet: 1/2" male
- Outlet: 1/2"-3/4" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2004

Code	bar	size	€	box	pack
2004 121210	1	1/2"x1/2"	11,76	10	100
2004 121215	1,5	1/2"x1/2"	11,76	10	100
2004 121220	2	1/2"x1/2"	11,76	10	100
2004 121225	2,5	1/2"x1/2"	11,76	10	100
2004 121230	3	1/2"x1/2"	11,76	10	100
2004 121235	3,5	1/2"x1/2"	11,76	10	100
2004 121240	4	1/2"x1/2"	11,76	10	100
2004 121250	5	1/2"x1/2"	11,76	10	100
2004 121260	6	1/2"x1/2"	11,76	10	100
2004 121270	7	1/2"x1/2"	11,76	10	100
2004 121280	8	1/2"x1/2"	11,76	10	100
2004 121200	10	1/2"x1/2"	11,76	10	100
2004 123410	1	1/2"x3/4"	13,57	10	100
2004 123415	1,5	1/2"x3/4"	13,57	10	100
2004 123420	2	1/2"x3/4"	13,57	10	100
2004 123425	2,5	1/2"x3/4"	13,57	10	100
2004 123430	3	1/2"x3/4"	13,57	10	100
2004 123435	3,5	1/2"x3/4"	13,57	10	100
2004 123440	4	1/2"x3/4"	13,57	10	100
2004 123450	5	1/2"x3/4"	13,57	10	100
2004 123460	6	1/2"x3/4"	13,57	10	100
2004 123470	7	1/2"x3/4"	13,57	10	100
2004 123480	8	1/2"x3/4"	13,57	10	100
2004 123400	10	1/2"x3/4"	13,57	10	100

Brass safety valve for heating systems and domestic services.

- Set pressure: 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 - 10 bar
- Inlet: 1/2"-3/4" female
- Outlet: 1/2"-3/4" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2005

Code	bar	size	€	box	pack
2005 121210	1	1/2"x1/2"	11,76	10	100
2005 121215	1,5	1/2"x1/2"	11,76	10	100
2005 121220	2	1/2"x1/2"	11,76	10	100
2005 121225	2,5	1/2"x1/2"	11,76	10	100
2005 121230	3	1/2"x1/2"	11,76	10	100
2005 121235	3,5	1/2"x1/2"	11,76	10	100
2005 121240	4	1/2"x1/2"	11,76	10	100
2005 121250	5	1/2"x1/2"	11,76	10	100
2005 121260	6	1/2"x1/2"	11,76	10	100
2005 121270	7	1/2"x1/2"	11,76	10	100
2005 121280	8	1/2"x1/2"	11,76	10	100
2005 121200	10	1/2"x1/2"	11,76	10	100
2005 123410	1	1/2"x3/4"	13,57	10	100
2005 123415	1,5	1/2"x3/4"	13,57	10	100
2005 123420	2	1/2"x3/4"	13,57	10	100
2005 123425	2,5	1/2"x3/4"	13,57	10	100
2005 123430	3	1/2"x3/4"	13,57	10	100
2005 123435	3,5	1/2"x3/4"	13,57	10	100
2005 123440	4	1/2"x3/4"	13,57	10	100
2005 123450	5	1/2"x3/4"	13,57	10	100
2005 123460	6	1/2"x3/4"	13,57	10	100
2005 123470	7	1/2"x3/4"	13,57	10	100
2005 123480	8	1/2"x3/4"	13,57	10	100
2005 123400	10	1/2"x3/4"	13,57	10	100
2005 343410	1	3/4"x3/4"	15,39	10	100
2005 343415	1,5	3/4"x3/4"	15,39	10	100
2005 343420	2	3/4"x3/4"	15,39	10	100
2005 343425	2,5	3/4"x3/4"	15,39	10	100
2005 343430	3	3/4"x3/4"	15,39	10	100
2005 343435	3,5	3/4"x3/4"	15,39	10	100
2005 343440	4	3/4"x3/4"	15,39	10	100
2005 343450	5	3/4"x3/4"	15,39	10	100
2005 343460	6	3/4"x3/4"	15,39	10	100
2005 343470	7	3/4"x3/4"	15,39	10	100
2005 343480	8	3/4"x3/4"	15,39	10	100
2005 343400	10	3/4"x3/4"	15,39	10	100

Brass safety valve for heating systems and domestic services.

- Set pressure: 3 - 6 - 7 bar
- Inlet: 1/2" male
- Outlet: 1/2" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



Brass safety valve for heating systems and domestic services.

- Set pressure: 3 - 6 - 7 bar
- Inlet: 1/2" female
- Outlet: 1/2" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2011

Code	bar	size	€	box	pack
2011 121230	3	1/2"x1/2"	8,14	10	100
2011 121260	6	1/2"x1/2"	8,14	10	100
2011 121270	7	1/2"x1/2"	8,14	10	100

ART. 2012

Code	bar	size	€	box	pack
2012 121230	3	1/2"x1/2"	8,14	10	100
2012 121260	6	1/2"x1/2"	8,14	10	100
2012 121270	7	1/2"x1/2"	8,14	10	100

Brass safety valve for heating systems and domestic services.

- Set pressure: 3 bar
- Inlet: quick connection
- Outlet: 3/4" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



Brass pressure and temperature relief valve for heating systems and domestic services.

- Set pressure 3 - 4 - 6 - 7 - 10 bar
- Inlet: 1/2" - 3/4" male
- Outlet: 1/2" - 3/4" female
- Max. temperature: 115°C
- Discharge temperature: 92 ± 3°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2008

Code	bar	size	€	box	pack
2008 121230	3	1/2"x1/2"	49,11	1	-
2008 121240	4	1/2"x1/2"	49,11	1	-
2008 121260	6	1/2"x1/2"	49,11	1	-
2008 121270	7	1/2"x1/2"	49,11	1	-
2008 121200	10	1/2"x1/2"	49,11	1	-
2008 343430	3	3/4"x3/4"	53,36	1	-
2008 343440	4	3/4"x3/4"	53,36	1	-
2008 343460	6	3/4"x3/4"	53,36	1	-
2008 343470	7	3/4"x3/4"	53,36	1	-
2008 343400	10	3/4"x3/4"	53,36	1	-

ART. 2007

Code	bar	size	€	box	pack
2007 3430	3	3/4"	12,43	10	100

Brass safety valve for heating systems and domestic services.

- Set pressure 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 bar
- Inlet: 1/2" male
- Outlet: 1/2" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2002

Code	bar	size	€	box	pack
2002 121210	1	1/2"x1/2"	8,98	10	100
2002 121215	1,5	1/2"x1/2"	8,98	10	100
2002 121220	2	1/2"x1/2"	8,98	10	100
2002 121225	2,5	1/2"x1/2"	8,98	10	100
2002 121230	3	1/2"x1/2"	8,98	10	100
2002 121235	3,5	1/2"x1/2"	8,98	10	100
2002 121240	4	1/2"x1/2"	8,98	10	100
2002 121250	5	1/2"x1/2"	8,98	10	100
2002 121260	6	1/2"x1/2"	8,98	10	100
2002 121270	7	1/2"x1/2"	8,98	10	100
2002 121280	8	1/2"x1/2"	8,98	10	100

Brass safety valve for heating systems and domestic services.

- Set pressure 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 bar
- Inlet: 1/2" - 3/4" female
- Outlet: 1/2" - 3/4" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2003

Code	bar	size	€	box	pack
2003 121210	1	1/2"x1/2"	8,98	10	100
2003 121215	1,5	1/2"x1/2"	8,98	10	100
2003 121220	2	1/2"x1/2"	8,98	10	100
2003 121225	2,5	1/2"x1/2"	8,98	10	100
2003 121230	3	1/2"x1/2"	8,98	10	100
2003 121235	3,5	1/2"x1/2"	8,98	10	100
2003 121240	4	1/2"x1/2"	8,98	10	100
2003 121250	5	1/2"x1/2"	8,98	10	100
2003 121260	6	1/2"x1/2"	8,98	10	100
2003 121270	7	1/2"x1/2"	8,98	10	100
2003 121280	8	1/2"x1/2"	8,98	10	100
2003 123410	1	1/2"x3/4"	10,82	10	100
2003 123415	1,5	1/2"x3/4"	10,82	10	100
2003 123420	2	1/2"x3/4"	10,82	10	100
2003 123425	2,5	1/2"x3/4"	10,82	10	100
2003 123430	3	1/2"x3/4"	10,82	10	100
2003 123435	3,5	1/2"x3/4"	10,82	10	100
2003 123440	4	1/2"x3/4"	10,82	10	100
2003 123450	5	1/2"x3/4"	10,82	10	100
2003 123460	6	1/2"x3/4"	10,82	10	100
2003 123470	7	1/2"x3/4"	10,82	10	100
2003 123480	8	1/2"x3/4"	10,82	10	100

Balancing valves combine a double regulating valve with a "fixed orifice" metering station.

Double regulating valve

"Double regulation" makes it possible to regulate and measure the fluid flow through the valve.



Art. 2129

"Fixed orifice" metering

"Fixed orifice" provides an accurate means for measuring flow capacity.

The valve is designed to regulate the flow capacity in a water-based heating or cooling system.

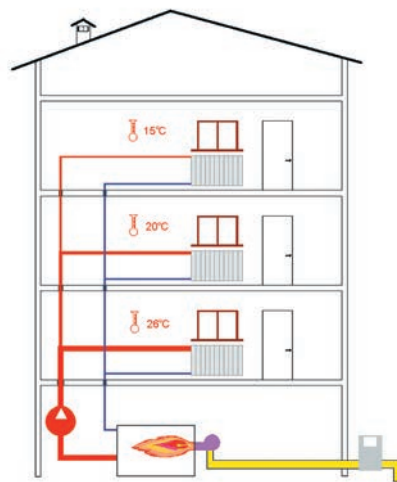
A balancing circuit ensures good performance from the terminal units in the system in line with the project design, thus maintaining uniform temperature conditions in the building.

Correct balancing permits optimization and reduction of energy consumption, avoiding losses from incorrect fluid distribution and limiting the velocity of the fluid medium, which could cause noise disturbance.

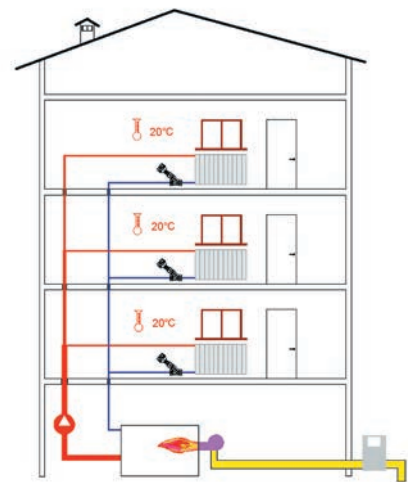
Use of a balancing valve makes it possible to select smaller pumps and to ensure they operate at higher efficiency - reducing electricity consumption and the risk of overheating.

Balancing valves can be used in a range of application:

- To regulate the capacity of the risers, or single terminals in an air-conditioning, or heating system.
- To balance the circuits equipped with 3-way valves.
- To balance the water circuits of heating or cooling batteries, or of evaporating towers.
- To balance the water flow in the sanitation system.



Unbalanced system



Balanced system

Using balancing valves in a cooling or heating system ensures that both flow volume and temperature distribution are uniform, thus reducing consumption.

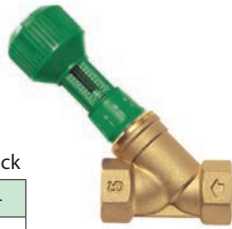


Art. 2130

- Dimensions: sizes from 1/2" to 2".
- Body material: CR (DZR) brass.
- Shaped shutter complete with EPDM closing gasket.
- Micrometric regulating valve with anti-tampering "memory" device.
- Graduated scale with reading to 360°.

Balancing valve and flow measurement valve.

- Body: CR (DZR) brass
- Shaped shutter complete with EPDM closing gasket
- Micrometric regulating valve
- Anti-tampering "memory" device
- Graduated scale with reading to 360°



ART. 2130

Code	size	€	box	pack
2130 12	1/2"	44,11	1	-
2130 34	3/4"	54,65	1	-
2130 1	1"	70,16	1	-
2130 114	1"1/4	97,67	1	-
2130 112	1"1/2	140,27	1	-
2130 2	2"	196,04	1	-

Balancing valve with flow measurement device and plugs.

- Body: CR (DZR) brass
- Shaped shutter complete with EPDM closing gasket
- Micrometric regulating valve
- Anti-tampering "memory" device
- Graduated scale with reading to 360°



ART. 2129

Code	size	€	box	pack
2129 12	1/2"	56,98	1	-
2129 34	3/4"	68,72	1	-
2129 1	1"	85,54	1	-
2129 114	1"1/4	107,17	1	-
2129 112	1"1/2	159,50	1	-
2129 2	2"	227,23	1	-

Pressure plugs, quick insertion.



ART. 2140

Code	size	€	box	pack
2140	1/4"	31,82	1	-

Electronic measurer of differential pressure and flow capacity for system balancing.

Range:

- 0,1 kPa÷250 kPa
- 0÷95°C



ART. 2125

Code	€	box	pack
2125	11.742,48	1	-

Balancing valve complete with PRESSFAR fittings.

- Body: CR (DZR) brass
- Shaped shutter complete with EPDM closing gasket
- Micrometric regulating valve
- Anti-tampering "memory" device
- Graduated scale with reading to 360°



ART. 2133

Code	size	Ø pipe	€	box	pack
21332001	1/2"	20x2	56,75	1	-
21332002	1/2"	20x2,25	57,16	1	-
21332003	1/2"	20x2,5	57,90	1	-
21332501	3/4"	25x2,5	78,12	1	-
21332601	3/4"	26x3	78,56	1	-
21333201	1"	32x3	103,46	1	-
21334001	1"1/4	40x3,5	156,28	1	-
21334002	1"1/4	40x4	156,28	1	-
21335001	1"1/2	50x4	236,52	1	-
21335002	1"1/2	50x4,5	236,52	1	-
21336301	2"	63x4,5	336,95	1	-

Measuring needle for pressure plugs.



ART. 2145

Code	€	box	pack
2145	52,80	1	-

Pre-formed anti-condensation insulation for balancing valves.



ART. 2150

Code	size	€	box	pack
2150 12	1/2"	37,90	1	-
2150 34	3/4"	37,90	1	-
2150 1	1"	37,90	1	-
2150 114	1"1/4	49,37	1	-
2150 112	1"1/2	71,32	1	-
2150 2	2"	71,32	1	-

PICV - Pressure independent control valve.

- Body in CR (DZR) brass
- For heating, cooling and domestic systems
- Automatic flow balancing in conditions of variable pressure in the system
- Modulation of the flow along the entire stroke of actuator (art.2138 180)
- Nominal pressure: 25bar
- Maximum differential pressure: 4bar
- Maximum flow temperature: 120°C
- Minimum working temperature: -10°C
- Compatible fluids: water and glycol
- Nr. 2 connections of pressure plugs Art. 2140


ART. 2136

Code	size	flow rate [l/h]	€	box	pack
2136 12	1/2"	86÷347	117,66	1	-
2136 34	3/4"	96÷483	119,84	1	-
2136 1	1"	150÷900	156,76	1	-
2136 114	1"1/4	272÷1610	179,65	1	-

Thermo-electric actuator for valves, Art.2136.

- Feed voltage: 230V AC
- Control: on/off, normally closed
- Protection level: IP54
- Opening time: 180s
- Cable length: 1m
- Ring thread: M30x1.5
- Stroke: 4mm


ART. 2138

Code	€	box	pack
2138 180	60,53	1	-

PICV - Pressure independent control valve.

- Body in CR (DZR) brass
- For heating, cooling and domestic systems
- Automatic flow balancing in conditions of variable pressure in the system
- Modulation of the flow along the entire stroke of actuator (art.2139 150)
- Nominal pressure: 25bar
- Maximum differential pressure: 4bar
- Maximum flow temperature: 120°C
- Minimum working temperature: -10°C
- Compatible fluids: water and glycol
- Nr. 2 connections for pressure plugs, Art. 2140


ART. 2137

Code	size	flow rate [l/h]	€	box	pack
2137 112	1"1/2	2020÷7105	540,78	1	-
2137 2	2"	2204÷8586	577,12	1	-

Thermo-electric actuator for valves, Art.2137.

- Feed voltage: 230V AC
- Control: 3-point
- Protection level: IP54
- Opening time: 120s
- Ring thread: M30x1.5


ART. 2139

Code	€	box	pack
2139 120	684,08	1	-

The valves **Arts. 2136 and 2137**, also indicated with the acronym **PICV (Pressure Independent Control Valve)**, are designed for automatic balancing of heating, cooling and sanitary systems, even in conditions of variable pressure.

The Pressure Independent Control Valves enable three separate functions in a system:

- **Adjustment.** Select the flow rate within the operating range
- **Control.** Maintain a constant flow rate even in cases of variable pressure.
- **Interception.** Interception of the flow by means of actuators

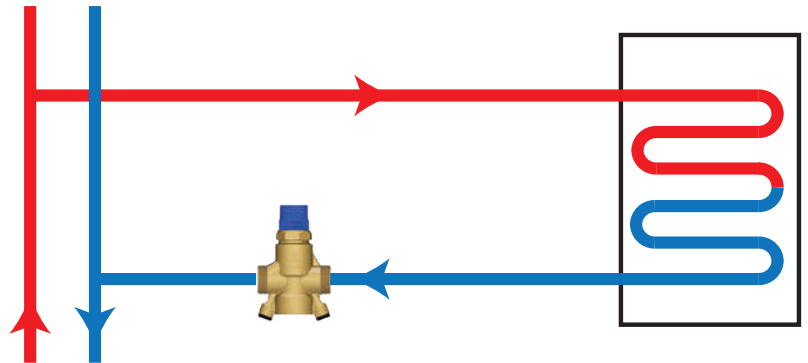
The main features of the control valves are the following:

- Range of differential pressures between a minimum value of 16 kPa and a maximum value of 400 kPa;
- Ability to quickly connect the pair of pressure plugs , Art.**2140**;
- Selector with graduated scale with 21 settings to select the required flow;
- Automatic balancing in case of pressure fluctuation in the pipelines of the system;
- Interception of flow rate by the actuators art.**2138** and **2139**;
- Flexibility of application in case the system is modified after the initial installation;
- Reduced system balancing costs, energy saving and improved comfort.

Applications

The valves Arts.**2136** and **2137** are used for flow rate balancing in systems with hydraulic separators, fan coils, radiant panels, air handling units and systems with chilled beams.

The valve is suitable for cases where it is necessary to keep flow constant to feed a heating or cooling terminal, in order to always maintain the design values, even with varying system load conditions.



Technical features

Art. 2136

Art. 2137

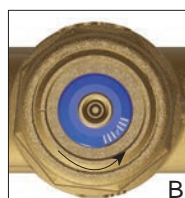
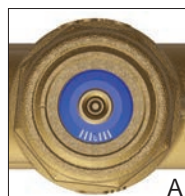
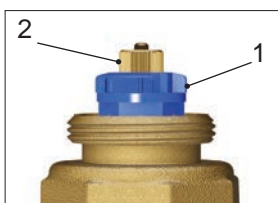
Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Flow rate [l/h]	86÷347	96÷483	150÷900	272÷1610	2020÷7105	2204÷8586
ΔP minimum [kPa]	16,5	19,5	26	37	26	32
Kv [m ³ /h]	0,86	1,05	1,77	2,65	13,94	15,18

Kv = flow rate in m³ / h at pressure drop of 1 bar

Functioning

By turning the adjusting nut (1) you get the design flow value. Then, tighten the memory block (2).

Within the regulation range of Δp the flow rate remains constant, as shown in the graph.



MULTIFAR - Brass modular manifold for both domestic services and heating systems. Complete with balancing lockshield valves.

- Body in CB752S brass
- Numbered regulating handle with anti-tamper guard
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm
- System for shutter stroke limitation and handle locking

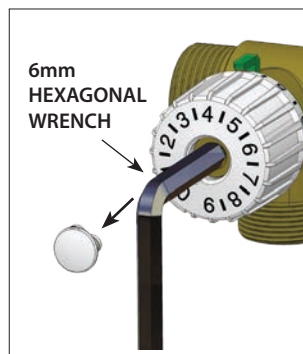

ART. 3815

Code	outlets	size	€	box	pack
3815 3402	2	3/4"	36,53	1	25
3815 3403	3	3/4"	53,06	1	25
3815 3404	4	3/4"	69,38	1	25
3815 102	2	1"	42,27	1	25
3815 103	3	1"	58,58	1	25
3815 104	4	1"	76,97	1	25

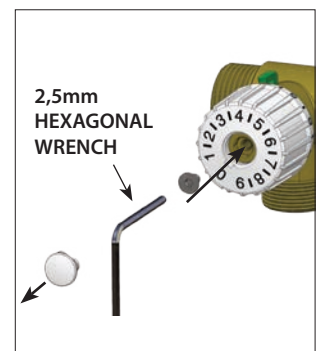
The manifolds with balancing valve are equipped with a device which allows the regulating range to be limited , as well as locking the handle , once the setting position has been reached.

Limitation

Tighten the memory ring with a 6 mm hexagonal wrench until it stops. In this way the handle will have limited movement within the range defined by the project.

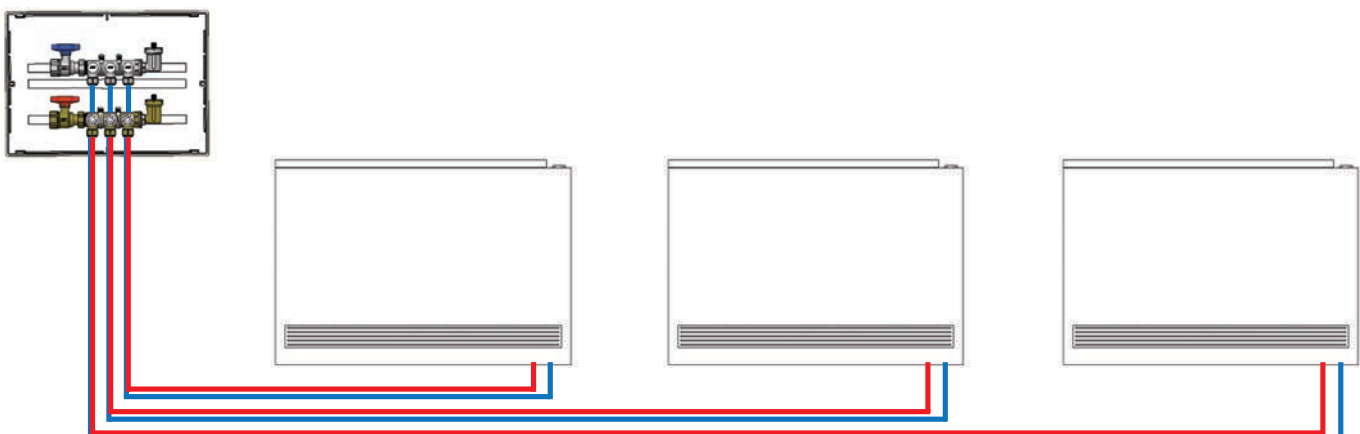

Locking

After tightening the memory ring, fix the locking key with a 2,5 mm hexagonal wrench. In this way the project flow-rate is always allowed, while at the same time avoiding any tampering or setting changes.



The manifold with balancing valve is suitable for heating or cooling systems where it is necessary to regulate the supply of fan coils or heaters placed in different areas, in order to manage the water flow for every outlet in the best way.

A possible configuration, as per the example below, shows that the outlet for the fan coil closest to the manifold will have the handle set on position 3, the one for the fan coil in the middle will set the handle on position 6 and the one for the farthest fan coil will set the handle on position 9.



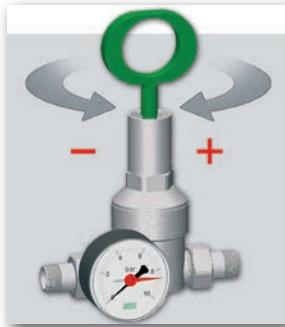
PRESSURE REDUCING VALVES

RELIABILITY, DURABILITY AND EASY MAINTENANCE ARE THE MAIN FEATURES OF THIS PRESSURE REDUCING VALVE
The main purpose of pressure reducing valve is to keep constant pressure in the system, even when the upstream pressure varies widely. Such variations usually occur during the night, or at the weekend, when the use of water decreases. Pressure variation between night and day can range from 3-4 bar. Maintaining constant system pressure avoids leaks and/or malfunction of taps, dishwashers, washing machines etc...Inside the pressure reducing valve there is a cartridge which can be cleaned or replaced thanks to an easy extraction system.

For construction and testing we took as reference UNI EN 1567:2002

- Valves for buildings
- Water and water combined pressure reducing valves
- Requirements and test methods

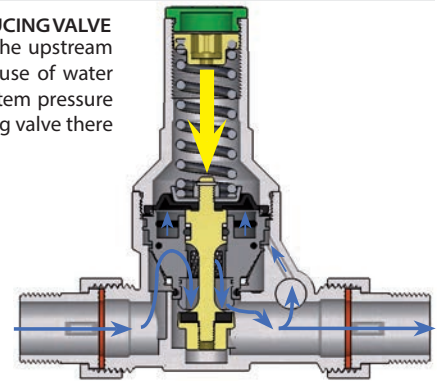
FAST AND EASY ADJUSTMENT



Turning the screw in a clockwise direction – with the aid of the Allen key supplied – increases the pressure, while unscrewing counter-clockwise will cause it to decrease.

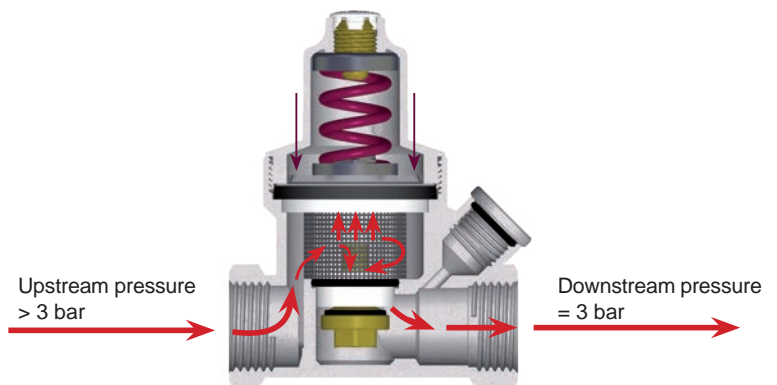
TECHNICAL FEATURES

Reducing valve body:	CB770S (CR) brass
Sealing seat:	AISI 304 stainless steel
Cartridge material:	Hostaform®
O-Rings and gaskets material:	EPDM
Downstream adjustable pressure:	from 1 to 6 bar
Nominal pressure:	16 and 25 bar
Max. working temperature:	75°C



PRESSURE REDUCING VALVE SMALL SIZE, HIGH RELIABILITY

3 bar pressure reducing valve



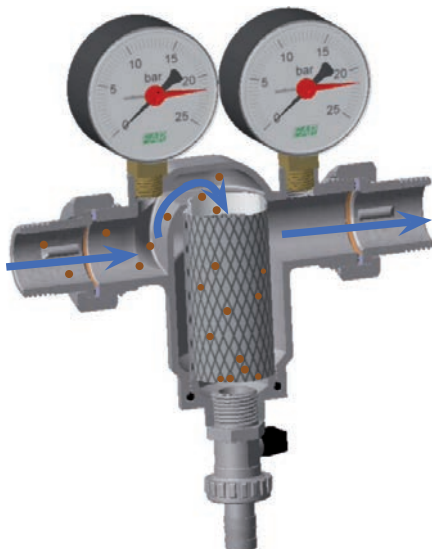
STRAINERS FOR DOMESTIC SERVICES

In order to protect the whole system from any impurities that, over time, might damage components and/or impair system function, it is essential to install a strainer at the system inlet - after the water meter and before the pressure reducing valve. It is a mechanical strainer which is ideal for stopping impurities such as sand, broken bricks or parts of seals which might possibly get into the pipeline during installation.

The body of the FAR strainer for domestic services is fabricated entirely from Dezincification Resistant (DZR) brass. It is a known fact that components made of standard brass can suffer corrosion from stagnant water, or water rich in oxygen and carbon dioxide.

TECHNICAL FEATURES

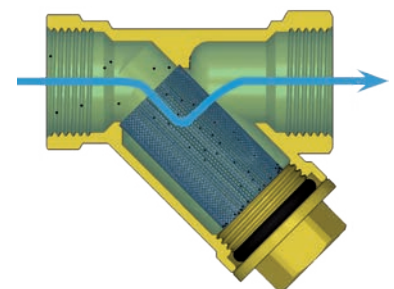
Body material:	CB770S (CR) brass
Mesh filter material:	AISI 304 steel
Filtration level:	100 - 300 - 700 µm
Max. working pressure:	25 bar
Max. working temperature:	95°C



The FAR inclined strainer is a hydraulic component of small dimensions that permits removal of impurities and particles which could pollute the system and damage the components within it. The cartridge is easily removable for simple, fast maintenance and is just as easy to replace.

TECHNICAL FEATURES

Compatible media:	water
Max. water temperature:	95°C
PN:	16 bar
Filtration level:	600 µm
Strainer body:	CW617N brass
Cartridge	AISI 304 steel
Terminal plug:	CW617N brass
O-Ring:	EPDM



Brass pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 30°C
- Compatible fluids: water and air
- Preset: 3 bar



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2864 12	1/2"	33,59	1	50
2864 34	3/4"	36,77	1	50

Male-female connections

ART. 2864-2865

WITH PRESSURE GAUGE

Code	size	€	box	pack
2865 12	1/2"	42,30	1	30
2865 34	3/4"	45,48	1	30

Chrome-plated pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 30°C
- Compatible fluids: water and air
- Preset: 3 bar



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2866 12	1/2"	34,80	1	50
2866 34	3/4"	37,77	1	50

Male-female connections

ART. 2866-2867

WITH PRESSURE GAUGE

Code	size	€	box	pack
2867 12	1/2"	43,52	1	30
2867 34	3/4"	46,47	1	30

Brass pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 30°C
- Compatible fluids: water and air
- Preset: 3 bar



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2868 12	1/2"	29,89	1	50
2868 34	3/4"	30,74	1	50

Female-female connections

ART. 2868-2869

WITH PRESSURE GAUGE

Code	size	€	box	pack
2869 12	1/2"	38,59	1	30
2869 34	3/4"	39,43	1	30

Chrome-plated pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 30°C
- Compatible fluids: water and air
- Preset: 3 bar



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2870 12	1/2"	30,89	1	50
2870 34	3/4"	31,75	1	50

Female-female connections

ART. 2870-2871

WITH PRESSURE GAUGE

Code	size	€	box	pack
2871 12	1/2"	39,59	1	30
2871 34	3/4"	40,44	1	30

Brass angled pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 30°C
- Compatible fluids: water and air
- Preset: 5 bar
- Pressure gauge connection: 1/4"



ART. 2873

Code	size	€	box	pack
2873 34	3/4"	30,91	1	-

Brass pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 69

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2800 12	1/2"	83,81	1	20
2800 34	3/4"	98,52	1	20
2800 1	1"	147,35	1	12
2800 114	1"1/4	198,17	1	12
2800 112	1"1/2	320,81	1	5
2800 2	2"	354,50	1	5



Male-male connections

ART. 2800-2805



WITH PRESSURE GAUGE

Code	size	€	box	pack
2805 12	1/2"	94,00	1	20
2805 34	3/4"	108,70	1	20
2805 1	1"	157,52	1	12
2805 114	1"1/4	208,35	1	12
2805 112	1"1/2	331,00	1	5
2805 2	2"	364,67	1	5

Chrome-plated pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 69

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2810 12	1/2"	85,83	1	20
2810 34	3/4"	102,03	1	20
2810 1	1"	151,68	1	12
2810 114	1"1/4	203,13	1	12
2810 112	1"1/2	330,60	1	5
2810 2	2"	366,38	1	5



Male-male connections

ART. 2810-2815



WITH PRESSURE GAUGE

Code	size	€	box	pack
2815 12	1/2"	96,04	1	20
2815 34	3/4"	112,21	1	20
2815 1	1"	161,85	1	12
2815 114	1"1/4	213,33	1	12
2815 112	1"1/2	340,78	1	5
2815 2	2"	376,69	1	5

Brass pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 69

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2820 12	1/2"	80,56	1	20
2820 34	3/4"	92,83	1	20
2820 1	1"	140,06	1	12



Male-female connections

ART. 2820-2825



WITH PRESSURE GAUGE

Code	size	€	box	pack
2825 12	1/2"	90,76	1	20
2825 34	3/4"	103,04	1	20
2825 1	1"	150,23	1	12

Chrome-plated pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 69

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2830 12	1/2"	82,34	1	20
2830 34	3/4"	95,44	1	20
2830 1	1"	143,40	1	12



WITH PRESSURE GAUGE

Code	size	€	box	pack
2835 12	1/2"	92,53	1	20
2835 34	3/4"	105,64	1	20
2835 1	1"	153,58	1	12

Male-female connections

ART. 2830-2835

Brass pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 69

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2840 12	1/2"	77,92	1	20
2840 34	3/4"	87,96	1	20
2840 1	1"	132,36	1	12



WITH PRESSURE GAUGE

Code	size	€	box	pack
2845 12	1/2"	88,10	1	20
2845 34	3/4"	98,15	1	20
2845 1	1"	142,56	1	12

Female-female connections

ART. 2840-2845

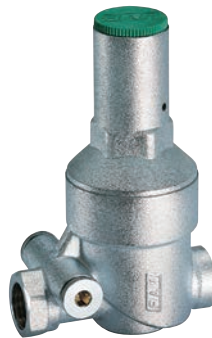
Chrome-plated pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 69

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2850 12	1/2"	79,46	1	20
2850 34	3/4"	90,16	1	20
2850 1	1"	135,12	1	12



WITH PRESSURE GAUGE

Code	size	€	box	pack
2855 12	1/2"	89,65	1	20
2855 34	3/4"	100,36	1	20
2855 1	1"	145,28	1	12

Female-female connections

ART. 2850-2855

Spare cartridge for pressure reducing valves.

- Sizes: 1/2" - 3/4" - 1" - 1 1/4"



ART. 2890

Code	size	€	box
2890 1234	1/2" - 3/4"	29,22	1
2890 1114	1" - 1 1/4"	52,31	1

Spare cartridge for pressure reducing valves.

- Sizes: 1 1/2" - 2"



ART. 2892

Code	size	€	box
2892 1122	1 1/2" - 2"	140,99	1

Spare cartridge for pressure reducing valves, compact version.

- Sizes: 1/2" - 3/4"



ART. 2891

Code	size	€	box
2891 1234	1/2" - 3/4"	12,19	1

Brass strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°



Male-male connections

ART. 3930-3931

WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3930 34	3/4"	71,54	1	12
3930 1	1"	85,63	1	12
3930 114	1"1/4	105,95	1	12
3930 112	1"1/2	146,15	1	5
3930 2	2"	200,76	1	5



WITH PRESSURE GAUGES

Code	size	€	box	pack
3931 34	3/4"	90,52	1	12
3931 1	1"	104,62	1	12
3931 114	1"1/4	124,93	1	12
3931 112	1"1/2	165,23	1	5
3931 2	2"	220,03	1	5

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°



Male-male connections

ART. 3932-3933

WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3932 34	3/4"	75,25	1	12
3932 1	1"	89,58	1	12
3932 114	1"1/4	110,58	1	12
3932 112	1"1/2	155,50	1	5
3932 2	2"	211,60	1	5



WITH PRESSURE GAUGES

Code	size	€	box	pack
3933 34	3/4"	94,23	1	12
3933 1	1"	108,58	1	12
3933 114	1"1/4	129,61	1	12
3933 112	1"1/2	174,71	1	5
3933 2	2"	231,00	1	5

Brass strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°



Male-female connections

ART. 3934-3935

WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3934 34	3/4"	66,58	1	12
3934 1	1"	77,76	1	12
3934 114	1"1/4	93,91	1	12
3934 112	1"1/2	125,11	1	5
3934 2	2"	168,92	1	5



WITH PRESSURE GAUGES

Code	size	€	box	pack
3935 34	3/4"	85,55	1	12
3935 1	1"	96,77	1	12
3935 114	1"1/4	112,89	1	12
3935 112	1"1/2	143,96	1	5
3935 2	2"	187,70	1	5

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°



Male-female connections

ART. 3936-3937

WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3936 34	3/4"	69,81	1	12
3936 1	1"	81,10	1	12
3936 114	1"1/4	97,82	1	12
3936 112	1"1/2	133,31	1	5
3936 2	2"	178,30	1	5



WITH PRESSURE GAUGES

Code	size	€	box	pack
3937 34	3/4"	88,79	1	12
3937 1	1"	100,10	1	12
3937 114	1"1/4	116,78	1	12
3937 112	1"1/2	152,22	1	5
3937 2	2"	197,11	1	5

Brass strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3938 34	3/4"	61,59	1	12
3938 1	1"	69,91	1	12
3938 114	1"1/4	81,85	1	12
3938 112	1"1/2	103,63	1	5
3938 2	2"	136,23	1	5



Female-female connections

ART. 3938-3939



WITH PRESSURE GAUGES

Code	size	€	box	pack
3939 34	3/4"	80,62	1	12
3939 1	1"	88,92	1	12
3939 114	1"1/4	100,84	1	12
3939 112	1"1/2	122,29	1	5
3939 2	2"	154,55	1	5

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3940 34	3/4"	64,33	1	12
3940 1	1"	72,63	1	12
3940 114	1"1/4	84,99	1	12
3940 112	1"1/2	110,23	1	5
3940 2	2"	144,11	1	5



Female-female connections

ART. 3940-3941



WITH PRESSURE GAUGES

Code	size	€	box	pack
3941 34	3/4"	83,35	1	12
3941 1	1"	91,64	1	12
3941 114	1"1/4	104,02	1	12
3941 112	1"1/2	129,45	1	5
3941 2	2"	162,54	1	5

Brass strainer for domestic services and heating systems.

- Body material: CW617N brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 600 µm
- Connections: female-female
- Removable cartridge for cleaning



ART. 2390

Code	size	€	box	pack
2390 12	1/2"	7,69	1	50
2390 34	3/4"	11,47	1	50
2390 1	1"	13,65	1	50
2390 114	1"1/4	26,31	1	30

Brass strainer for domestic services and heating systems.

- Body material: CW617N brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 600 µm
- Connections: male-female with union
- Removable cartridge for cleaning



ART. 2392

Code	size	€	box	pack
2392 12	1/2"	10,41	1	50
2392 34	3/4"	15,48	1	50

Spare cartridge for strainer (ART. 2390-2392).

- Filtration mesh: AISI 304 steel
- Filtration level: 600 µm

ART. 2389

Code	size	filtration level	€	box
2389 12600	1/2"	600 µm	4,03	1
2389 34600	3/4"	600 µm	4,21	1
2389 1600	1"	600 µm	4,43	1
2389 114600	1"1/4	600 µm	5,50	1



FILTROFAR - Chrome-plated strainer with built-in stop cock.

- Body material: CW617N brass
- Connections: male - female
- Nominal pressure: 10 bar
- Max. temperature: 95°C
- Sealing O-ring: EPDM
- Filtration level: 300 µm
- Filtration mesh: AISI 304 steel



ART. 3925

Code	size	€	box	pack
3925 34	3/4"	21,54	10	60

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

NB Insulation on page 69

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
3943 12	1/2"	53,36	1	20
3943 34	3/4"	62,03	1	20
3943 1	1"	76,48	1	15



Male-male connections

ART. 3943-3944



WITH PRESSURE GAUGE

Code	size	€	box	pack
3944 12	1/2"	62,83	1	20
3944 34	3/4"	71,34	1	20
3944 1	1"	85,29	1	15

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

NB Insulation on page 69

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
3945 12	1/2"	49,99	1	20
3945 34	3/4"	56,28	1	20
3945 1	1"	67,50	1	15



Male-female connections

ART. 3945-3946



WITH PRESSURE GAUGE

Code	size	€	box	pack
3946 12	1/2"	59,48	1	20
3946 34	3/4"	65,08	1	20
3946 1	1"	76,31	1	15

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

NB Insulation on page 69

WITH PRESSURE GAUGE CONNECTION

Codice	mis	€	conf	pacco
3947 12	1/2"	46,65	1	20
3947 34	3/4"	50,01	1	20
3947 1	1"	59,46	1	15



Female-female connections

ART. 3947-3948



WITH PRESSURE GAUGE

Codice	mis	€	conf	pacco
3948 12	1/2"	56,13	1	20
3948 34	3/4"	58,82	1	20
3948 1	1"	68,73	1	15

1/2" spare cartridge for strainer for domestic services and heating systems.

(Art. 3943-3944-3945-3946-3947-3948)
(Art. 39F3-39F4-39F5-39F6-39F7-39F8)

- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm

NB. They are also available to special order with 100 µm and 700 µm filtration levels.



ART. 3949

Codice	mis	grado filtrazione	€	conf
3949 12300	1/2"	300 µm	9,57	1

Spare cartridge for strainer for domestic services, sizes: 3/4"-1"-1 1/4"-1 1/2".
(Art. 3930-3931-3932-3933-3934-3935-3936-3937-3938-3939-3940-3941)
(Art. 3943-3944-3945-3946-3947-3948-39F3-39F4-39F5-39F6-39F7-39F8)

Spare cartridge Art. **3942 34300** for domestic services, sizes: 1/2"-3/4"
(Art. 39A3-39A4-39A5-39A6-39A7-39A8-39M3-39M4-39M5-39M6-39M7-39M8)

- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm

NB. They are also available to special order with 100 µm and 700 µm filtration levels



ART. 3942

Codice	mis	grado filtrazione	€	conf
3942 34300	3/4"	300 µm	15,84	1
3942 1300	1"	300 µm	17,90	1
3942 114300	1 1/4"	300 µm	18,73	1
3942 112300	1 1/2"	300 µm	20,88	1
3942 2300	2"	300 µm	22,64	1

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- Removable magnetic insert

NB Insulation on page 69



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39F3 12	1/2"	68,31	1	20
39F3 34	3/4"	75,75	1	16
39F3 1	1"	87,65	1	16

Male-male connections

ART. 39F3-39F4

WITH PRESSURE GAUGE

Code	size	€	box	pack
39F4 12	1/2"	77,48	1	20
39F4 34	3/4"	84,93	1	16
39F4 1	1"	96,82	1	16

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- Removable magnetic insert

NB Insulation on page 69



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39F5 12	1/2"	64,20	1	20
39F5 34	3/4"	69,64	1	16
39F5 1	1"	79,52	1	16

Male-female connections

ART. 39F5-39F6

WITH PRESSURE GAUGE

Code	size	€	box	pack
39F6 12	1/2"	73,37	1	20
39F6 34	3/4"	78,81	1	16
39F6 1	1"	88,69	1	16

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- Removable magnetic insert

NB Insulation on page 69



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39F7 12	1/2"	60,09	1	20
39F7 34	3/4"	63,53	1	16
39F7 1	1"	71,62	1	16

Female-female connections

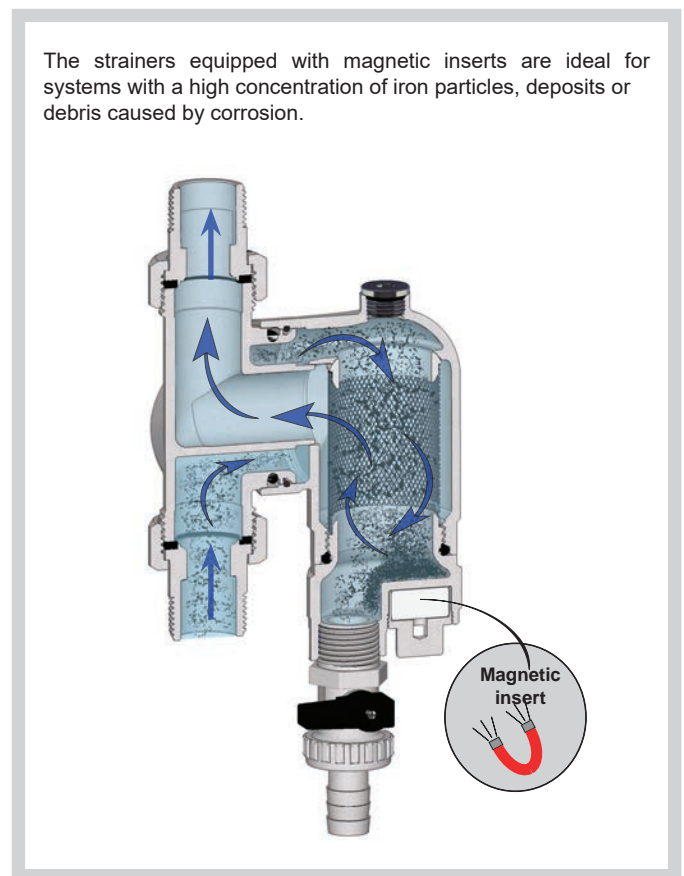
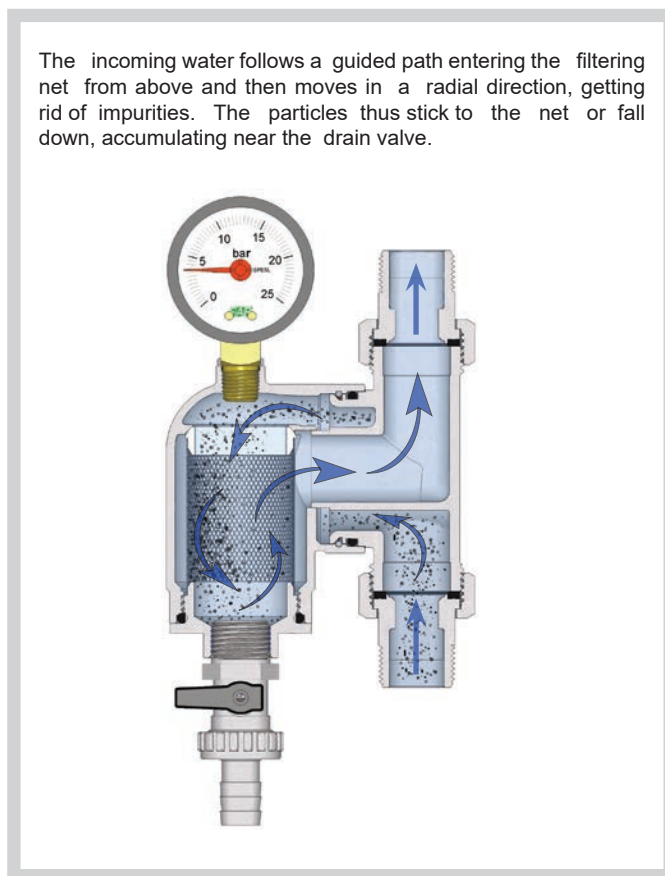
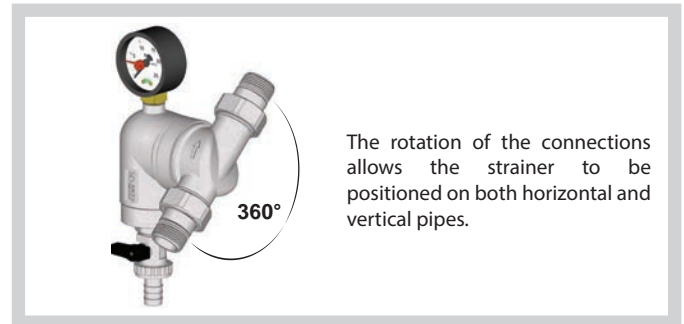
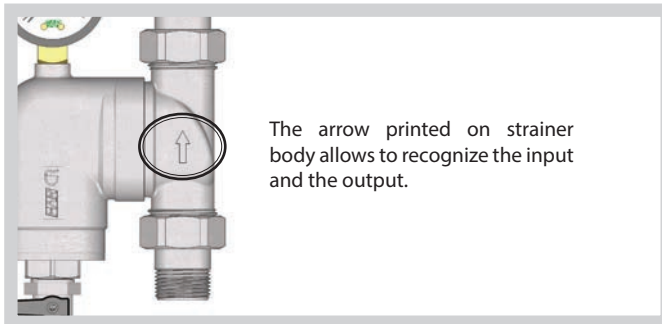
ART. 39F7-39F8

WITH PRESSURE GAUGE

Code	size	€	box	pack
39F8 12	1/2"	69,26	1	20
39F8 34	3/4"	72,70	1	16
39F8 1	1"	80,79	1	16

SWIVELING STRAINERS

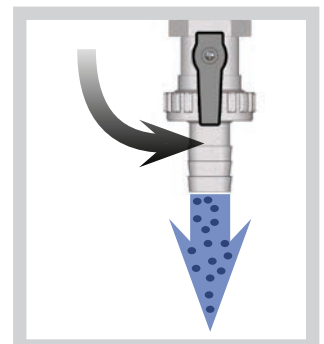
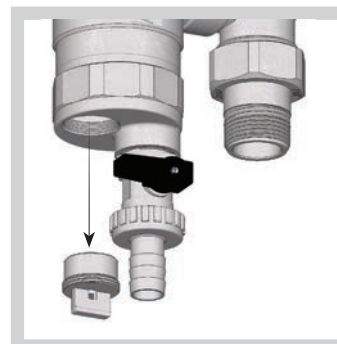
The FAR swiveling strainers guarantee an accurate water filtering, thus preserving the functioning of installed components. The input and output connections can rotate to adjust the strainer position according to the plant requirements



TECHNICAL FEATURES:

- Body: CB770S (CR) brass resistant to dezincification
- Lower cock: CW617N brass
- Filtering cartridge : AISI304 steel
- O-Ring: EPDM
- Max. working temperature: 95°C
- Nominal pressure: 25 bar
- Swiveling connection: 360°
- Available with 3 filtration degrees: 100 µm - 300 µm - 700 µm
- Connections: M-M, F-M and F-F
- Can be ordered in the version with or without pressure gauge

Ordinary maintenance can be carried out simply by unscrewing the magnetic insert holder and opening the drain cock to discharge the accumulated particles.



Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

NB Insulation on page 69



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39A3 12	1/2"	83,33	1	20
39A3 34	3/4"	90,62	1	20

Male-male connections

ART. 39A3-39A4

WITH PRESSURE GAUGE

Code	size	€	box	pack
39A4 12	1/2"	92,29	1	20
39A4 34	3/4"	99,77	1	20

Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

NB Insulation on page 69



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39A5 12	1/2"	79,03	1	20
39A5 34	3/4"	84,20	1	20

Male-female connections

ART. 39A5-39A6

WITH PRESSURE GAUGE

Code	size	€	box	pack
39A6 12	1/2"	87,99	1	20
39A6 34	3/4"	93,35	1	20

Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

NB Insulation on page 69



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39A7 12	1/2"	74,73	1	20
39A7 34	3/4"	77,79	1	20

Female-female connections

ART. 39A7-39A8

WITH PRESSURE GAUGE

Code	size	€	box	pack
39A8 12	1/2"	83,70	1	20
39A8 34	3/4"	86,94	1	20

Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- **Removable magnetic insert**

NB Insulation on page 69



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39M3 12	1/2"	96,50	1	16
39M3 34	3/4"	104,46	1	16

Male-male connections

ART. 39M3-39M4

WITH PRESSURE GAUGE

Code	size	€	box	pack
39M4 12	1/2"	105,67	1	16
39M4 34	3/4"	113,84	1	16

Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- **Removable magnetic insert**

NB Insulation on page 69



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39M5 12	1/2"	92,41	1	16
39M5 34	3/4"	98,24	1	16

Male-female connections

ART. 39M5-39M6

WITH PRESSURE GAUGE

Code	size	€	box	pack
39M6 12	1/2"	101,58	1	16
39M6 34	3/4"	107,62	1	16

Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration level: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- **Removable magnetic insert**

NB Insulation on page 69



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39M7 12	1/2"	88,74	1	16
39M7 34	3/4"	92,02	1	16

Female-female connections

ART. 39M7-39M8

WITH PRESSURE GAUGE

Code	size	€	box	pack
39M8 12	1/2"	97,49	1	16
39M8 34	3/4"	101,40	1	16

Anti-condensate protection shell made of expanded polyethylene for pressure reducing valves.
(ART. 2800-2805-2810-2815-2820-2825)
(ART. 2830-2835-2840-2845-2850-2855)


ART. 2801


Code	size	€	box
2801 1234	1/2"-3/4"	17,59	1
2801 1114	1"-1"1/4	27,58	1
2801 112	1"1/2	31,92	1
2801 2	2"	31,92	1

Anti-condensate protection shell made of expanded polyethylene for strainers.
(ART. 3943-3944-3945-3946-3947-3948)
(ART. 39F3-39F4-39F5-39F6-39F7-39F8)


ART. 39F1


Code	size	€	box
39F1 12	1/2"	21,32	1
39F1 34	3/4"	23,34	1
39F1 1	1"	23,34	1

Anti-condensate protection shell made of expanded polyethylene for strainers with swiveling connections.
(ART. 39A3-39A4-39A5-39A6-39A7-39A8)
(ART. 39M3-39M4-39M5-39M6-39M7-39M8)


ART. 39A1


Code	size	€	box
39A1 1234	1/2"-3/4"	28,39	1

PRE-ASSEMBLED CONTROL UNIT

The SMALL actuator can be installed at the inlet to the domestic services, just after the water meter. It can be activated by a switch, so every time you leave the house, for even a brief period, you can turn off water supplies from the mains. No need to worry ever again about possible damage or a forgotten open tap.

PRE-ASSEMBLED chrome-plated control unit for water main delivery complete with:

- 230 V motorized ball zone valve with manual release
- strainer for domestic services
- pressure reducing valve

WITH PRESSURE GAUGE CONNECTIONS

ART. 3960

Code	size	€	box
3960 34	3/4"	410,67	1
3960 1	1"	486,23	1

WITH PRESSURE GAUGES

ART. 3961

Code	size	€	box
3961 34	3/4"	439,86	1
3961 1	1"	515,41	1



PRE-ASSEMBLED chrome-plated control unit for water main delivery complete with:

- 24 V motorized ball zone valve with manual release
- strainer for domestic services
- pressure reducing valve

WITH PRESSURE GAUGE CONNECTIONS

ART. 3962

Code	size	€	box
3962 34	3/4"	410,67	1
3962 1	1"	486,23	1

WITH PRESSURE GAUGES

ART. 3963

Code	size	€	box
3963 34	3/4"	439,86	1
3963 1	1"	515,41	1

PRE-ASSEMBLED chrome-plated control unit for water main delivery complete with:

- strainer for domestic systems
- pressure reducing valve

WITH PRESSURE GAUGE CONNECTIONS

ART. 3964

Code	size	€	box
3964 34	3/4"	180,44	1
3964 1	1"	241,38	1
3964 114	1"1/4	309,54	1



WITH PRESSURE GAUGES

ART. 3965

Code	size	€	box
3965 34	3/4"	209,63	1
3965 1	1"	270,57	1
3965 114	1"1/4	338,70	1

Connection unit for domestic services complete with:

- connection units for recirculation
- thermostatic mixer with 25÷65° C temperature range
- shut-off ball valves
- non-return valves
- Nominal pressure: 10 bar
- Max. differential pressure: 3bar
- Max. working temperature: 95°C



ART. 3968

Code	size	€	box	pack
3968 34	3/4"	205,98	1	1

Connection unit for domestic services complete with:

- suitable for recirculation
- thermostatic mixer with 25÷65° C temperature range
- shut-off ball valves
- non-return valves
- Nominal pressure: 10 bar
- Max. differential pressure: 3bar
- Max. working temperature: 95°C



ART. 3969

Code	size	€	box	pack
3969 34	3/4"	201,82	1	1

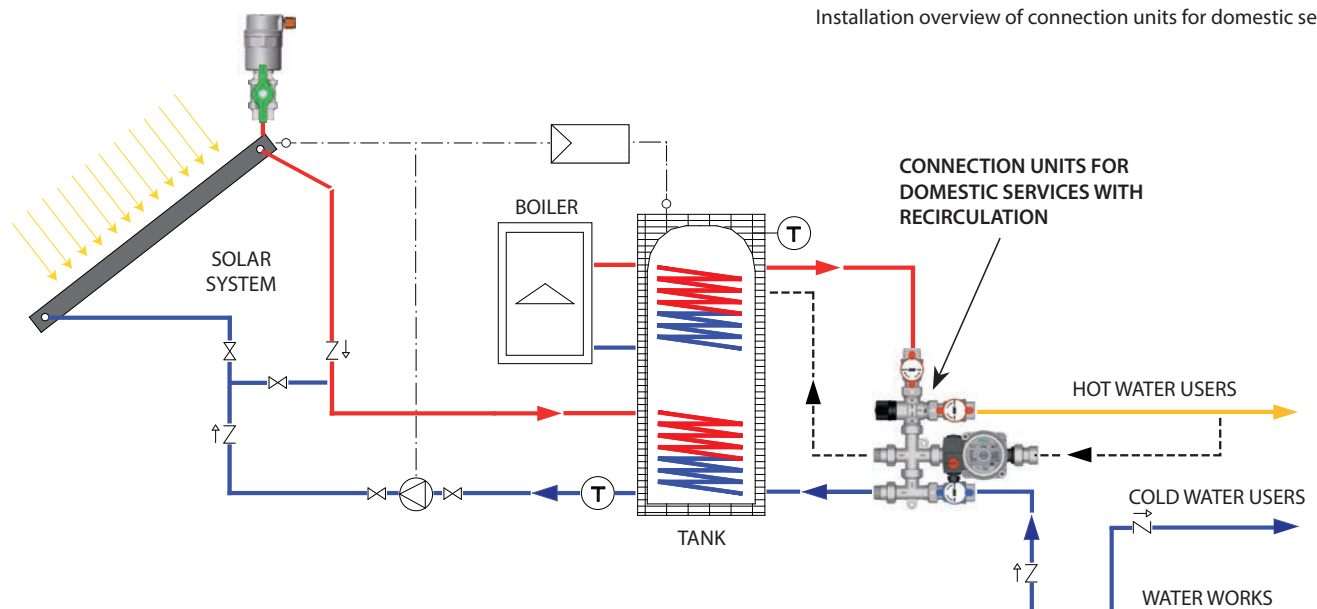
Connection unit for domestic services complete with:

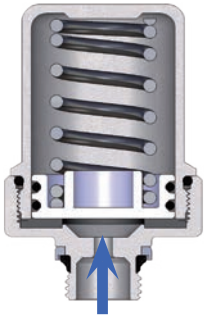
- connection units for recirculation
- 3-speed pump with 6m design head
- thermostatic mixer with 25÷65° C temperature range
- shut-off ball valves
- non-return valves
- Nominal pressure: 10 bar
- Max. differential pressure: 3bar
- Max. working temperature: 95°C



ART. 3967

Code	size	€	box	pack
3967 34	3/4"	424,86	1	1



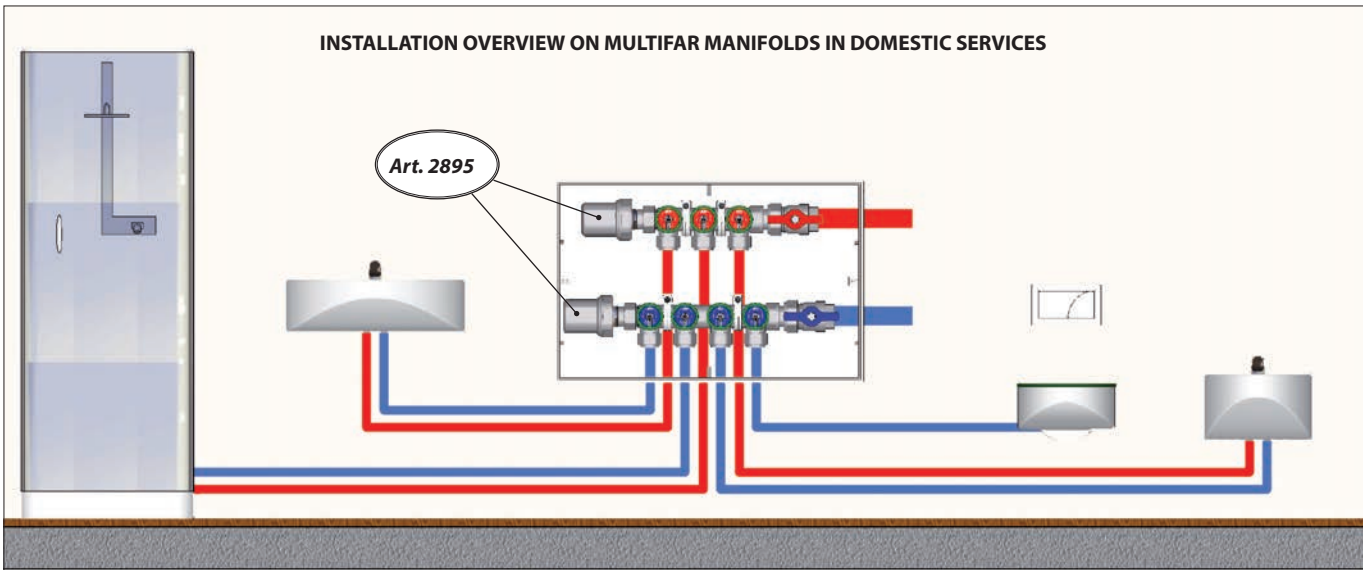
WATER HAMMER ARRESTER


The phenomenon of water hammer occurs when a device (such as a tap or a mixer, etc.) is suddenly opened or closed, creating harmful overpressures inside the system

The FAR water hammer arrester incorporates a steel spring connected to a plastic disc with double O-ring seal, which opposes the fluid force and absorbs much of the excess pressure. As a result, the overpressures are mitigated so that the correct operation of the components in the system is maintained.

It is recommended that the water hammer arrester is installed directly on each circuit (e.g. ball valves, domestic services, electrovalves, etc.), or placed on the distribution manifold.

INSTALLATION OVERVIEW ON SINGLE USER

INSTALLATION OVERVIEW ON MULTIFAR MANIFOLDS IN DOMESTIC SERVICES


Water hammer arrester for domestic services.

- Body made of CW617N brass
- Connection: 1/2" male
- EPDM sealing gasket
- Max. pressure: 50 bar
- Nominal pressure: 10 bar
- Max. working temperature: 90°C


ART. 2895

Code	size	€	box	pack
2895 12	1/2"	25,61	1	50

Water hammer arrester for installation under wash-basin or on the washing machine connection.

- Body made of CW617N brass
- Male connection and swiveling nut
- Sealing gasket
- Max. pressure: 50 bar
- Nominal pressure: 10 bar
- Max. working temperature: 90°C


ART. 2896

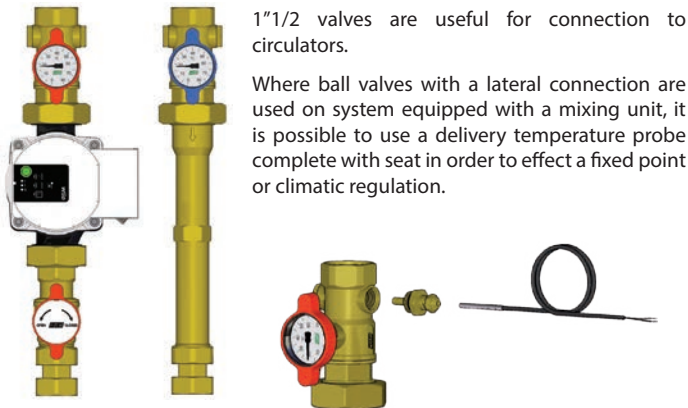
Code	size	€	box	pack
2896 38	3/8"	28,26	1	50
2896 34	3/4"	33,14	1	50

TEMPERATURE GAUGE HOLDER BALL VALVE

FAR temperature gauge holder ball valves for heating systems and domestic hot water services are available in brass or chrome-plated versions, with red or blue handle, according to the application. A temperature gauge can be installed inside the handle. The wide range of available connections allows this valve to be installed with most types of pipework.

Installation

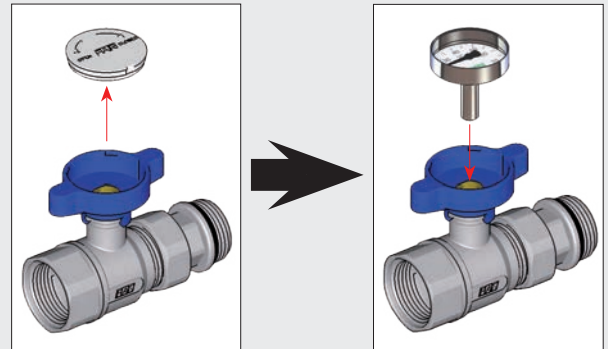
The valves are suitable for installation on heating or domestic hot water systems. Their function is to isolate the circuits, while also displaying the temperature of the circulating fluid in the system.



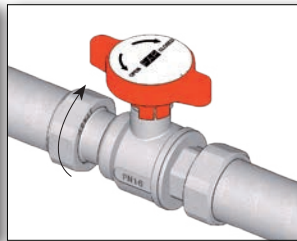
1 1/2" valves are useful for connection to circulators.

Where ball valves with a lateral connection are used on system equipped with a mixing unit, it is possible to use a delivery temperature probe complete with seat in order to effect a fixed point or climatic regulation.

To install the temperature gauge, firstly remove the white cover from the centre of the valve handle and insert the gauge.



Valves with double swivel nut allow the handle to be fixed to suit your needs. Once you have chosen the position, simply screw the cap to the pipe.



Temperature gauge holder ball valves are also available with press-fit connection for multilayer pipe.



TEMPERATURE GAUGE HOLDER ball valve.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 3051



ART. 3052

Code	size	handle	€	box	pack
3051 34B	3/4" F x 3/4" M	blue	23,50	5	50
3051 34R	3/4" F x 3/4" M	red	23,50	5	50
3051 1B	1" F x 1" M	blue	25,27	5	50
3051 1R	1" F x 1" M	red	25,27	5	50

3052 34B	3/4" F x 3/4" M	blue	24,50	5	50
3052 34R	3/4" F x 3/4" M	red	24,50	5	50
3052 1B	1" F x 1" M	blue	26,31	5	50
3052 1R	1" F x 1" M	red	26,31	5	50

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling nut.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 3053



ART. 3054

Code	size	Ø nut	handle	€	box	pack
3053 134B	3/4"	1"	blue	20,31	5	50
3053 134R	3/4"	1"	red	20,31	5	50
3053 1B	1"	1"	blue	20,99	5	50
3053 1R	1"	1"	red	20,99	5	50

3054 134B	3/4"	1"	blue	21,09	5	50
3054 134R	3/4"	1"	red	21,09	5	50
3054 1B	1"	1"	blue	21,79	5	50
3054 1R	1"	1"	red	21,79	5	50

TEMPERATURE GAUGE HOLDER ball valve, complete with double swiveling nut.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 3055



ART. 3056

Code	size	handle	€	box	pack
3055 34B	3/4" F x 3/4" F	blue	21,25	5	50
3055 34R	3/4" F x 3/4" F	red	21,25	5	50
3055 134B	1" F x 3/4" F	blue	22,08	5	50
3055 134R	1" F x 3/4" F	red	22,08	5	50
3055 1B	1" F x 1" F	blue	23,08	5	50
3055 1R	1" F x 1" F	red	23,08	5	50
3055 1121B	1" F x 1"1/2 F	blue	33,98	5	50
3055 1121R	1" F x 1"1/2 F	red	33,98	5	50
3056 34B	3/4" F x 3/4" F	blue	22,21	5	50
3056 34R	3/4" F x 3/4" F	red	22,21	5	50
3056 134B	1" F x 3/4" F	blue	23,14	5	50
3056 134R	1" F x 3/4" F	red	23,14	5	50
3056 1B	1" F x 1" F	blue	24,12	5	50
3056 1R	1" F x 1" F	red	24,12	5	50

TEMPERATURE GAUGE HOLDER ball valve, complete with pump connection.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 3059



ART. 3060

Code	size	handle	€	box	pack
3059 1B	1" F x 1"1/2 F	blue	27,71	5	50
3059 1R	1" F x 1"1/2 F	red	27,71	5	50
3060 1B	1" F x 1"1/2 F	blue	28,54	5	50
3060 1R	1" F x 1"1/2 F	red	28,54	5	50

TEMPERATURE GAUGE HOLDER ball valve.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 5942



ART. 5943

Code	size	handle	Ø pipe	€	box	pack
59422601	3/4"	blue	26x3	26,66	4	40
59422602	3/4"	red	26x3	26,66	4	40
59422603	1"	blue	26x3	28,55	4	40
59422604	1"	red	26x3	28,55	4	40
59423201	3/4"	blue	32x3	28,63	4	40
59423202	3/4"	red	32x3	28,63	4	40
59423203	1"	blue	32x3	30,52	4	40
59423204	1"	red	32x3	30,52	4	40
59432601	3/4"	blue	26x3	27,65	4	40
59432602	3/4"	red	26x3	27,65	4	40
59432603	1"	blue	26x3	29,71	4	40
59432604	1"	red	26x3	29,71	4	40
59433201	3/4"	blue	32x3	29,80	4	40
59433202	3/4"	red	32x3	29,80	4	40
59433203	1"	blue	32x3	31,76	4	40
59433204	1"	red	32x3	31,76	4	40

TEMPERATURE GAUGE HOLDER ball valve, complete with pump connection.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 5946



ART. 5947

Code	size	handle	Ø pipe	€	box	pack
59462601	1"1/2	blue	26x3	31,77	5	50
59462602	1"1/2	red	26x3	31,77	5	50
59463201	1"1/2	blue	32x3	33,74	5	50
59463202	1"1/2	red	32x3	33,74	5	50
59472601	1"1/2	blue	26x3	33,04	5	50
59472602	1"1/2	red	26x3	33,04	5	50
59473201	1"1/2	blue	32x3	35,09	5	50
59473202	1"1/2	red	32x3	35,09	5	50

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling nut.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 5944



ART. 5945

Code	size	handle	Ø pipe	€	box	pack
59442601	1"	blue	26x3	25,06	5	50
59442602	1"	red	26x3	25,06	5	50
59443201	1"	blue	32x3	26,84	5	50
59443202	1"	red	32x3	26,84	5	50
59444001	1"	blue	40x3,5	30,59	5	50
59444002	1"	red	40x3,5	30,59	5	50
59452601	1"	blue	26x3	25,71	5	50
59452602	1"	red	26x3	25,71	5	50
59453201	1"	blue	32x3	27,76	5	50
59453202	1"	red	32x3	27,76	5	50
59454001	1"	blue	40x3,5	31,57	5	50
59454002	1"	red	40x3,5	31,57	5	50

Brass connection fitting with swiveling nut.

- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N printed brass
- Spare parts for arts. 3051 - 5942



ART. 8313

Code	size	€	box
8313 134	1" x 3/4"	5,86	1
8313 1	1" x 1"	7,65	1

Chrome-plated connection fitting with swiveling nut.

- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N printed brass
- Spare parts for arts. 3052 - 5943



ART. 8323

Code	size	€	box
8323 134	1" x 3/4"	6,38	1
8323 1	1" x 1"	8,20	1

Ø 40 mm bimetallic temperature gauge

- Temperature scale: 0÷80°C - 0÷120°C
- 36 mm sheath



ART. 2653

Code	temperature scale	€	box	pack
2653 80	0-80° C	7,52	1	240
2653 120	0-120° C	7,52	1	240

Manual ball valve complete with temperature gauge (art. 2651), chrome-plated version.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PTFE inner seats
- EPDM sealing O-ring
- 3/8" lateral caps can be removed for sensor seating installation
- Temperature gauge scale: 0÷80°C
- Nominal pressure: 16 bar
- Connections: F-F



Manual ball valve complete with temperature gauge (art. 2651), chrome-plated version.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PTFE inner seats
- EPDM sealing O-ring
- 3/8" lateral caps can be removed for sensor seating installation
- Temperature gauge scale: 0÷80°C
- Nominal pressure: 16 bar
- Connections: M-F



ART. 3048

Code	size	handle	€	box	pack
3048 1B	1"	blue	35,87	1	-
3048 1R	1"	red	35,87	1	-

Manual ball valve complete with temperature gauge (art. 2651), brass version.

- Valve body and ball in stamped CW617N brass
- Chrome-plated ball
- PTFE inner seats
- 1"1/2 - 2" swiveling nut
- EPDM sealing O-ring
- 3/8" lateral caps can be removed for sensor seating installation
- Temperature gauge scale: 0÷80°C
- Nominal pressure: 16 bar



ART. 3049

Code	size	handle	€	box	pack
3049 1B	1"	blue	35,87	1	-
3049 1R	1"	red	35,87	1	-

Manual ball valve complete with temperature gauge (art. 2651), chrome-plated version.

- Valve body and ball in stamped CW617N brass
- Chrome-plated ball
- PTFE inner seats
- 1"1/2 - 2" swiveling nut
- EPDM sealing O-ring
- 3/8" lateral caps can be removed for sensor seating installation
- Temperature gauge scale: 0÷80°C
- Nominal pressure: 16 bar



ART. 3045

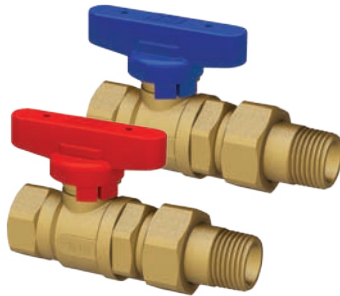
Code	size	handle	€	box	pack
3045 1B	1"x1"1/2	blue	39,62	1	-
3045 1R	1"x1"1/2	red	39,62	1	-
3045 114B	1"1/4x2"	blue	60,75	1	-
3045 114R	1"1/4x2"	red	60,75	1	-

ART. 3046

Code	size	handle	€	box	pack
3046 1B	1"x1"1/2	blue	40,77	1	-
3046 1R	1"x1"1/2	red	40,77	1	-
3046 114B	1"1/4x2"	blue	62,80	1	-
3046 114R	1"1/4x2"	red	62,80	1	-

BRASS shut-off ball valve complete with union.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female

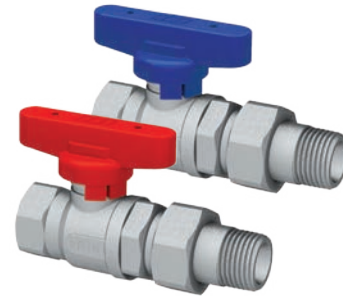


ART. 3079

Code	size	handle	€	box	pack
3079 12B	1/2"F x 1/2"M	blue	15,11	5	50
3079 12R	1/2"F x 1/2"M	red	15,11	5	50
3079 34B	3/4"F x 3/4"M	blue	16,61	5	50
3079 34R	3/4"F x 3/4"M	red	16,61	5	50

Chrome-plated shut-off ball valve complete with union.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female

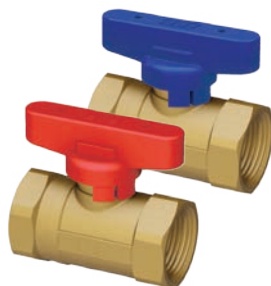


ART. 3079C

Code	size	handle	€	box	pack
3079 12BC	1/2"F x 1/2"M	blue	15,87	5	50
3079 12RC	1/2"F x 1/2"M	red	15,87	5	50
3079 34BC	3/4"F x 3/4"M	blue	17,56	5	50
3079 34RC	3/4"F x 3/4"M	red	17,56	5	50

BRASS shut-off ball valve.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female



ART. 3036

Code	size	handle	€	box	pack
3036 12B	1/2"F x 1/2"F	blue	11,62	5	50
3036 12R	1/2"F x 1/2"F	red	11,62	5	50
3036 34B	3/4"F x 3/4"F	blue	12,71	5	50
3036 34R	3/4"F x 3/4"F	red	12,71	5	50

Chrome-plated shut-off ball valve.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female

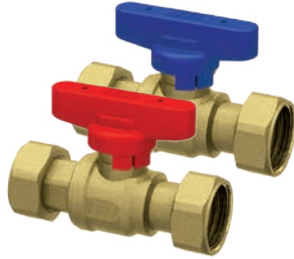


ART. 3036C

Code	size	handle	€	box	pack
3036 12BC	1/2"F x 1/2"F	blue	12,07	5	50
3036 12RC	1/2"F x 1/2"F	red	12,07	5	50
3036 34BC	3/4"F x 3/4"F	blue	13,23	5	50
3036 34RC	3/4"F x 3/4"F	red	13,23	5	50

BRASS shut-off ball valve complete with swiveling nuts.

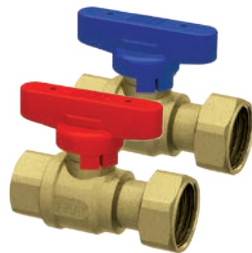
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Female-Female


ART. 3037

Code	Ø nuts	handle	€	box	pack
3037 12B	3/4"	blue	14,70	5	50
3037 12R	3/4"	red	14,70	5	50

BRASS shut-off ball valve complete with swiveling nuts.

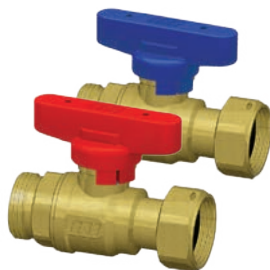
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Female-Female


ART. 3047

Code	size	Ø nut	handle	€	box	pack
3047 12B	1/2"	3/4"	blue	14,27	5	50
3047 12R	1/2"	3/4"	red	14,27	5	50
3047 3434B	3/4"	3/4"	blue	14,74	5	50
3047 3434R	3/4"	3/4"	red	14,74	5	50
3047 134B	3/4"	1"	blue	22,99	5	50
3047 134R	3/4"	1"	red	22,99	5	50

BRASS shut-off ball valve complete with swiveling nuts.

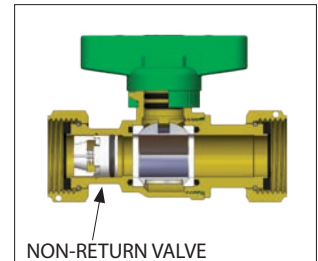
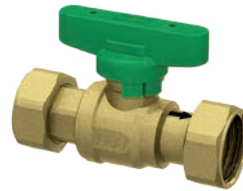
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Male-Female


ART. 3034

Code	size	Ø nut	handle	€	box	pack
3034 34B	3/4"	3/4"	blue	13,89	5	50
3034 34R	3/4"	3/4"	red	13,89	5	50

BRASS shut-off ball valve complete with swiveling nuts.

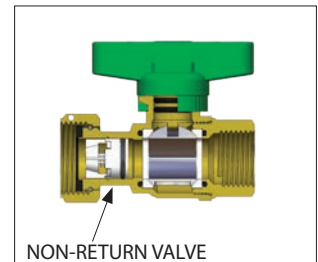
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Female-Female


ART. 3037

Code	Ø nuts	handle	€	box	pack
3037 12V	3/4"	green	16,28	5	50

BRASS shut-off ball valve complete with swiveling nuts.

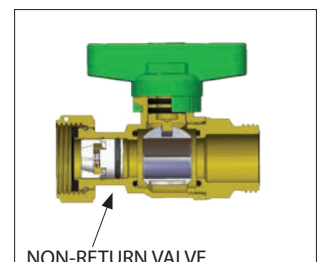
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Female-Female


ART. 3047

Code	size	Ø nut	handle	€	box	pack
3047 12V	1/2"	3/4"	green	15,92	5	50
3047 134V	3/4"	1"	green	25,15	5	50

BRASS shut-off ball valve complete with swiveling nuts.

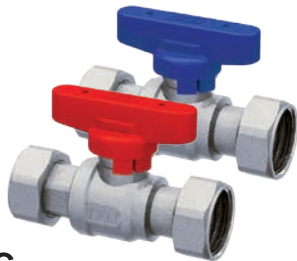
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Male-Female


ART. 3034

Code	size	Ø nut	handle	€	box	pack
3034 34V	3/4"	3/4"	green	15,73	5	50

Chrome-plated shut-off ball valve complete with swiveling nuts.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female

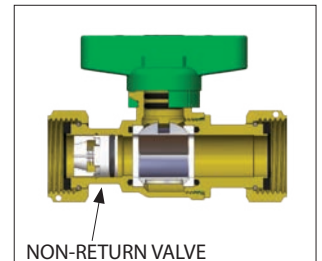


ART. 3037C

Code	Ø nuts	handle	€	box	pack
3037 12BC	3/4"	blue	15,60	5	50
3037 12RC	3/4"	red	15,60	5	50

Chrome-plated shut-off ball valve complete with swiveling nuts.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female



ART. 3037C

Code	Ø nuts	handle	€	box	pack
3037 12VC	3/4"	green	17,19	5	50

Chrome-plated shut-off ball valve complete with swiveling nut.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female

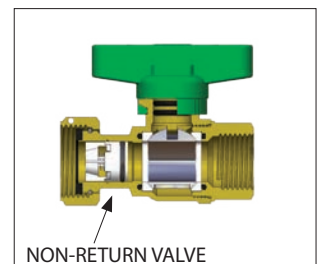


ART. 3047C

Code	size	Ø nut	handle	€	box	pack
3047 12BC	1/2"	3/4"	blue	14,97	5	50
3047 12RC	1/2"	3/4"	red	14,97	5	50
3047 3434BC	3/4"	3/4"	blue	15,34	5	50
3047 3434RC	3/4"	3/4"	red	15,34	5	50
3047 134BC	3/4"	1"	blue	23,98	5	50
3047 134RC	3/4"	1"	red	23,98	5	50

Chrome-plated shut-off ball valve complete with swiveling nut.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female



ART. 3047C

Code	size	Ø nut	handle	€	box	pack
3047 12VC	1/2"	3/4"	green	16,62	5	50
3047 134VC	3/4"	1"	green	26,14	5	50

Chrome-plated shut-off ball valve complete with swiveling nut.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female

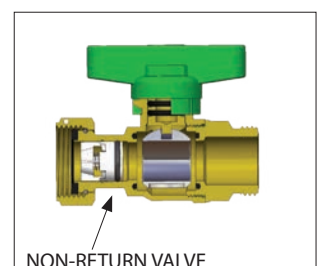


ART. 3034C

Code	size	Ø nut	handle	€	box	pack
3034 34BC	3/4"	3/4"	blue	14,56	5	50
3034 34RC	3/4"	3/4"	red	14,56	5	50

Chrome-plated shut-off ball valve complete with swiveling nut.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female

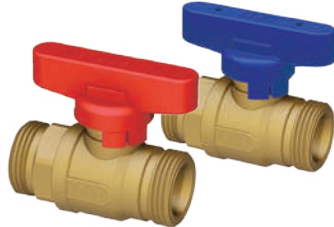


ART. 3034C

Code	size	Ø nut	handle	€	box	pack
3034 34VC	3/4"	3/4"	green	16,40	5	50

Brass shut-off ball valve.

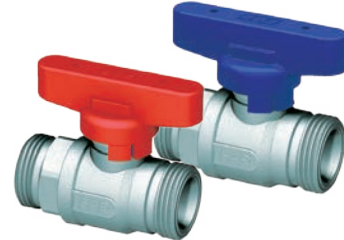
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Male


ART. 3067

Code	size	handle	€	box	pack
3067 34B	3/4"	blue	11,50	5	50
3067 34R	3/4"	red	11,50	5	50

Chrome-plated shut-off ball valve.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Male


ART. 3067C

Code	size	handle	€	box	pack
3067 34BC	3/4"	blue	12,06	5	50
3067 34RC	3/4"	red	12,06	5	50

Brass angled shut-off ball valve complete with swiveling nuts.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female
- Male connection: eurokonus with flat faced insert


ART. 3098

Code	size	Ø nut	handle	€	box	pack
3098 34B	3/4"	3/4"	blue	12,93	5	50
3098 34R	3/4"	3/4"	red	12,93	5	50

Chrome-plated angled shut-off ball valve complete with swiveling nuts.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female
- Male connection: eurokonus with flat faced insert


ART. 3098C

Code	size	Ø nut	handle	€	box	pack
3098 34BC	3/4"	3/4"	blue	13,63	5	50
3098 34RC	3/4"	3/4"	red	13,63	5	50

Brass angled shut-off ball valve complete with double swiveling nuts.

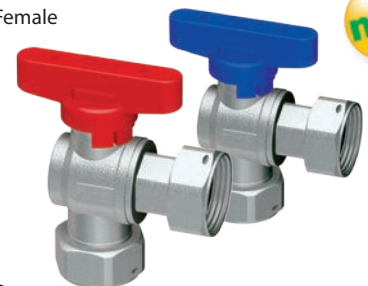
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female


ART. 3099

Code	size	Ø nut	handle	€	box	pack
3099 34B	3/4"	3/4"	blue	14,02	5	50
3099 34R	3/4"	3/4"	red	14,02	5	50

Chrome-plated angled shut-off ball valve complete with double swiveling nuts.

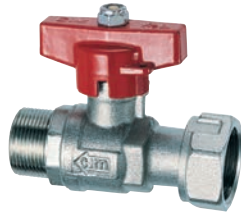
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female


ART. 3099C

Code	size	Ø nut	handle	€	box	pack
3099 34BC	3/4"	3/4"	blue	14,87	5	50
3099 34RC	3/4"	3/4"	red	14,87	5	50

CIMFAR - Ball valve for water meter.

- Interchangeable connection for copper, plastic and multilayer pipe
- Connection to water meter by 3/4" nut



ART. 3035

Code	size	€	box	pack
3035 34	3/4"	14,73	10	-

CIMFAR - Full bore ball valve.

- Interchangeable connection for copper, plastic and multilayer pipe
- 1/2" male connection



ART. 3041

Code	size	€	box	pack
3041 12	1/2"	10,49	10	-

CIMFAR - Full bore ball valve.

- Interchangeable connection for copper, plastic and multilayer pipe
- 1/2" female connection



ART. 3038

Code	size	€	box	pack
3038 12	1/2"	10,49	10	-

CIMFAR - Ball valve complete with strainer.

- Interchangeable connection for copper, plastic and multilayer pipe
- 1/2" female connection



ART. 3043

Code	size	€	box	pack
3043 12	1/2"	22,86	10	-



02

Components for renewable energy systems

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THERMOSTATIC MIXER

The main purpose of SOLARFAR mixers is to constantly maintain the temperature of the mixed water distributed to system outlets at the set value, even when temperature and pressure of incoming fluids change.

The mixer is equipped with a temperature sensitive sensor, which detects the temperature of the mixed fluid. The sensor is directly immersed into the mixed water, thus ensuring a high degree of accuracy and a quick response. The sensor detects changes in water temperature and adjusts opening and closing of cold and hot water inlets to achieve the right balance and thus the set temperature. In the event of insufficient cold water, the inner cartridge can completely close off the hot water inlet so as to avoid any possibility of scalding.

N.B. in order to increase mixer accuracy, pressure differentials between hot and cold water inlets must be balanced.

HANDLE POSITION	MIN	1	2	3	4	5	MAX
TEMPERATURE °C	25	35	45	50	55	60	65

Valve calibration, i.e. mixed water temperature setting, is carried out manually by turning the graduated handle.



SAFETY VALVE

In order to protect solar panels, a safety valve and an expansion tank should be installed in the circuit. The valve can also be used for protection of any solar tank.

The safety valve limits hot water pressure in such a way as not to exceed the calibrated set limit.

Once this value is reached the valve will discharge a sufficient quantity of water to ensure that pressure is within the limits for correct operation of the system.

In order to achieve proper valve calibration, it is important that calibration pressure plus permitted overpressure does not exceed max. working pressure.

All safety valves are calibrated in our laboratories and it is not possible to change the value without tampering with them.

In the event of a pipeline section being installed on the outlet, the diameter of the discharge pipeline must not be less than that of the outlet fitting and must not prevent the proper operation of the valves. The outlet must be located near the safety valve and be both easily visible and accessible.

To avoid any possibility of impurities being deposited on the shutter, the safety valve must not be installed with the handle downward.



AIR VENT VALVE

The air vent valve has to be installed on closed solar heating systems to automatically vent any air in the circuit, thus ensuring a better heat transfer. Air discharge from the system avoids noise problems arising from imperfect fluid circulation. The valve must be installed at the highest point of the system and in a vertical position in order to guarantee perfect operation.

Normally the cap has to be slightly loose to allow air to escape from the valve through a notch on the male thread. The closing cap is only required in special circumstances, i.e. when the valve does not work properly, in which case it should be closed in order to avoid dripping. Once the air has been removed during system filling, it is necessary to close the shut-off valve located under the air vent valve.

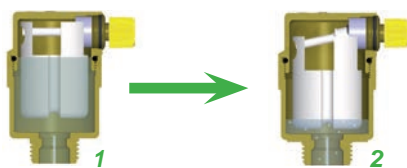


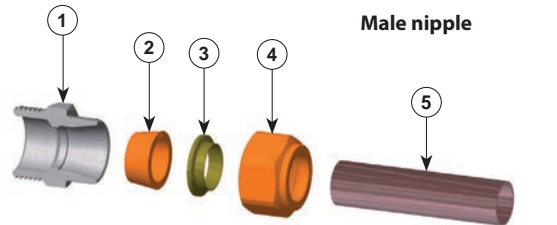

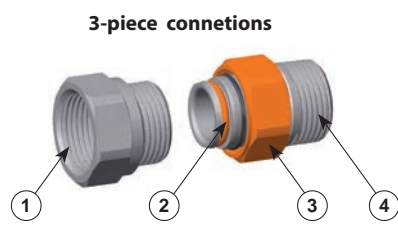

Fig.1 If there is no air in the circuit, water inside the air vent valve keeps the float in such a position as to close the shutter.

Fig.2 The air in the circuit reduces the water level in the air vent valve, thus lowering the float and opening the air discharge.

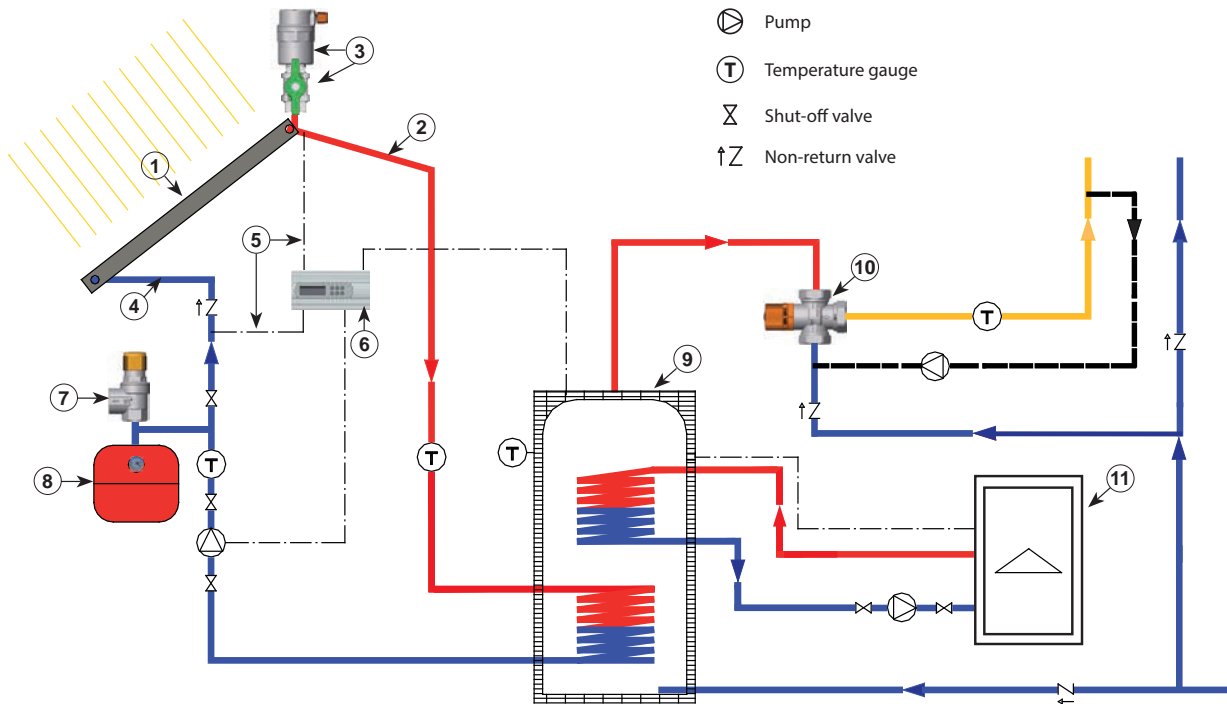


INTERMEDIATE CONNECTIONS

SOLARFAR fittings permit connection of copper and steel pipes in solar systems and have a max. working temperature of 160°C.

Male nipple		3-piece connetions	
			
1. CONICAL SEAT 2. SINGLE TAPER 3. REDUCER	4. HEX.27 NUT 5. STEEL OR COPPER PIPE	1. FEMALE THREAD BODY 2. SEALING O-RING 3. NUT	4. MALE THREAD BODY

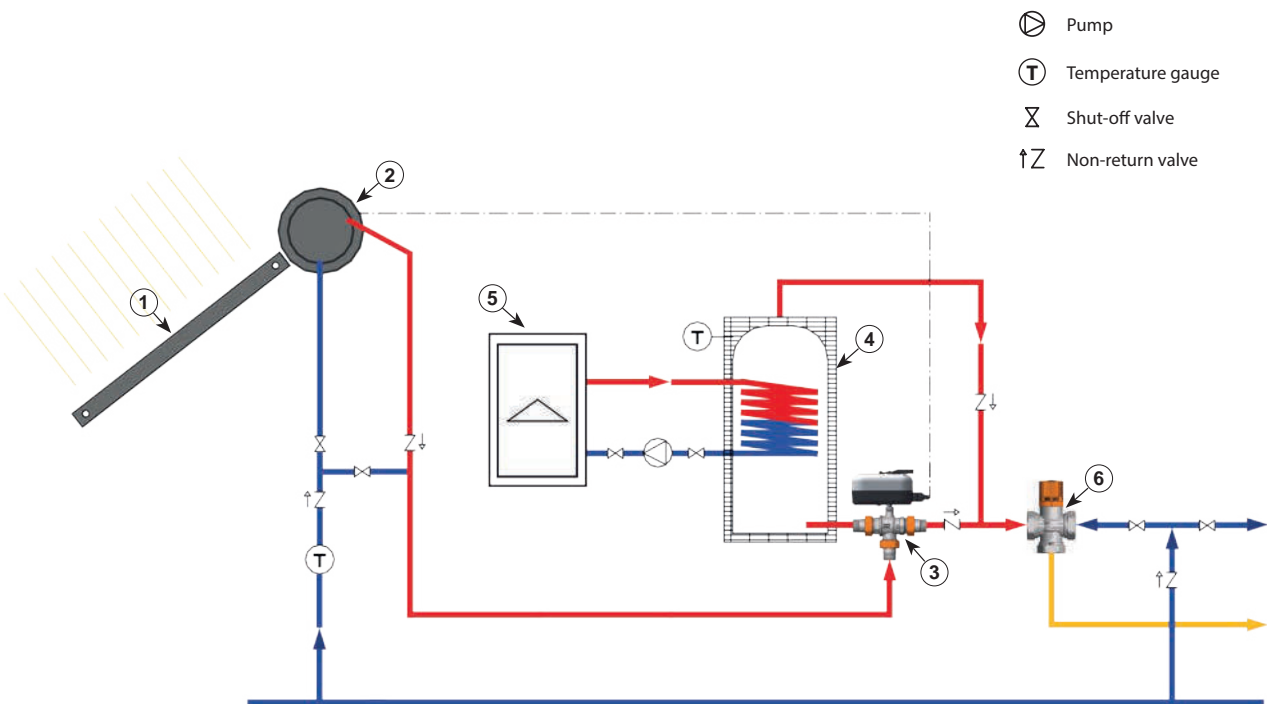
SOLAR SYSTEM WITH FORCED CIRCULATION - INSTALLATION OVERVIEW



- ⊗ Pump
- Ⓣ Temperature gauge
- ⊗ Shut-off valve
- ↑Z Non-return valve

- | | | |
|---|---------------------------|----------------------------------|
| 1 - Thermal solar panel | 5 - Temperature probe | 9 - Tank |
| 2 - Supply pipeline | 6 - Control unit | 10 - SOLARFAR THERMOSTATIC MIXER |
| 3 - SOLARFAR AIR VENT VALVE WITH SHUT-OFF VALVE | 7 - SOLARFAR SAFETY VALVE | 11 - Boiler |
| 4 - Return pipeline | 8 - Expansion tank | |

SOLAR SYSTEM WITH NORMAL CIRCULATION - INSTALLATION OVERVIEW



- ⊗ Pump
- Ⓣ Temperature gauge
- ⊗ Shut-off valve
- ↑Z Non-return valve

- | | |
|-----------------------------|---------------------------------|
| 1 - Thermal solar panel | 4 - Tank |
| 2 - Panel tank | 5 - Boiler |
| 3 - SOLARFAR DIVERTER VALVE | 6 - SOLARFAR THERMOSTATIC MIXER |

Chrome-plated thermostatic mixer for solar systems.

- Setting range: 25÷65°C
- Connections: female
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3953

Code	size	€	box	pack
3953 12	1/2"	80,52	1	60
3953 34	3/4"	82,51	1	60
3953 1	1"	86,08	1	60

Chrome-plated thermostatic mixer for solar systems.

- Flat-faced connection for unions
- Setting range: 25÷65°C
- Connections: male
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3954

Code	size	€	box	pack
3954 34	3/4"	82,51	1	60
3954 1	1"	86,08	1	60

Chrome-plated thermostatic mixer for solar systems.

- Flat faced connection complete with unions and EPDM GASKET
- Setting range: 25÷65°C
- Connections: male
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3955

Code	size	€	box	pack
3955 12	1/2"	91,37	1	50
3955 34	3/4"	106,94	1	50
3955 1	1"	112,02	1	50
3955 114	1"1/4	543,36	1	-
3955 112	1"1/2	737,79	1	-

3-piece connection for solar systems.

- Connections: male-female
- Max. working temperature: 160°C



ART. 5152

Code	size	€	box	pack
5152 34	3/4"	9,05	20	200
5152 1	1"	12,95	10	100

Chrome-plated thermostatic mixer for solar systems.

- Flat faced connection complete with unions and EPDM GASKET
- Setting range: 25÷65°C
- **Non-return valves on side connections**
- Male connections: complete with unions and gaskets
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3955VR

Code	size	€	box	pack
3955 12VR	1/2"	102,22	1	50
3955 34VR	3/4"	119,04	1	50
3955 1VR	1"	129,00	1	50

Chrome-plated thermostatic diverter for solar systems.

- Flat-faced connection for unions
- Connections: male
- Setting range: 45°C
- Maximum pressure: 10 bar
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3959

Code	size	€	box
3959 1	1"	81,12	1

Chrome-plated 2-way zone control ball valve for solar systems equipped with unions, nuts and 230 V - 24 V actuator with manual release.

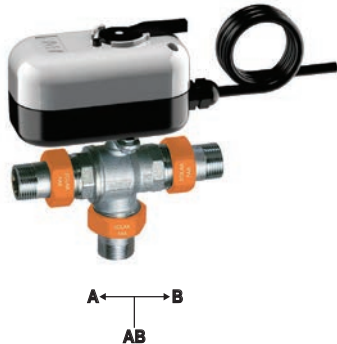
- Max. working temperature: 130°C
- Nominal pressure: 16 bar
- Connections: Male
- Full bore flow


ART. 300724 - 300824

Code	size	openig time	voltage	€	box	pack
300724 3408	3/4"	8 s	230 V	220,42	1	12
300724 108	1"	8 s	230 V	243,96	1	12
300724 11408	1"1/4	8 s	230 V	276,81	1	12
300824 3408	3/4"	8 s	24 V	220,42	1	12
300824 108	1"	8 s	24 V	243,96	1	12
300824 11408	1"1/4	8 s	24 V	276,81	1	12

Chrome-plated 3-way diverter zone control ball valve for solar systems equipped with unions, nuts and 230 V - 24 V actuator with manual release.

- Max. working temperature: 130°C
- Nominal pressure: 16 bar
- Connections: Male
- Full bore flow


ART. 300729 - 300829

Code	size	openig time	voltage	€	box	pack
300729 3408	3/4"	8 s	230 V	234,02	1	12
300729 108	1"	8 s	230 V	267,72	1	12
300729 11408	1"1/4	8 s	230 V	300,54	1	12
300829 3408	3/4"	8 s	24 V	234,02	1	12
300829 108	1"	8 s	24 V	267,72	1	12
300829 11408	1"1/4	8 s	24 V	300,54	1	12

- Thermostat with remote sensor and protected regulation.
- Temperature range: 10÷90°C
- Protection level: IP40
- Max. sensor temperature: 150°C
- Sheath: 1/2" (l=100mm)
- Length of capillary: 1m


ART. 7953

Code	€	box	pack
7953	30,95	1	-

Anti-condensation insulation for SMALL actuators (ART. 3007-3008) for cooling systems.


ART. 3009

Code	height/mm	€	box
3009 40	40	20,99	1

Solar unit for systems with thermal integration.

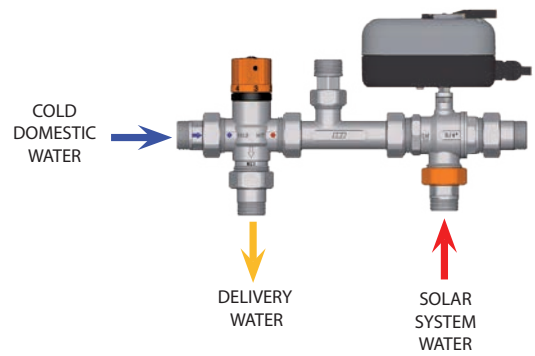
- Solar mixer with 25÷65°C temperature range
- 3/4" diverter valve with 230V 8s actuator with manual release
- Max. pressure: 10 bar
- Max. temperature : 110°C
- Non-return valves on the inlets
- EPDM sealing gaskets
- Insulation
- Remote thermostat with immersion sensor
- Connections with 3/4" unions



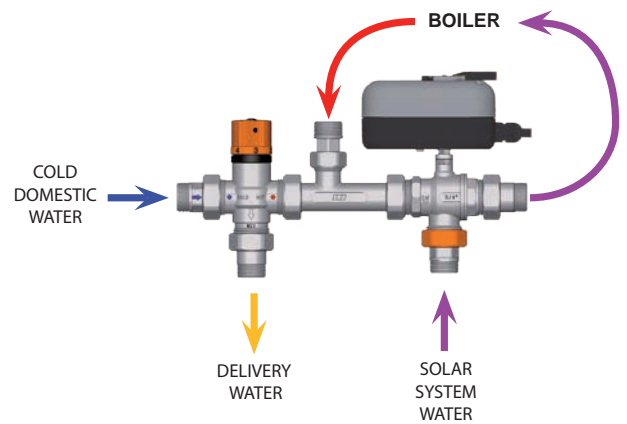
ART. 3090

Code	size	€	box	pack
3090 34	3/4"	396,05	1	-

Water temperature produced by solar system > 45°C

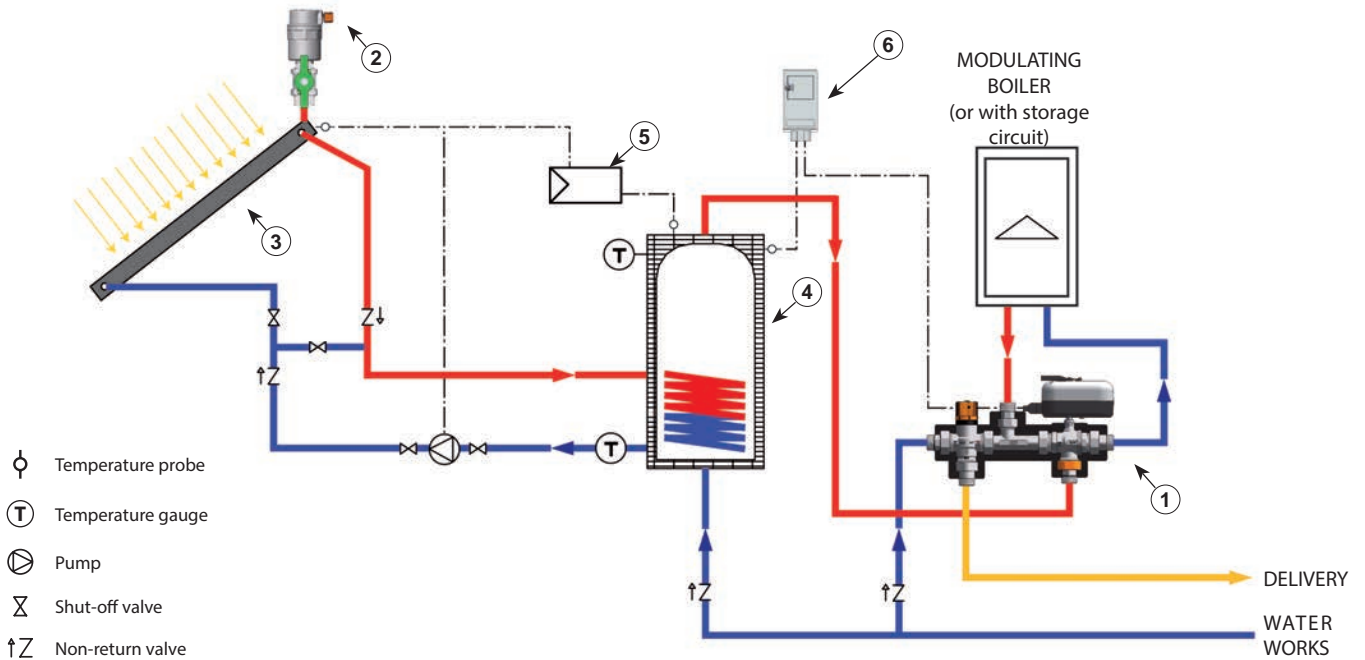


Water temperature produced by solar system < 45°C



Installation overview of art. 3090 34.

With thermal integration - Solar system with forced circulation and modulating boiler

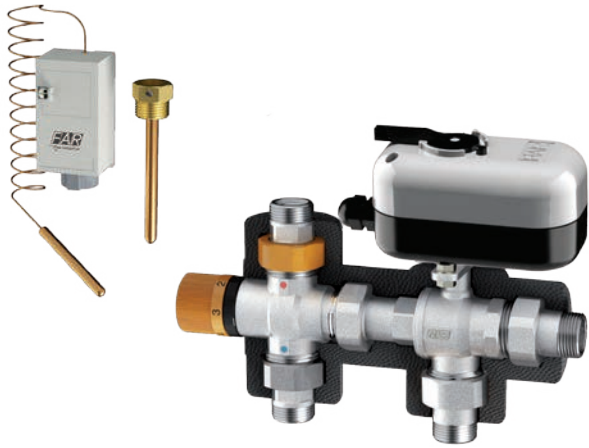


- 1 - SOLAR UNIT WITH THERMAL INTEGRATION
- 2 - SOLARFAR AIR VENT VALVE WITH SHUT-OFF VALVE
- 3 - Thermal solar panel

- 4 - Tank
- 5 - Electronic control
- 6 - THERMOSTAT

Solar unit for systems without thermal integration.

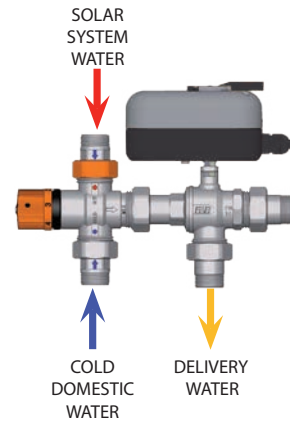
- Solar mixer with 25÷65°C temperature range
- 3/4" diverter valve with 230V 8s actuator and manual release
- Max. pressure: 10 bar
- Max. temperature : 110°C
- Non-return valves on thermostatic mixer inlets
- EPDM sealing gaskets
- Insulation
- Remote thermostat with immersion sensor
- Connections with 3/4" unions



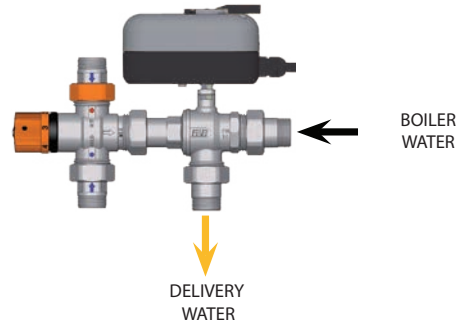
ART. 3091

Code	size	€	box	pack
3091 34	3/4"	376,24	1	-

Water temperature produced by solar system > 45°C

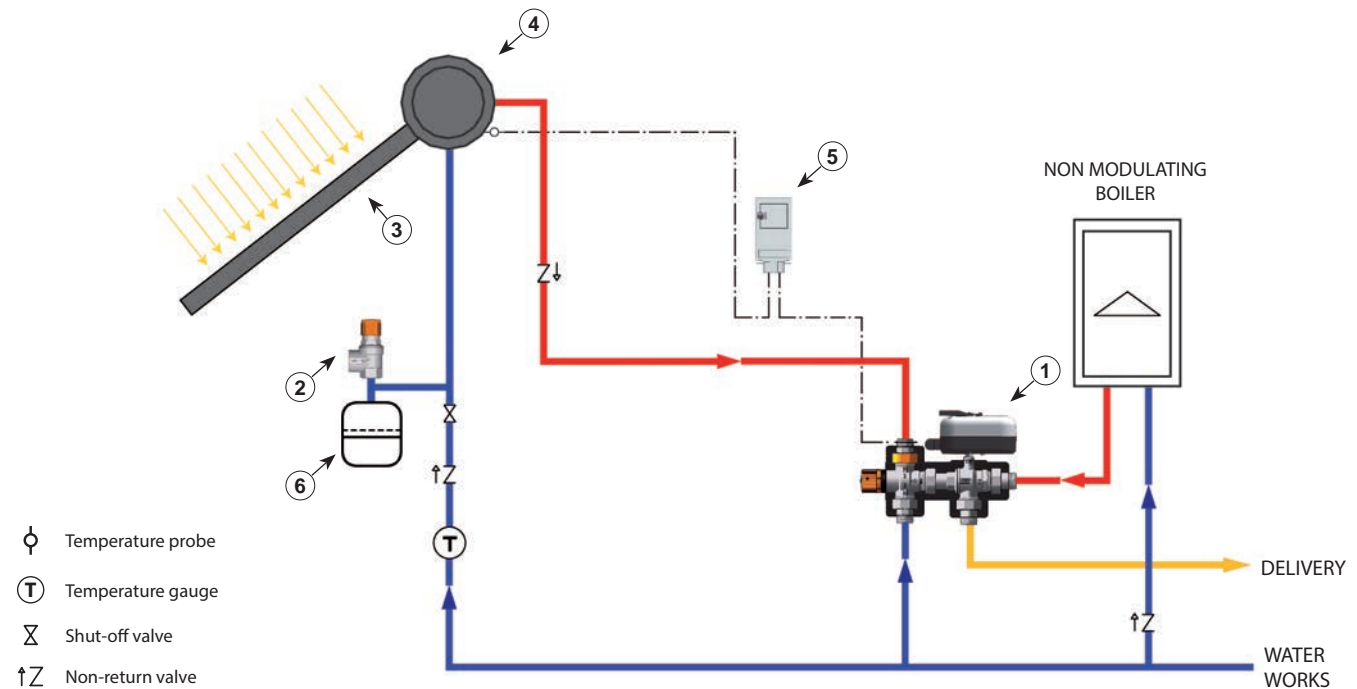


Water temperature produced by solar system < 45°C



Installation overview of art. 3091 34.

Without thermal integration - Solar system with natural circulation and non-modulating boiler



- 1 - SOLAR UNIT WITHOUT THERMAL INTEGRATION
- 2 - SOLARFAR SAFETY VALVE
- 3 - Thermal solar panel
- 4 - Tank
- 5 - THERMOSTAT
- 6 - Expansion tank

Solar unit with thermostatic diverter for systems with thermal integration.

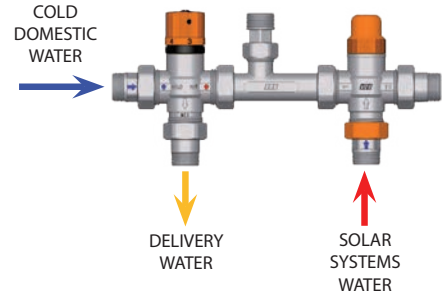
- Solar mixer with 25÷65°C temperature range
- Thermostatic diverter with presetting 45°C
- Max. pressure: 10 bar
- Max. temperature : 110°C
- Non-return valves on the inlets
- EPDM sealing gaskets
- Insulation
- Connections with 3/4" unions



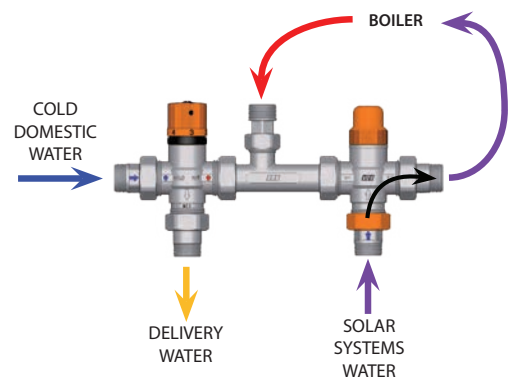
ART. 3092

Code	size	€	box	pack
3092 34	3/4"	243,03	1	-

Water temperature produced by solar system > 45°C



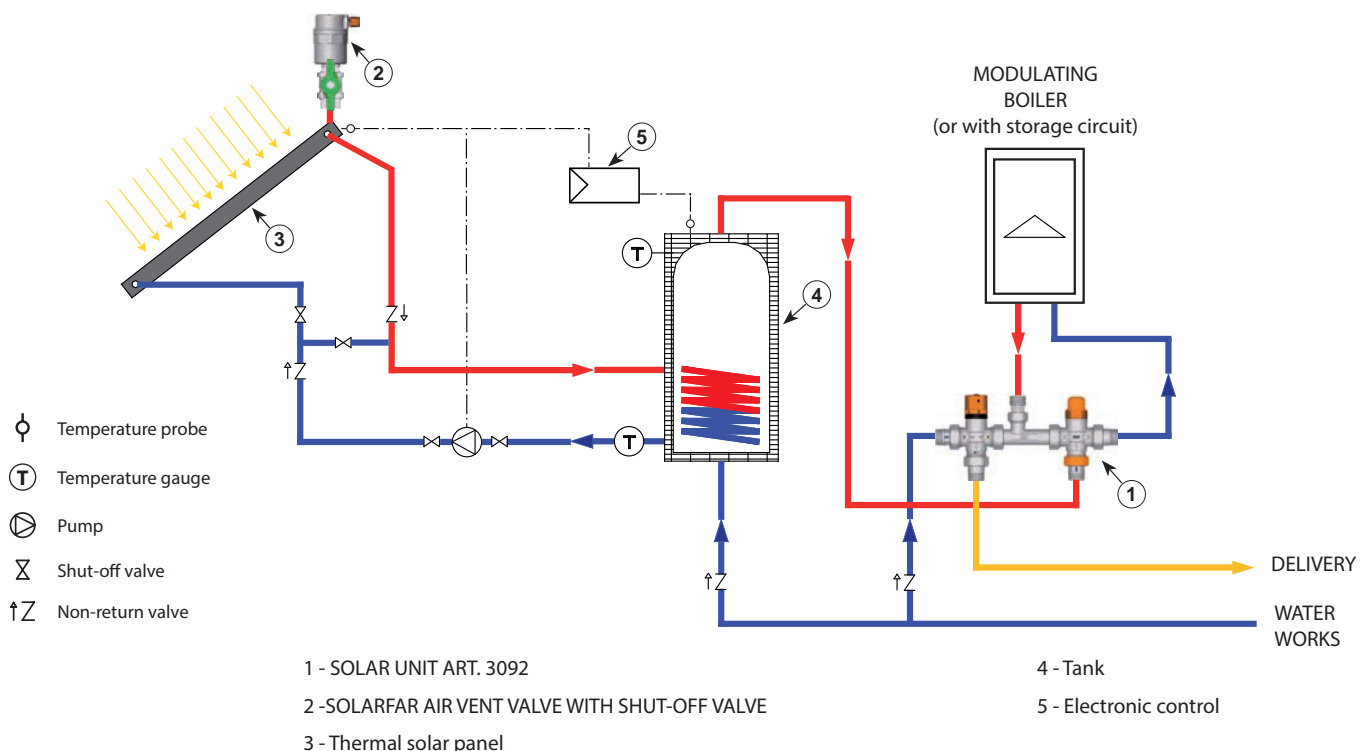
Water temperature produced by solar system < 45°C



SOLARFAR units allow the use of a solar thermal system in combination with a boiler. When the temperature of the water in the solar storage-tank exceeds the set value (45°C), the thermostatic diverter will direct the flow to the thermostatic mixer, making it available to users. If the stored water temperature falls below the set value (45°C), the diverter will re-direct the water to the boiler, which heats the water to the desired temperature.

Installation overview of art. 3092.

With thermal integration - Solar system with forced circulation and modulating boiler with integration



Automatic air vent valve with lateral purge for solar systems.

- Body made of CW617N stamped brass
- Connection: 3/8" - 1/2" M
- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 160°C



ART. 2042

Code	size	€	box	pack
2042 38	3/8"	14,64	10	100
2042 12	1/2"	15,57	10	100

Deaerator for solar systems.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Lower connection: 1/2" with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 160°C



ART. 2252

Code	size	€	box	pack
2252 34	3/4"	114,73	1	6
2252 1	1"	120,79	1	6
2252 114	1"1/4	134,36	1	6
2252 112	1"1/2	150,99	1	6
2252 2	2"	163,91	1	6

Chrome-plated pressure and temperature relief valve for solar systems.

- Set pressure: 6 - 7 - 10 bar
- Inlet: 1/2" - 3/4" male
- Outlet: 1/2" - 3/4" female
- Max. temperature: 125°C
- Working temperature: 92 ± 3°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2009

Code	bar	size	€	box	pack
2009 121260	6	1/2"x1/2"	53,36	1	-
2009 121270	7	1/2"x1/2"	53,36	1	-
2009 121200	10	1/2"x1/2"	53,36	1	-
2009 343460	6	3/4"x3/4"	57,91	1	-
2009 343470	7	3/4"x3/4"	57,91	1	-
2009 343400	10	3/4"x3/4"	57,91	1	-

Automatic air vent valve with lateral purge for high pressures.

- Body made of CB753S brass
- Connection: 1/2" M
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 160°C



ART. 2068

Code	size	€	box	pack
2068 12	1/2"	55,24	1	25



Ball valve for solar systems.

- Body and ball made of CW617N brass
- Max. temperature: 200°C
- Nominal pressure: 10 bar

For correct system operation it is recommended to close the ball valve placed before the air vent valve when filling operations are complete

ART. 3033

Code	size	€	box	pack
3033 12	1/2"	21,96	1	-

Chrome-plated safety valve for solar systems.

- Set pressure: 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 - 10 bar
- Inlet: 1/2" female
- Outlet: 3/4" female
- Max. temperature: 160°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2006

Code	bar	size	€	box	pack
2006 123425	2,5	1/2"x3/4"	15,65	10	100
2006 123430	3	1/2"x3/4"	15,65	10	100
2006 123435	3,5	1/2"x3/4"	15,65	10	100
2006 123440	4	1/2"x3/4"	15,65	10	100
2006 123450	5	1/2"x3/4"	15,65	10	100
2006 123460	6	1/2"x3/4"	15,65	10	100
2006 123470	7	1/2"x3/4"	15,65	10	100
2006 123480	8	1/2"x3/4"	15,65	10	100
2006 123400	10	1/2"x3/4"	15,65	10	100

Male fitting complete with sealing kit for solar systems.

- Max. working temperature: 160°C
- Suitable for connection to copper and steel pipelines

**ART. 5870**

Code	size	Ø pipe	€	box	pack
5870 3415	3/4"	15	10,07	25	250
5870 3416	3/4"	16	10,07	25	250
5870 3418	3/4"	18	10,41	25	250
5870 3422	3/4"	22	10,91	25	250
5870 122	1"	22	12,77	25	250

Female fitting complete with sealing kit for solar systems.

- Max. working temperature: 160°C
- Suitable for connection to copper and steel pipelines

**ART. 5872**

Code	size	Ø pipe	€	box	pack
5872 3415	3/4"	15	10,07	25	250
5872 3416	3/4"	16	10,07	25	250
5872 3418	3/4"	18	10,41	25	250
5872 3422	3/4"	22	10,91	25	250
5872 122	1"	22	12,77	25	250

Double fitting complete with sealing kit for solar systems.

- Max. working temperature: 160°C
- Suitable for connection to copper and steel pipelines

**ART. 5874**

Code	Ø pipe	€	box	pack
5874 1215	15	14,73	25	250
5874 1216	16	14,73	25	250
5874 1218	18	15,09	25	250
5874 3422	22	18,24	25	250

Male elbow complete with sealing kit for solar systems.

- Max. working temperature: 160°C
- Suitable for connection to copper and steel pipelines

**ART. 5876**

Code	size	Ø pipe	€	box	pack
5876 3415	3/4"	15	11,13	25	250
5876 3416	3/4"	16	11,13	25	250
5876 3418	3/4"	18	11,47	25	250
5876 3422	3/4"	22	14,05	20	200
5876 122	1"	22	15,88	20	200

Female elbow complete with sealing kit for solar systems.

- Max. working temperature: 160°C
- Suitable for connection to copper and steel pipelines

**ART. 5878**

Code	size	Ø pipe	€	box	pack
5878 3415	3/4"	15	11,13	25	250
5878 3416	3/4"	16	11,13	25	250
5878 3418	3/4"	18	11,47	25	250
5878 3422	3/4"	22	14,05	20	200
5878 122	1"	22	16,64	15	150

Double elbow complete with sealing kit for solar systems.

- Max. working temperature: 160°C
- Suitable for connection to copper and steel pipelines

**ART. 5880**

Code	Ø pipe	€	box	pack
5880 1215	15	16,59	25	250
5880 1216	16	16,59	25	250
5880 1218	18	16,95	25	250
5880 3422	22	21,51	10	100

Set point booster unit complete with:

- set point thermostatic mixer with 40 ÷ 75°C scale
 - high efficiency pump
 - shut-off valves
 - No.2 temperature gauges with 0 ÷ 80°C scale
 - PPE insulation
- Connections centre distance: 125 mm



ART. 2184

Code	size	pump	pump centre distance	€	box	pack
2184 1130EA	1"	electronic 1-7 m	130 mm	598,57	1	1
2184 1180E6	1"	electronic 1-6 m	180 mm	619,69	1	1
2184 1180EA	1"	electronic 1-8 m	180 mm	1.026,89	1	1

Automatic smoke damper.

- Equipped with chain and rod
- Setting range: 30 ÷ 100°C
- Position: horizontal or vertical
- Connection: 3/4"
- Chain range: 12mm / 10°C



ART. 3952

Code	size	€	box	pack
3952	3/4"	43,87	1	-

Anti-condensation valve for solid fuel heat generators

- Body made of CW617N and CB753S brass
- Connections: male complete with unions and gaskets
- Unions in CW617N brass with flat seat
- Sealing gaskets in EPDM
- Available settings: 45°C, 55°C, 60°C and 70°C with replaceable thermostatic sensor
- Spring in AISI302 stainless steel
- Max. inlet temperature: 100°C
- Max. pressure : 10bar
- For use as an anti-condensation valve or as a diverter valve



Spare sensor for anti-condensation valve.

- Art. 9400 anti-condensation valves $K_v = 3,9$ [m³/h]
- Art. 9401 anti-condensation valves $K_v = 11,3-12,2$ [m³/h]



ART. 9400-9401

Code	K_v [m ³ /h]	setting [°C]	€	box
9400 45	3,9	45	13,23	1
9400 55	3,9	55	13,23	1
9400 60	3,9	60	13,23	1
9400 70	3,9	70	13,23	1
9401 45	11,3-12,2	45	13,23	1
9401 55	11,3-12,2	55	13,23	1
9401 60	11,3-12,2	60	13,23	1
9401 70	11,3-12,2	70	13,23	1

ART. 3966

Code	size	K_v [m ³ /h]	setting [°C]	€	box	pack
3966 0145	3/4"	3,9	45	60,38	1	-
3966 0155	3/4"	3,9	55	60,38	1	-
3966 0160	3/4"	3,9	60	60,38	1	-
3966 0170	3/4"	3,9	70	60,38	1	-
3966 0245	1"	3,9	45	66,88	1	-
3966 0255	1"	3,9	55	66,88	1	-
3966 0260	1"	3,9	60	66,88	1	-
3966 0270	1"	3,9	70	66,88	1	-
3966 0345	1"	11,3	45	82,00	1	-
3966 0355	1"	11,3	55	82,00	1	-
3966 0360	1"	11,3	60	82,00	1	-
3966 0370	1"	11,3	70	82,00	1	-
3966 0445	1"1/4	12,2	45	93,27	1	-
3966 0455	1"1/4	12,2	55	93,27	1	-
3966 0460	1"1/4	12,2	60	93,27	1	-
3966 0470	1"1/4	12,2	70	93,27	1	-

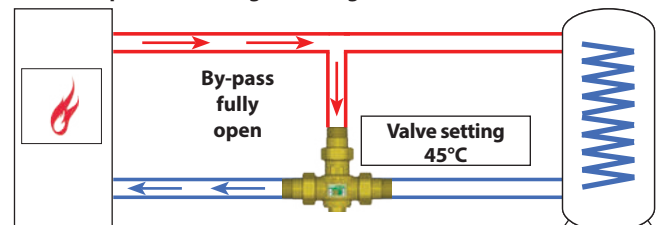
The anti-condensation valve, **Art. 3966**, independently regulates the temperature of the water returning from the hot water tank to the solid fuel heat generator, preventing condensation in the circuit and maintaining the correct operation of the generator.

If necessary, it can also be installed as a diverter valve to regulate the passage of water between the heat generator and the tank to maintain the set-point temperature.

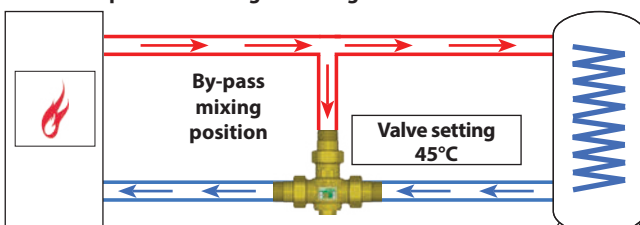
FUNCTIONING

The schemes below show the water flow in the circuit section from the heat generator to the tank. According to the temperature variations detected by the thermostatic sensor (set at 45°C), the valve adjusts the by-pass opening and closing, by means of a shutter.

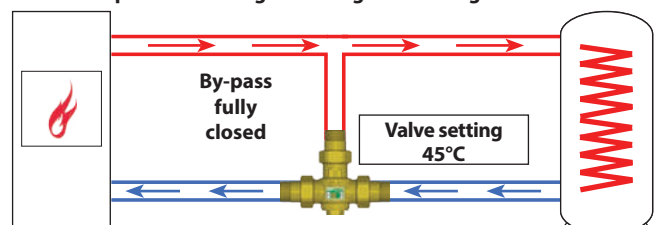
1- Water temperature coming from the generator : less than 45°



2- Water temperature coming from the generator: close to 45°



3- Water temperature coming from the generator: higher than 55°C



PRESSFAR - Male fitting.

- Body made of brass
- Bush made of stainless steel
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4980

Code	size	Ø pipe	€	box	pack
49802501	3/4"	25x2,3	10,20	20	200
49803201	1"	32x2,9	14,63	10	100
49804002	1"	40x3,7	15,34	10	100
49804001	1"1/4	40x3,7	26,01	10	100
49805001	1"1/2	50x4,6	43,21	5	50
49806301	2"	63x5,8	63,41	4	40

PRESSFAR - Double fitting.

- Body made of brass
- Bush made of stainless steel
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4982

Code	Ø pipe	€	box	pack
49822501	25x2,3	11,82	20	200
49823201	32x2,9	15,52	10	100
49824001	40x3,7	25,79	5	50
49825001	50x4,6	41,22	5	50
49826301	63x5,8	80,34	3	30

PRESSFAR - Double 90° elbow.

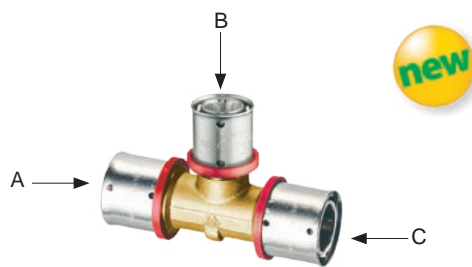
- Body made of brass
- Bush made of stainless steel
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4986

Code	Ø pipe	€	box	pack
49862501	25x2,3	13,20	10	100
49863201	32x2,9	17,18	10	80
49864001	40x3,7	28,75	5	50
49865001	50x4,6	50,90	4	40
49866301	63x5,8	95,34	2	20

PRESSFAR - "T" fitting with CENTRAL REDUCTION.

- Body made of brass
- Bush made of stainless steel
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4989

Code	Ø pipe			€	box	pack
	A	B	C			
49894002	40x3,7	32x2,9	40x3,7	47,20	20	200

PRESSFAR - Fitting with flat faced connection.

- Body made of brass
- Bush made of stainless steel
- Brass swiveling nut
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4999

Code	size	Ø pipe	€	box	pack
49992501	1"	25x2,3	16,38	20	200
49993201	1"	32x2,9	16,98	20	160
49994001	1"	40x3,7	22,05	20	160
49994002	1"1/4	40x3,7	24,50	20	160

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling nut.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- PRESSFAR connection
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws

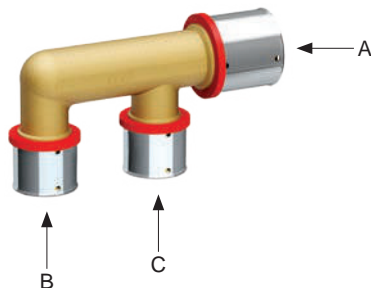


ART. 4944

Code	size	handle	Ø pipe	€	box	pack
49442501	1"	blue	25x2,3	25,48	5	50
49442502	1"	red	25x2,3	25,48	5	50
49443201	1"	blue	32x2,9	28,85	5	50
49443202	1"	red	32x2,9	28,85	5	50
49444001	1"	blue	40x3,7	33,19	5	50
49444002	1"	red	40x3,7	33,19	5	50

PRESSFAR - Fitting with double connection.

- Body made of brass
- Bush made of stainless steel
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws



ART. 4932



Code	Ø pipe			€	box	pack
	A	B	C			
49324001	40x3,7	32x2,9	32x2,9	40,17	1	

2-3 port brass modular manifold.

- Body made of CB752S brass
- Inlet: 2" male-female
- Outlets: 1" male
- Centre distance between ports: 100 mm



ART. 3616-3617

Code	outlets	size	€	box
3616 21	2 - 1"	2"	57,62	1
3617 21	3 - 1"	2"	82,90	1

Brass intermediate connection complete with manual air vent valve, temperature gauge and boiler drain cock.

- Size: 2" male- female
- Temperature scale: -30÷50°C



ART. 3451MG

Code	size	€	box
3451 MG2	2"	51,53	1



03

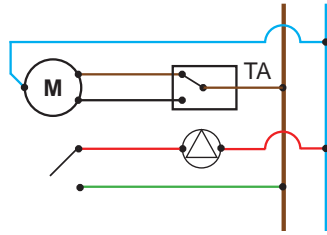
Zone valves and accessories

	page
Motorized zone valves with quick-coupling installation	97
SMALL actuators, ON-OFF version	99
1/2" - 3/4" - 1" - 1"1/4 motorized zone valves	100
1"1/2 - 2" motorized zone valves	106
Zone valves	108
Stop valves	110

3-POINT ACTUATORS ART.3070 AND ART.3071 FOR 1/2" -3/4"-1" VALVES WITH QUICK-COUPLING INSTALLATION



TERMINAL	NOT INCLUDED
WIRE	PROVIDED



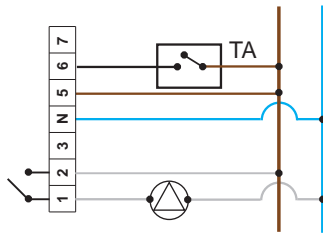
COLOUR CONNECTION

GREEN	Microswitch common contact
RED	N.O. of the microswitch
BLACK	Opening phase
BROWN	Closing phase
BLUE	Neutral

ACTUATORS ART.3001, 3002, 3005, 3006, 3007 AND 3008 FOR 1/2" -3/4"-1"-1"1/4 ZONE VALVES



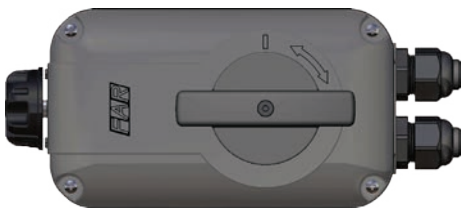
TERMINAL	INCLUDED
WIRE	PROVIDED



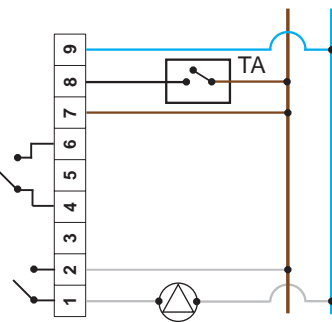
N° COLOUR CONNECTION

1	GREY	Microswitch common contact
2	WHITE	N.O. of the microswitch
3	-	Signal indicator Phase on terminal with open valve
4	BLUE	Neutral
5	BROWN	Phase
6	BLACK	With phase on black valve opens
7	-	Signal indicator Phase on terminal with closed valve

ACTUATORS ART.3039 AND ART.3040 FOR 1"1/2 - 2" ZONE VALVES



TERMINAL	INCLUDED
WIRE	PROVIDED



N° CONNECTION

1	Microswitch common contact
2	N.O. of the microswitch
3	-
4	Microswitch common contact
5	-
6	N.O. of the microswitch
7	Phase
8	With phase on terminal No. 8 valve opens
9	Neutral

3-WAY ZONE VALVES MODELS

<p>A ← AB → B</p>	<p>AB → A</p> <p>B</p>	<p>AB → A</p> <p>B</p>
<p>3-way diverter zone valve art. 3020-3021-3022</p>	<p>3-way zone valve with by-pass art. 3031-3032</p>	<p>3-way zone valve with by-pass Tee art. 3025 -3030</p>

3-point actuator with auxiliary microswitch for zone valves with quick-coupling installation.

- External connection cable length: 850 mm
- Feed voltage: 230V 50Hz
- Rotation angle: 90°
- Rotation time: 40s
- Protection level: IP44
- Open/Closed indicator



ART. 3070

Code	voltage	opening time	€	box	pack
3070	230 V	40 s	104,63	1	25

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 230 V actuator.

- Connections: male-male



ART. 307072

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307072 1	1"	25	25,6	40 s	140,52	1	10

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 230 V actuator.

- Connections: male-female



ART. 307074

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307074 1	1"	25	31,7	40 s	132,25	1	10

3-point actuator with auxiliary microswitch for zone valves with quick-coupling installation.

- External connection cable length: 850 mm
- Feed voltage: 24V 50Hz
- Rotation angle: 90°
- Rotation time: 40s
- Protection level: IP44
- Open/Closed indicator

ART. 3071

Code	voltage	opening time	€	box	pack
3071	24 V	40 s	113,81	1	25

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 24 V actuator.

- Connections: male-male

ART. 307172

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307172 1	1"	25	25,6	40 s	149,26	1	10

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 24 V actuator.

- Connections: male-female

ART. 307174

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307174 1	1"	25	31,7	40 s	140,94	1	10

The new motorized zone valves with quick-coupling installation allow the installation of the actuator in three simple steps with no need for tools:

1	Place the actuator on the stem of the zone valve	2	Lower the locking ring	3	Turn the ring clockwise up to the end of the stroke

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 230 V actuator.

- Connections: male-male



ART. 307075

Code	size	DN	Kv [m ³ /h]	opening time	€	box	pack
307075 12	1/2"	15	8,9	40 s	117,65	1	10
307075 34	3/4"	15	10,3	40 s	121,76	1	10
307075 1	1"	20	18,2	40 s	129,88	1	10

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 24 V actuator.

- Connections: male-male

ART. 307175

Code	size	DN	Kv [m ³ /h]	opening time	€	box	pack
307175 12	1/2"	15	8,9	40 s	126,01	1	10
307175 34	3/4"	15	10,3	40 s	130,10	1	10
307175 1	1"	20	18,2	40 s	138,22	1	10

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with 230 V actuator.

- Connections: male-female



ART. 307077

Code	size	DN	Kv [m ³ /h]	opening time	€	box	pack
307077 12	1/2"	15	8,4	40 s	114,36	1	10
307077 34	3/4"	15	11,3	40 s	116,42	1	10
307077 1	1"	20	22,6	40 s	123,99	1	10

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with 24 V actuator.

- Connections: male-female

ART. 307177

Code	size	DN	Kv [m ³ /h]	opening time	€	box	pack
307177 12	1/2"	15	8,4	40 s	122,72	1	10
307177 34	3/4"	15	11,3	40 s	124,77	1	10
307177 1	1"	20	22,6	40 s	132,35	1	10

Chrome-plated 3-way diverter zone control ball valve with quick-coupling installation equipped with unions, nuts and 230 V actuator.

- Connections: male-male



ART. 307080

Code	size	DN	Kv [m ³ /h]	opening time	€	box	pack
307080 12	1/2"	15	4,9	40 s	123,26	1	10
307080 34	3/4"	15	5,3	40 s	129,42	1	10
307080 1	1"	20	9	40 s	139,58	1	10

Chrome-plated 3-way diverter zone control ball valve with quick-coupling installation equipped with unions, nuts and 24 V actuator.

- Connections: male-male

ART. 307180

Code	size	DN	Kv [m ³ /h]	opening time	€	box	pack
307180 12	1/2"	15	4,9	40 s	131,61	1	10
307180 34	3/4"	15	5,3	40 s	137,77	1	10
307180 1	1"	20	9	40 s	147,93	1	10

Chrome-plated 3-way diverter zone control ball valve with quick-coupling installation equipped with unions, nuts and 230 V actuator.

- Connections: male-female



ART. 307082

Code	size	DN	Kv [m ³ /h]	opening time	€	box	pack
307082 12	1/2"	15	4,2	40 s	119,86	1	10
307082 34	3/4"	15	4,8	40 s	123,90	1	10
307082 1	1"	20	9,1	40 s	133,52	1	10

Chrome-plated 3-way diverter zone control ball valve with quick-coupling installation equipped with unions, nuts and 24 V actuator.

- Connections: male-female

ART. 307182

Code	size	DN	Kv [m ³ /h]	opening time	€	box	pack
307182 12	1/2"	15	4,2	40 s	128,22	1	10
307182 34	3/4"	15	4,8	40 s	132,25	1	10
307182 1	1"	20	9,1	40 s	141,87	1	10

SMALL - Actuator with relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Feed voltage: 230 V 50 Hz
- Rotation angle: 90°
- Rotation time: 40 seconds
- Protection level: IP54


ART. 3001

Code	voltage	opening time	€	box	pack
3001 40	230 V	40 s	139,86	1	30

SMALL - Actuator with manual release, relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Feed voltage: 230 V 50 Hz
- Rotation angle: 90°
- Rotation time: 40 seconds
- Protection level: IP54


ART. 3005

Code	voltage	opening time	€	box	pack
3005 40	230 V	40 s	155,07	1	30

SMALL - Actuator with manual release, relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Feed voltage: 230 V 50 Hz
- Rotation angle: 90°
- Rotation time: 8 seconds
- Protection level: IP54


ART. 3007

Code	voltage	opening time	€	box	pack
3007 08	230 V	8 s	183,90	1	30

Anti-condensation insulation for SMALL actuators (ART. 3001-3002-3005-3006-3007-3008) for cooling systems.


ART. 3009

Code	height/mm	€	box
3009 40	40	20,99	1
3009 100	100	34,33	1

SMALL - Actuator with relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Feed voltage: 24 V 50 Hz
- Rotation angle: 90°
- Rotation time: 40 seconds
- Protection level: IP54

ART. 3002

Code	voltage	opening time	€	box	pack
3002 40	24 V	40 s	139,86	1	30

SMALL - Actuator with manual release, relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Feed voltage: 24 V 50 Hz
- Rotation angle: 90°
- Rotation time: 40 seconds
- Protection level: IP54

ART. 3006

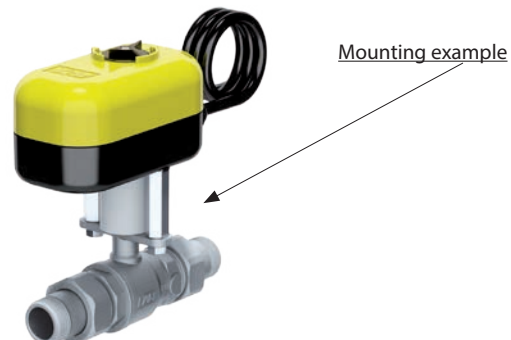
Code	voltage	opening time	€	box	pack
3006 40	24 V	40 s	155,07	1	30

SMALL - Actuator with manual release, relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Feed voltage: 24 V 50 Hz
- Rotation angle: 90°
- Rotation time: 8 seconds
- Protection level: IP54

ART. 3008

Code	voltage	opening time	€	box	pack
3008 08	24 V	8 s	183,90	1	30



Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 230 V actuator.

- Connections: male-male
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 24 V actuator.

- Connections: male-male
- Full bore flow

ART. 300115



Code	size	Kv [m ³ /h]	opening time	€	box	pack
300115 1240	1/2"	7,1	40 s	157,70	1	12
300115 3440	3/4"	16,8	40 s	165,37	1	12
300115 140	1"	25,6	40 s	173,97	1	12
300115 11440	1"1/4	55,2	40 s	192,08	1	12

ART. 300215

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300215 1240	1/2"	7,1	40 s	157,70	1	12
300215 3440	3/4"	16,8	40 s	165,37	1	12
300215 140	1"	25,6	40 s	173,97	1	12
300215 11440	1"1/4	55,2	40 s	192,08	1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator.

- Connections: female-female
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with 24 V actuator.

- Connections: female-female
- Full bore flow

ART. 300116



Code	size	Kv [m ³ /h]	opening time	€	box	pack
300116 1240	1/2"	12,6	40 s	154,72	1	12
300116 3440	3/4"	17,5	40 s	159,67	1	12
300116 140	1"	40,2	40 s	165,12	1	12

ART. 300216

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300216 1240	1/2"	12,6	40 s	154,72	1	12
300216 3440	3/4"	17,5	40 s	159,67	1	12
300216 140	1"	40,2	40 s	165,12	1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator.

- Connections: male-female
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with 24 V actuator.

- Connections: male-female
- Full bore flow

ART. 300117



Code	size	Kv [m ³ /h]	opening time	€	box	pack
300117 1240	1/2"	9	40 s	156,56	1	12
300117 3440	3/4"	16,7	40 s	162,84	1	12
300117 140	1"	31,7	40 s	169,82	1	12
300117 11440	1"1/4	68	40 s	184,60	1	12

ART. 300217

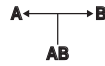
Code	size	Kv [m ³ /h]	opening time	€	box	pack
300217 1240	1/2"	9	40 s	156,56	1	12
300217 3440	3/4"	16,7	40 s	162,84	1	12
300217 140	1"	31,7	40 s	169,82	1	12
300217 11440	1"1/4	68	40 s	184,60	1	12

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator.

- Connections: male-male
- Full bore flow


ART. 300120

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300120 1240	1/2"	4,5	40 s	165,89	1	12
300120 3440	3/4"	9,9	40 s	173,48	1	12
300120 140	1"	13,7	40 s	184,51	1	12
300120 11440	1"1/4	25,5	40 s	203,54	1	12



Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator.

- Connections: male-male
- Full bore flow

ART. 300220

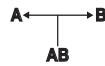
Code	size	Kv [m ³ /h]	opening time	€	box	pack
300220 1240	1/2"	4,5	40 s	165,89	1	12
300220 3440	3/4"	9,9	40 s	173,48	1	12
300220 140	1"	13,7	40 s	184,51	1	12
300220 11440	1"1/4	25,5	40 s	203,54	1	12

Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator.

- Connections: female-female
- Full bore flow


ART. 300121

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300121 1240	1/2"	5	40 s	161,39	1	12
300121 3440	3/4"	9,2	40 s	166,47	1	12
300121 140	1"	14,2	40 s	174,92	1	12



Chrome-plated 3-way diverter zone control ball valve equipped with 24V actuator.

- Connections: female-female
- Full bore flow

ART. 300221

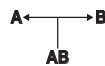
Code	size	Kv [m ³ /h]	opening time	€	box	pack
300221 1240	1/2"	5	40 s	161,39	1	12
300221 3440	3/4"	9,2	40 s	166,47	1	12
300221 140	1"	14,2	40 s	174,92	1	12

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator.

- Connections: male-female
- Full bore flow


ART. 300122

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300122 1240	1/2"	5	40 s	163,55	1	12
300122 3440	3/4"	9,2	40 s	169,59	1	12
300122 140	1"	14,2	40 s	179,64	1	12
300122 11440	1"1/4	24,5	40 s	198,42	1	12



Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator.

- Connections: male-female
- Full bore flow

ART. 300222

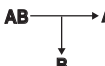
Code	size	Kv [m ³ /h]	opening time	€	box	pack
300222 1240	1/2"	5	40 s	163,55	1	12
300222 3440	3/4"	9,2	40 s	169,59	1	12
300222 140	1"	14,2	40 s	179,64	1	12
300222 11440	1"1/4	24,5	40 s	198,42	1	12

Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 230 V actuator.

- Connections: male-male
- Full bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only


ART. 300125

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300125 3440	3/4"	16,8	40 s	184,36	1	12
300125 140	1"	25,6	40 s	199,59	1	12



Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 24 V actuator.

- Connections: male-male
- Full bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only

ART. 300225

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300225 3440	3/4"	16,8	40 s	184,36	1	12
300225 140	1"	25,6	40 s	199,59	1	12

Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow

ART. 300515



Code	size	Kv [m ³ /h]	opening time	€	box	pack
300515 1240	1/2"	7,1	40 s	168,83	1	12
300515 3440	3/4"	16,8	40 s	176,82	1	12
300515 140	1"	25,6	40 s	187,01	1	12
300515 11440	1"1/4	55,2	40 s	203,05	1	12

ART. 300615

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300615 1240	1/2"	7,1	40 s	168,83	1	12
300615 3440	3/4"	16,8	40 s	176,82	1	12
300615 140	1"	25,6	40 s	187,01	1	12
300615 11440	1"1/4	55,2	40 s	203,05	1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with 24 V actuator with manual release.

- Connections: female-female
- Full bore flow

ART. 300516



Code	size	Kv [m ³ /h]	opening time	€	box	pack
300516 1240	1/2"	12,6	40 s	165,24	1	12
300516 3440	3/4"	17,5	40 s	170,32	1	12
300516 140	1"	40,2	40 s	177,14	1	12

ART. 300616

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300616 1240	1/2"	12,6	40 s	165,24	1	12
300616 3440	3/4"	17,5	40 s	170,32	1	12
300616 140	1"	40,2	40 s	177,14	1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.

- Connections: male-female
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with 24 V actuator with manual release.

- Connections: male-female
- Full bore flow

ART. 300517



Code	size	Kv [m ³ /h]	opening time	€	box	pack
300517 1240	1/2"	9	40 s	167,43	1	12
300517 3440	3/4"	16,7	40 s	173,96	1	12
300517 140	1"	31,7	40 s	182,46	1	12
300517 11440	1"1/4	68	40 s	195,72	1	12

ART. 300617

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300617 1240	1/2"	9	40 s	167,43	1	12
300617 3440	3/4"	16,7	40 s	173,96	1	12
300617 140	1"	31,7	40 s	182,46	1	12
300617 11440	1"1/4	68	40 s	195,72	1	12

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow

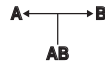


Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow

ART. 300520

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300520 1240	1/2"	4,5	40 s	177,06	1	12
300520 3440	3/4"	9,9	40 s	185,66	1	12
300520 140	1"	13,7	40 s	197,76	1	12
300520 11440	1 1/4"	25,5	40 s	214,30	1	12


ART. 300620

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300620 1240	1/2"	4,5	40 s	177,06	1	12
300620 3440	3/4"	9,9	40 s	185,66	1	12
300620 140	1"	13,7	40 s	197,76	1	12
300620 11440	1 1/4"	25,5	40 s	214,30	1	12

Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow

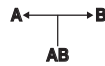


Chrome-plated 3-way diverter zone control ball valve equipped with 24 V actuator with manual release.

- Connections: female-female
- Full bore flow

ART. 300521

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300521 1240	1/2"	5	40 s	172,57	1	12
300521 3440	3/4"	9,2	40 s	177,93	1	12
300521 140	1"	14,2	40 s	187,09	1	12


ART. 300621

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300621 1240	1/2"	5	40 s	172,57	1	12
300621 3440	3/4"	9,2	40 s	177,93	1	12
300621 140	1"	14,2	40 s	187,09	1	12

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-female
- Full bore flow



Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-female
- Full bore flow

ART. 300522

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300522 1240	1/2"	5	40 s	174,75	1	12
300522 3440	3/4"	9,2	40 s	181,40	1	12
300522 140	1"	14,2	40 s	192,42	1	12
300522 11440	1 1/4"	24,5	40 s	209,23	1	12


ART. 300622

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300622 1240	1/2"	5	40 s	174,75	1	12
300622 3440	3/4"	9,2	40 s	181,40	1	12
300622 140	1"	14,2	40 s	192,42	1	12
300622 11440	1 1/4"	24,5	40 s	209,23	1	12

Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only

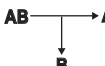


Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only

ART. 300525

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300525 3440	3/4"	16,8	40 s	197,17	1	12
300525 140	1"	25,6	40 s	214,41	1	12


ART. 300625

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300625 3440	3/4"	16,8	40 s	197,17	1	12
300625 140	1"	25,6	40 s	214,41	1	12

Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow



ART. 300715

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300715 1208	1/2"	7,1	8 s	193,75	1	12
300715 3408	3/4"	16,8	8 s	201,83	1	12
300715 108	1"	25,6	8 s	211,94	1	12
300715 11408	1"1/4	55,2	8 s	227,83	1	12



ART. 300815

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300815 1208	1/2"	7,1	8 s	193,75	1	12
300815 3408	3/4"	16,8	8 s	201,83	1	12
300815 108	1"	25,6	8 s	211,94	1	12
300815 11408	1"1/4	55,2	8 s	227,83	1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow



ART. 300716

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300716 1208	1/2"	12,6	8 s	190,28	1	12
300716 3408	3/4"	17,5	8 s	195,22	1	12
300716 108	1"	40,2	8 s	202,09	1	12



ART. 300816

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300816 1208	1/2"	12,6	8 s	190,28	1	12
300816 3408	3/4"	17,5	8 s	195,22	1	12
300816 108	1"	40,2	8 s	202,09	1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.

- Connections: male-female
- Full bore flow



ART. 300717

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300717 1208	1/2"	9	8 s	192,45	1	12
300717 3408	3/4"	16,7	8 s	198,92	1	12
300717 108	1"	31,7	8 s	207,41	1	12
300717 11408	1"1/4	68	8 s	220,48	1	12



ART. 300817

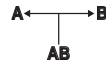
Code	size	Kv [m ³ /h]	opening time	€	box	pack
300817 1208	1/2"	9	8 s	192,45	1	12
300817 3408	3/4"	16,7	8 s	198,92	1	12
300817 108	1"	31,7	8 s	207,41	1	12
300817 11408	1"1/4	68	8 s	220,48	1	12

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow


ART. 300720

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300720 1208	1/2"	4,5	8 s	202,24	1	12
300720 3408	3/4"	9,9	8 s	210,48	1	12
300720 108	1"	13,7	8 s	222,19	1	12
300720 11408	1"1/4	25,5	8 s	239,02	1	12



Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow

ART. 300820

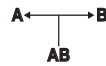
Code	size	Kv [m ³ /h]	opening time	€	box	pack
300820 1208	1/2"	4,5	8 s	202,24	1	12
300820 3408	3/4"	9,9	8 s	210,48	1	12
300820 108	1"	13,7	8 s	222,19	1	12
300820 11408	1"1/4	25,5	8 s	239,02	1	12

Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow


ART. 300721

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300721 1208	1/2"	5	8 s	197,73	1	12
300721 3408	3/4"	9,2	8 s	202,64	1	12
300721 108	1"	14,2	8 s	211,47	1	12



Chrome-plated 3-way diverter zone control ball valve equipped with 24 V actuator with manual release.

- Connections: female-female
- Full bore flow

ART. 300821

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300821 1208	1/2"	5	8 s	197,73	1	12
300821 3408	3/4"	9,2	8 s	202,64	1	12
300821 108	1"	14,2	8 s	211,47	1	12

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-female
- Full bore flow


ART. 300722

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300722 1208	1/2"	5	8 s	199,89	1	12
300722 3408	3/4"	9,2	8 s	206,15	1	12
300722 108	1"	14,2	8 s	216,83	1	12
300722 11408	1"1/4	24,5	8 s	233,97	1	12



Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-female
- Full bore flow

ART. 300822

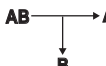
Code	size	Kv [m ³ /h]	opening time	€	box	pack
300822 1208	1/2"	5	8 s	199,89	1	12
300822 3408	3/4"	9,2	8 s	206,15	1	12
300822 108	1"	14,2	8 s	216,83	1	12
300822 11408	1"1/4	24,5	8 s	233,97	1	12

Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only


ART. 300725

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300725 3408	3/4"	16,8	8 s	222,34	1	12
300725 108	1"	25,6	8 s	239,38	1	12



Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only

ART. 300825

Code	size	Kv [m ³ /h]	opening time	€	box	pack
300825 3408	3/4"	16,8	8 s	222,34	1	12
300825 108	1"	25,6	8 s	239,38	1	12

Actuator with ISO 5211 connection for 1"1/2 and 2" zone valves.
Suitable also for installation on all FAR zone valves from 1/2" up to 1"1/4.

- Feed voltage 230V 50Hz - 24V 50Hz
- Protection level: IP65
- Manual release with automatic reset
- Opening/closing time: 30s - 80s
- Double cable: PG11
- Max. torque: 35Nm
- No. 2 auxiliary microswitch

**ART. 3039**

Code	voltage	opening time	€	box	pack
3039 80	230 V	80 s	263,69	1	-
3039 30	230 V	30 s	270,97	1	-

ART. 3040

Code	voltage	opening time	€	box	pack
3040 80	24 V	80 s	263,69	1	-
3040 30	24 v	30 s	270,97	1	-

Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow

ART. 303915

Code	size	Kv [m ³ /h]	opening time	€	box	pack
303915 11280	1"1/2	79,4	80 s	374,16	1	-
303915 280	2"	136,2	80 s	418,93	1	-
303915 11230	1"1/2	79,4	30 s	380,78	1	-
303915 230	2"	136,2	30 s	425,57	1	-

ART. 304015

Code	size	Kv [m ³ /h]	opening time	€	box	pack
304015 11280	1"1/2	79,4	80 s	374,16	1	-
304015 280	2"	136,2	80 s	418,93	1	-
304015 11230	1"1/2	79,4	30 s	380,78	1	-
304015 230	2"	136,2	30 s	425,57	1	-

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with 24 V actuator with manual release.

- Connections: female-female
- Full bore flow

ART. 303916

Code	size	Kv [m ³ /h]	opening time	€	box	pack
303916 11280	1"1/2	79,4	80 s	331,91	1	-
303916 280	2"	136,2	80 s	356,85	1	-
303916 11230	1"1/2	79,4	30 s	338,55	1	-
303916 230	2"	136,2	30 s	363,47	1	-

ART. 304016

Code	size	Kv [m ³ /h]	opening time	€	box	pack
304016 11280	1"1/2	79,4	80 s	331,91	1	-
304016 280	2"	136,2	80 s	356,85	1	-
304016 11230	1"1/2	79,4	30 s	338,55	1	-
304016 230	2"	136,2	30 s	363,47	1	-

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.

- Connections: male-female
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with 24 V actuator with manual release.

- Connections: male-female
- Full bore flow

ART. 303917

Code	size	Kv [m ³ /h]	opening time	€	box	pack
303917 11280	1"1/2	79,4	80 s	353,03	1	-
303917 280	2"	136,2	80 s	387,90	1	-
303917 11230	1"1/2	79,4	30 s	359,66	1	-
303917 230	2"	136,2	30 s	394,53	1	-

ART. 304017

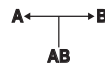
Code	size	Kv [m ³ /h]	opening time	€	box	pack
304017 11280	1"1/2	79,4	80 s	353,03	1	-
304017 280	2"	136,2	80 s	387,90	1	-
304017 11230	1"1/2	79,4	30 s	359,66	1	-
304017 230	2"	136,2	30 s	394,53	1	-

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow


ART. 303920

Code	size	Kv [m ³ /h]	opening time	€	box	pack
303920 11280	1"1/2	40,8	80 s	416,08	1	-
303920 280	2"	64,8	80 s	490,10	1	-
303920 11230	1"1/2	40,8	30 s	422,71	1	-
303920 230	2"	64,8	30 s	496,74	1	-



Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow

ART. 304020

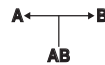
Code	size	Kv [m ³ /h]	opening time	€	box	pack
304020 11280	1"1/2	40,8	80 s	416,08	1	-
304020 280	2"	64,8	80 s	490,10	1	-
304020 11230	1"1/2	40,8	30 s	422,71	1	-
304020 230	2"	64,8	30 s	496,74	1	-

Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow


ART. 303921

Code	size	Kv [m ³ /h]	opening time	€	box	pack
303921 11280	1"1/2	40,8	80 s	373,82	1	-
303921 280	2"	64,8	80 s	428,03	1	-
303921 11230	1"1/2	40,8	30 s	380,47	1	-
303921 230	2"	64,8	30 s	434,65	1	-



Chrome-plated 3-way diverter zone control ball valve equipped with 24 V actuator with manual release.

- Connections: female-female
- Full bore flow

ART. 304021

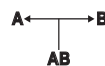
Code	size	Kv [m ³ /h]	opening time	€	box	pack
304021 11280	1"1/2	40,8	80 s	373,82	1	-
304021 280	2"	64,8	80 s	428,03	1	-
304021 11230	1"1/2	40,8	30 s	380,47	1	-
304021 230	2"	64,8	30 s	434,65	1	-

Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator with manual release.

- Connections: male-female
- Full bore flow


ART. 303922

Code	size	Kv [m ³ /h]	opening time	€	box	pack
303922 11280	1"1/2	40,8	80 s	394,96	1	-
303922 280	2"	64,8	80 s	459,08	1	-
303922 11230	1"1/2	40,8	30 s	401,58	1	-
303922 230	2"	64,8	30 s	465,71	1	-



Chrome-plated 3-way diverter zone control ball valve equipped with 24 V actuator with manual release.

- Connections: male-female
- Full bore flow

ART. 304022

Code	size	Kv [m ³ /h]	opening time	€	box	pack
304022 11280	1"1/2	40,8	80 s	394,96	1	-
304022 280	2"	64,8	80 s	459,08	1	-
304022 11230	1"1/2	40,8	30 s	401,58	1	-
304022 230	2"	64,8	30 s	465,71	1	-

Anti-condensation insulation for art. 3039-3040 for cooling systems.


ART. 3042

Code	height/mm	€	box
3042 100	100	21,62	1



Adapter for actuators installation (ART. 3039-3040) on 1/2"-3/4"-1"-1"1/4 zone valves.


ART. 8978

Code	€	box
8978	18,57	1

Chrome-plated 2-way zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male-male
- Full bore flow



ART. 3015

Code	size	Kv [m ³ /h]	€	box	pack
3015 12	1/2"	7,1	31,07	1	-
3015 34	3/4"	16,8	36,67	1	-
3015 1	1"	25,6	54,28	1	-
3015 114	1"1/4	55,2	80,02	1	-

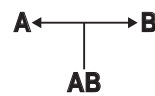
Chrome-plated 3-way diverter zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male-male
- Full bore flow



ART. 3020

Code	size	Kv [m ³ /h]	€	box	pack
3020 12	1/2"	4,5	42,40	1	-
3020 34	3/4"	9,9	65,30	1	-
3020 1	1"	13,7	85,50	1	-
3020 114	1"1/4	25,5	96,62	1	-



Chrome-plated 2-way zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: female-female
- Full bore flow



ART. 3016

Code	size	Kv [m ³ /h]	€	box	pack
3016 12	1/2"	12,6	24,50	1	-
3016 34	3/4"	17,5	27,58	1	-
3016 1	1"	40,2	39,00	1	-

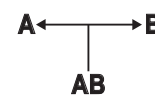
Chrome-plated 3-way diverter zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: female-female
- Full bore flow



ART. 3021

Code	size	Kv [m ³ /h]	€	box	pack
3021 12	1/2"	5	35,27	1	-
3021 34	3/4"	9,2	53,16	1	-
3021 1	1"	14,2	67,35	1	-



Chrome-plated 2-way zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male-female
- Full bore flow



ART. 3017

Code	size	Kv [m ³ /h]	€	box	pack
3017 12	1/2"	9	27,79	1	-
3017 34	3/4"	16,7	32,12	1	-
3017 1	1"	31,7	46,66	1	-
3017 114	1"1/4	68	69,26	1	-

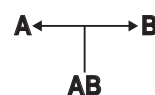
Chrome-plated 3-way diverter zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male-female
- Full bore flow



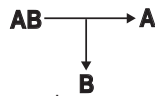
ART. 3022

Code	size	Kv [m ³ /h]	€	box	pack
3022 12	1/2"	5	38,69	1	-
3022 34	3/4"	9,2	59,30	1	-
3022 1	1"	14,2	76,53	1	-
3022 114	1"1/4	24,5	89,38	1	-



Chrome-plated 3-way zone valve with by-pass ball.

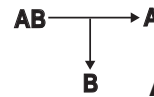
- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male
- AB-A Full bore flow
- AB-B Reduced bore flow


ART. 3032

Code	size	Kv [m ³ /h]	€	box	pack
3032 12	1/2"	7,1	42,40	1	-
3032 34	3/4"	16,8	65,30	1	-
3032 1	1"	25,6	85,50	1	-
3032 114	1"1/4	55,2	96,62	1	-

Chrome-plated 3-way zone valve with by-pass ball and 24x19 central connection.

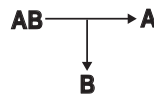
- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male
- AB-A Full bore flow
- AB-B Reduced bore flow


ART. 3031


Code	size	Kv [m ³ /h]	€	box	pack
3031 34	3/4"	16,8	63,89	1	-
3031 1	1"	25,6	91,45	1	-

Chrome-plated 3-way zone valve with by-pass Tee.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male
- Adjustable centre line between ports: from 52 mm to 63 mm
- AB-A Full bore flow
- AB-B Reduced bore flow


ART. 3025

Code	size	Kv [m ³ /h]	€	box	pack
3025 34	3/4"	16,8	90,91	1	-
3025 1	1"	25,6	129,84	1	-

Chrome-plated 3-way zone valve with by-pass Tee and 24x19 central connection.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male
- AB-A Full bore flow
- AB-B Reduced bore flow


ART. 3030


Code	size	Kv [m ³ /h]	€	box	pack
3030 34	3/4"	16,8	86,19	1	-
3030 1	1"	25,6	128,96	1	-

Chrome-plated Tee connection for zone valve, art. 3025.


ART. 3026

Code	size	€	box	pack
3026 34	3/4"	30,88	1	-
3026 1	1"	45,16	1	-

Chrome-plated Tee for copper connection for zone valve, art. 3030.


ART. 3027


Code	size	€	box	pack
3027 34	3/4"	23,97	1	-
3027 1	1"	40,07	1	-

2-way BRASS thermo-electric piston stop valve.

- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM sealing O-ring
- Tmax: 95°C
- Pmax: 10bar
- ΔPmax: 3bar
- Ring and handle: ABS plastic
- Connections: 1/2"-3/4"-1" male



ART. 3087



Code	size	Kv [m³/h]	€	box	pack
3087 12	1/2"	1,88	13,67	1	50
3087 34	3/4"	2,50	14,61	1	50
3087 1	1"	3,50	17,23	1	50

2-way BRASS thermo-electric piston stop valve.

- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM Sealing O-ring
- Tmax: 95°C
- Pmax: 10bar
- ΔPmax: 3bar
- Ring and handle: ABS plastic
- Connections: 1/2"-3/4" female



ART. 3088



Code	size	Kv [m³/h]	€	box	pack
3088 12	1/2"	2,37	14,61	1	50
3088 34	3/4"	3,50	17,23	1	50

ACCESSORIES:

Brass connection fitting with swiveling nut.

- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N forged brass

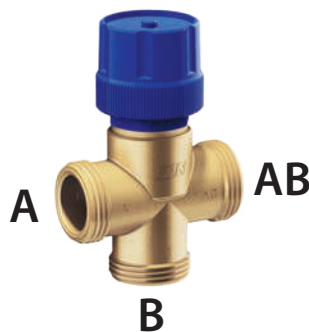


ART. 8313

Code	size	€	box
8313 12	1/2"x 1/2"	4,01	1
8313 134	1"x 3/4"	5,86	1
8313 1	1"x 1"	7,65	1

3-way BRASS thermo-electric piston valve.

- Functioning: diverter or mixing
- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM sealing O-ring
- Tmax: 95°C
- Pmax: 16bar
- ΔPmax: 1,5bar
- Ring and handle: ABS plastic
- Connections: 1/2"-3/4"-1" male

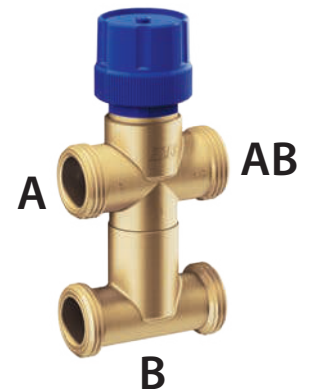


ART. 3086

Code	size	Kv AB-A [m³/h]	Kv AB-B [m³/h]	€	box	pack
3086 12	1/2"	1,85	2,00	17,65	1	-
3086 34	3/4"	2,40	3,10	18,76	1	-
3086 1	1"	3,30	3,20	21,31	1	-

4-way BRASS thermo-electric piston valve.

- Functioning: diverter or mixing
- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM sealing O-ring
- Tmax: 95°C
- Pmax: 16bar
- ΔPmax: 1,5bar
- Ring and handle: ABS plastic
- Connections: 1/2"-3/4"-1" male



ART. 3089

Code	size	Kv AB-A [m³/h]	Kv AB-B [m³/h]	€	box	pack
3089 12	1/2"	1,74	1,72	23,26	1	-
3089 34	3/4"	2,56	1,87	24,39	1	-

2-way BRASS stop and balancing thermo-electric piston valve.

- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM sealing O-ring
- Tmax: 95°C
- Pmax: 10bar
- ΔPmax: 3bar
- Ring and handle: ABS
- Numbered ring for setting
- Regulation key
- **Connections: 3/4"-1" male**
- **Side connections for probe**


ART. 3085

Code	size	Kv [m ³ /h]	€	box	pack
3085 34	3/4"	2,35	24,80	1	50
3085 1	1"	3,10	26,80	1	50

2 wired thermo-electric actuator provided with selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection level: IP54



- NC = NORMALLY CLOSED
- NA = NORMALLY OPEN

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1909-1919-1929-1939

Code	voltage	opening time	type	€	box	pack
1909	24 V	180 s	NC	36,74	1	100
1919	230 V	180 s	NC	36,74	1	100
1929	24 V	180 s	NA	36,74	1	100
1939	230 V	180 s	NA	36,74	1	100

Proportional actuator for piston valves.

- Voltage: 24V
- Control operation: 0-10V
- Degree of protection: IP54

ART. 1911


Code	voltage	€	box
1911	24 V	150,14	1



Proportional actuator for piston valves.

- Voltage: 230V
- Control operation: 3-Point
- Degree of protection: IP54

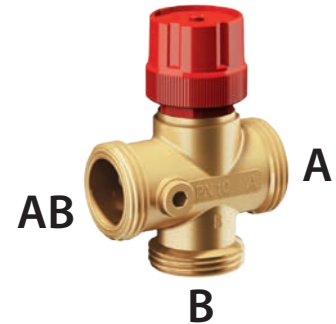
ART. 1921


Code	voltage	€	box
1921	230 V	132,10	1



3-way BRASS thermo-electric piston valve.

- Functioning: diverter or mixing
- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM sealing O-ring
- Tmax: 95°C
- Pmax: 16bar
- ΔPmax: 1,5bar
- Ring and handle: ABS
- Numbered ring for setting
- Regulation key
- **Connections: 1" male**
- **Side connections for probe**


ART. 3094

Code	size	Kv AB-A [m ³ /h]	Kv AB-B [m ³ /h]	€	box	pack
3094 1	1"	3,00	3,00	27,44	1	-

4 wired thermo-electric actuator with auxiliary micro-switch and selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection level: IP54



- NC = NORMALLY CLOSED

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1914-1924-1913-1923

Code	voltage	opening time	type	€	box	pack
1914	24 V	180 s	NC	39,52	1	100
1924	230 V	180 s	NC	39,52	1	100
1913	24 V	90 s	NC	42,54	1	100
1923	230 V	90 s	NC	42,54	1	100

Thermo-electric proportional actuator for piston valves.

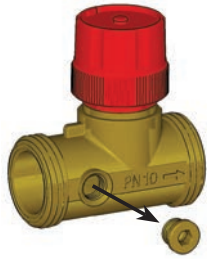
- Voltage: 24V
- Control operation: 0-10V
- Degree of protection: IP54

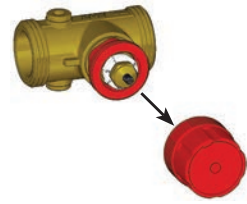

ART. 1912


Code	voltage	€	box
1912	24 V	90,15	1

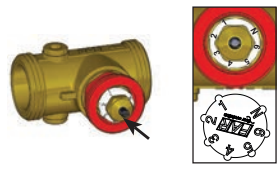
The stop valves control the circuit opening and closing by means of a thermo-electric actuator. The valves Art. 3085 and Art. 3094 are equipped with a PRESETTING system, which allows the water flow to be divided by means of a shaped body. The valve can be set by removing the handle and rotating the body up to the preset design position (from 1 to 6).

The valve sides (Art. 3085 and Art. 3094) have plugs for the installation of the seating for the temperature probe.

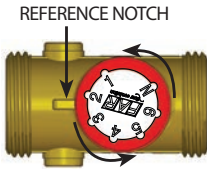




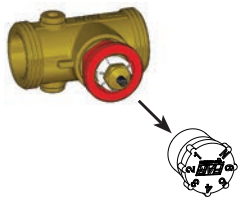
1. Completely unscrew the handle by turning it counter clockwise.



2. Insert the regulating key included in the package by matching the letter N on the key with the one on the valve.



3. Turn the key clockwise or counter clockwise, moving it to the designed value up to the set point.



4. Remove the key and replace the handle or the thermostatic head.

The stop valves control the circuit opening and closing by means of a thermo-electric actuator.

The shut-off valves are suitable for the installation of the FAR thermo-electric actuators:

2 wiring ON/OFF thermo-electric actuators:

Art. 1909	24V	180 s	NC*
Art. 1919	230V	180 s	NC*
Art. 1929	24V	180 s	NA*
Art. 1939	230V	180 s	NA*

4 wiring ON/OFF thermo-electric actuators with auxiliary micro-switch:

Art. 1914	24V	180 s	NC*
Art. 1924	230V	180 s	NC*
Art. 1913	24V	90 s	NC*
Art. 1923	230V	90 s	NC*

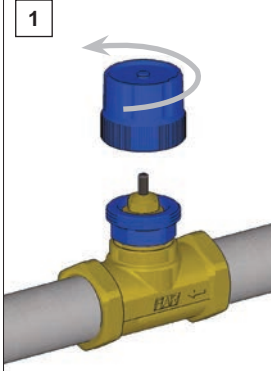
*NC: normally closed

*NA: normally open

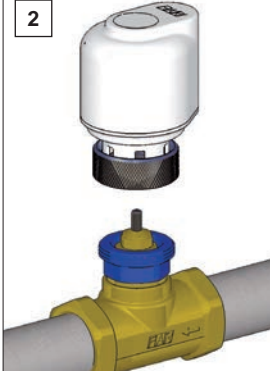
THERMO-ELECTRIC ACTUATOR INSTALLATION

- 1- Unscrew the handle
- 2- Position the actuator on the valve
- 3- Screw the actuator locking ring

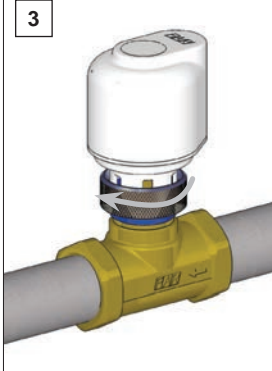
1



2



3





In order to install the actuators **art.1911-1912-1921** on piston valves, remove the manual handle from the valve and screw the appropriate adapter included in the package. Then place the actuator over the adapter and press down until it engages.

N.B. At the first electrical connection, the actuators will perform a complete stroke before being operating.





04

Thermo-electric manifolds and spare parts

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FAR thermo-electric manifolds are suitable for flow distribution within heating and cooling systems.

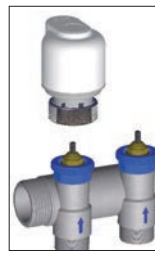
They are available in 1", 1"1/4 and 1"1/2 sizes.

MANIFOLDS SUITABLE FOR THERMO-ELECTRIC ACTUATORS – RETURN CIRCUIT



The special shape of FAR manifolds facilitates high flow rates by reducing flow resistance.

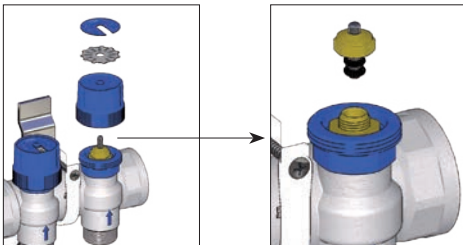
This special feature permits optimum choice of manifold diameter in relation to the number of circuits to be connected.



Thermo-electric actuator installation

Screw the thermo-electric actuator by hand and tighten the ring.

Do not use plumbing wrenches, tongs or other similar tools.



The return manifold is equipped with a blue handle and two silk-screen printed discs for circuit identification.

A thermo-electric actuator can be fixed to the manifold once the blue handle is removed.

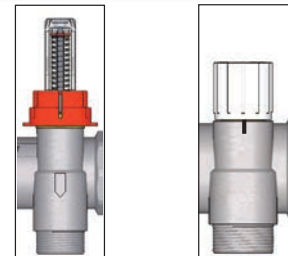
Thanks to the simple safety system, it is possible to replace the double O-ring seal of the body, without any need to drain the system.

MANIFOLDS WITH LOCKSHIELD VALVES OR FLOWMETERS - SUPPLY CIRCUIT

The supply manifold is equipped with a micrometric regulation system, with which it is possible to regulate or shut off flow within the system.

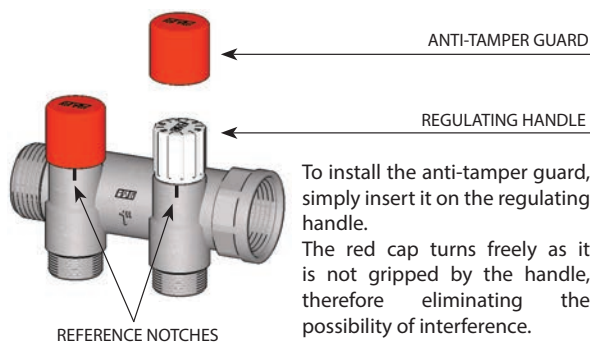
FAR offers two different versions

- one provided with flowmeters for flow-rate control
- one provided with a new balancing body



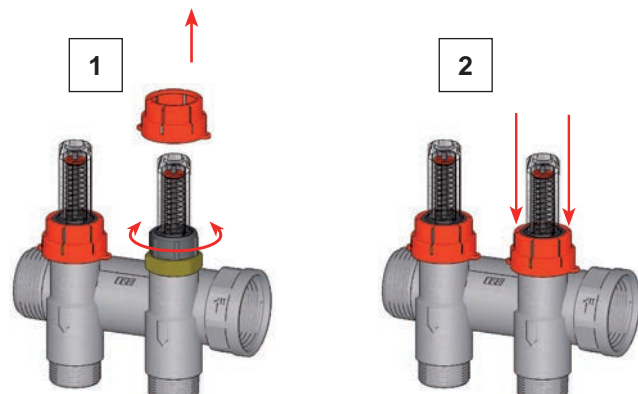
BALANCING LOCKSHIELD VALVES

Adjustment is carried out by means of the handle indicating the reference numbers. The handle stroke is less than 360° and ranges between position 0 (lockshield valve fully closed) and 5.5 (lockshield valve fully open). The handle position is easily identified by the reference notches on the manifold.



FLOWMETERS

To fully open and then balance the flowmeters, remove the anti-tampering device and turn the regulating valve clockwise to decrease flow, or counterclockwise to increase it (**picture No. 1**). Once balancing has been completed, lock the flowmeter again with the anti-tampering device (**picture No. 2**).



Chrome-plated brass FLANGED modular return manifold.

- Body made of CB753S brass
- Built-in shut-off valves suitable for thermo-electric actuators
- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Centre distance between ports: mm.50



ART. 3914



Code	outlets	size	€	box
3914 102	2	1"	37,87	1
3914 103	3	1"	52,50	1
3914 104	4	1"	76,68	1
3914 105	5	1"	90,98	1
3914 106	6	1"	105,48	1
3914 107	7	1"	130,09	1
3914 108	8	1"	144,38	1
3914 109	9	1"	159,01	1
3914 110	10	1"	183,58	1
3914 111	11	1"	197,92	1
3914 112	12	1"	211,98	1

Chrome-plated brass FLANGED modular supply manifold.

- Body made of CB753S brass
- Built-in balancing lockshield valves
- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Centre distance between ports: mm.50
- **Patented**



ART. 3915



Code	outlets	size	€	box
3915 102	2	1"	32,90	1
3915 103	3	1"	45,00	1
3915 104	4	1"	66,70	1
3915 105	5	1"	78,51	1
3915 106	6	1"	90,53	1
3915 107	7	1"	112,65	1
3915 108	8	1"	124,47	1
3915 109	9	1"	136,58	1
3915 110	10	1"	158,69	1
3915 111	11	1"	170,54	1
3915 112	12	1"	182,12	1

Chrome-plated brass FLANGED modular supply manifold.

- Body made of CB753S brass
- Flowmeters and flow-rate balancing valves
- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50



ART. 3972



Code	outlets	size	€	box
3972 102	2	1"	40,82	1
3972 103	3	1"	56,89	1
3972 104	4	1"	82,54	1
3972 105	5	1"	98,32	1
3972 106	6	1"	114,31	1
3972 107	7	1"	140,38	1
3972 108	8	1"	156,15	1
3972 109	9	1"	172,23	1
3972 110	10	1"	198,30	1
3972 111	11	1"	214,11	1
3972 112	12	1"	229,65	1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:

- Supply manifold with built-in balancing lockshield valves
 - Return manifold with built-in shut-off valves suitable for thermo-electric actuators
 - Fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Screws and O-rings for connection
 - Connection: 1" female-female
 - Centre distance between ports: mm.50


ART. 3916


Code	outlets	size	€	box
3916 102	2	1"	79,45	1
3916 103	3	1"	115,90	1
3916 104	4	1"	163,22	1
3916 105	5	1"	189,69	1
3916 106	6	1"	216,22	1
3916 107	7	1"	263,11	1
3916 108	8	1"	289,41	1
3916 109	9	1"	315,74	1
3916 110	10	1"	362,66	1
3916 111	11	1"	388,96	1
3916 112	12	1"	415,32	1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:

- Supply manifold with flowmeters and flow-rate balancing valves
 - Return manifold with built-in shut-off valves suitable for thermo-electric actuators
 - Fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Screws and O-rings for connection
 - Connection: 1" female-female
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50


ART. 3973


Code	outlets	size	€	box
3973 102	2	1"	87,38	1
3973 103	3	1"	127,78	1
3973 104	4	1"	179,06	1
3973 105	5	1"	209,49	1
3973 106	6	1"	239,98	1
3973 107	7	1"	290,83	1
3973 108	8	1"	321,12	1
3973 109	9	1"	351,40	1
3973 110	10	1"	402,28	1
3973 111	11	1"	432,54	1
3973 112	12	1"	462,87	1

Chrome-plated brass FLANGED modular manifold complete with:

- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connection, art. 3445 complete with automatic air vent valve, temperature gauge and drain cock.
- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Centre distance between ports: mm.50



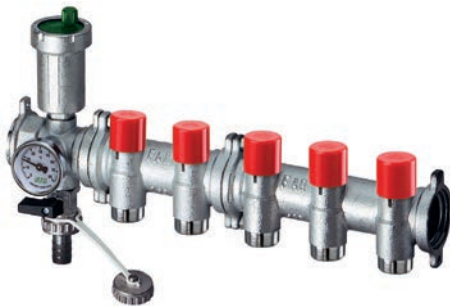
ART. 3463



Code	outlets	size	€	box
3463 104	4	1"	132,48	1
3463 105	5	1"	147,41	1
3463 106	6	1"	162,41	1
3463 107	7	1"	188,00	1
3463 108	8	1"	202,94	1
3463 109	9	1"	217,84	1
3463 110	10	1"	243,44	1
3463 111	11	1"	258,41	1
3463 112	12	1"	273,32	1

Chrome-plated brass FLANGED modular manifold complete with:

- Supply manifold with built-in balancing lockshield valves
- Intermediate connection, art. 3445 complete with automatic air vent valve, temperature gauge and drain cock.
- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Centre distance between ports: mm.50
- Patented



ART. 3464



Code	outlets	size	€	box
3464 104	4	1"	122,14	1
3464 105	5	1"	134,51	1
3464 106	6	1"	146,95	1
3464 107	7	1"	169,92	1
3464 108	8	1"	182,27	1
3464 109	9	1"	194,62	1
3464 110	10	1"	217,64	1
3464 111	11	1"	229,98	1
3464 112	12	1"	242,35	1

Chrome-plated brass FLANGED modular manifold complete with:

- Supply manifold with flowmeters and flow-rate balancing valves
- Intermediate connection, art. 3445 complete with automatic air vent valve, temperature gauge and drain cock.
- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50



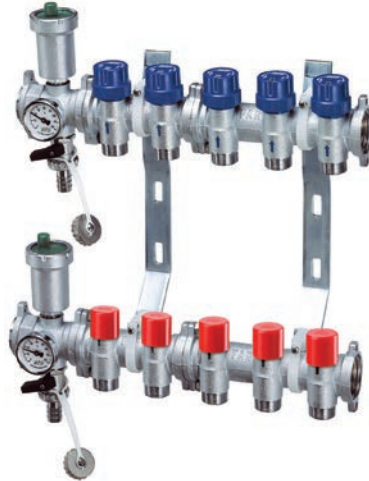
ART. 3562



Code	outlets	size	€	box
3562 104	4	1"	137,97	1
3562 105	5	1"	154,31	1
3562 106	6	1"	170,71	1
3562 107	7	1"	197,64	1
3562 108	8	1"	213,95	1
3562 109	9	1"	230,27	1
3562 110	10	1"	257,25	1
3562 111	11	1"	273,55	1
3562 112	12	1"	289,87	1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:

- Supply manifold with built-in balancing lockshield valves
 - Return manifold with built-in shut-off valves suitable for thermo-electric actuators
 - Intermediate connections, art. 3445 complete with automatic air vent valve, temperature gauge and drain cock.
 - Fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Screws and O-rings for connection
 - Connection: 1" female-female
 - Centre distance between ports: mm.50


ART. 3465

Code	outlets	size	€	box
3465 103	3	1"	236,25	1
3465 104	4	1"	273,88	1
3465 105	5	1"	301,11	1
3465 106	6	1"	328,45	1
3465 107	7	1"	377,12	1
3465 108	8	1"	404,40	1
3465 109	9	1"	431,70	1
3465 110	10	1"	480,38	1
3465 111	11	1"	507,63	1
3465 112	12	1"	535,07	1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:

- Supply manifold with flowmeters and flow-rate balancing valves
 - Return manifold with built-in shut-off valves suitable for thermo-electric actuators
 - Intermediate connections, art. 3445 complete with automatic air vent valve, temperature gauge and drain cock.
 - Fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Screws and O-rings for connection
 - Connection: 1" female-female
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50


ART. 3563

Code	outlets	size	€	box
3563 103	3	1"	248,14	1
3563 104	4	1"	289,74	1
3563 105	5	1"	320,93	1
3563 106	6	1"	352,22	1
3563 107	7	1"	404,86	1
3563 108	8	1"	436,08	1
3563 109	9	1"	467,35	1
3563 110	10	1"	520,00	1
3563 111	11	1"	551,22	1
3563 112	12	1"	582,59	1

Chrome-plated brass modular return manifold.

- Body made of CB753S brass
- Built-in shut-off valves suitable for thermo-electric actuators
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 male-female
- Centre distance between ports: mm.50



ART. 3913



Code	outlets	size	€	box
3913 102	2	1"	33,35	1
3913 103	3	1"	48,25	1
3913 104	4	1"	70,14	1
3913 105	5	1"	84,97	1
3913 106	6	1"	100,03	1
3913 107	7	1"	120,77	1
3913 108	8	1"	135,62	1
3913 109	9	1"	150,77	1
3913 110	10	1"	171,50	1
3913 111	11	1"	186,36	1
3913 112	12	1"	201,01	1

Code	outlets	size	€	box
3913 11402	2	1"1/4	41,26	1
3913 11403	3	1"1/4	58,10	1
3913 11404	4	1"1/4	85,05	1
3913 11405	5	1"1/4	101,78	1
3913 11406	6	1"1/4	118,71	1
3913 11407	7	1"1/4	145,01	1
3913 11408	8	1"1/4	161,80	1
3913 11409	9	1"1/4	178,84	1
3913 11410	10	1"1/4	205,10	1
3913 11411	11	1"1/4	221,84	1
3913 11412	12	1"1/4	238,37	1

Chrome-plated brass modular supply manifold.

- Body made of CB753S brass
- Built-in balancing lockshield valves
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 male-female
- Centre distance between ports: mm.50
- Patented



ART. 3923



Code	outlets	size	€	box
3923 102	2	1"	28,90	1
3923 103	3	1"	41,52	1
3923 104	4	1"	60,19	1
3923 105	5	1"	72,53	1
3923 106	6	1"	85,07	1
3923 107	7	1"	103,32	1
3923 108	8	1"	115,67	1
3923 109	9	1"	128,33	1
3923 110	10	1"	146,60	1
3923 111	11	1"	158,94	1
3923 112	12	1"	171,11	1

Code	outlets	size	€	box
3923 11402	2	1"1/4	36,26	1
3923 11403	3	1"1/4	50,63	1
3923 11404	4	1"1/4	75,08	1
3923 11405	5	1"1/4	89,34	1
3923 11406	6	1"1/4	103,78	1
3923 11407	7	1"1/4	127,56	1
3923 11408	8	1"1/4	141,84	1
3923 11409	9	1"1/4	156,39	1
3923 11410	10	1"1/4	180,20	1
3923 11411	11	1"1/4	194,45	1
3923 11412	12	1"1/4	208,49	1

Chrome-plated brass modular supply manifold.

- Body made of CB753S brass
- Flowmeters and flow-rate balancing valves
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 male-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50



ART. 3970



Code	outlets	size	€	box
3970 102	2	1"	36,81	1
3970 103	3	1"	53,41	1
3970 104	4	1"	76,01	1
3970 105	5	1"	92,34	1
3970 106	6	1"	108,85	1
3970 107	7	1"	131,05	1
3970 108	8	1"	147,36	1
3970 109	9	1"	163,98	1
3970 110	10	1"	186,21	1
3970 111	11	1"	202,50	1
3970 112	12	1"	218,64	1

Code	outlets	size	€	box
3970 11402	2	1"1/4	44,20	1
3970 11403	3	1"1/4	62,52	1
3970 11404	4	1"1/4	90,93	1
3970 11405	5	1"1/4	109,15	1
3970 11406	6	1"1/4	127,55	1
3970 11407	7	1"1/4	155,29	1
3970 11408	8	1"1/4	173,53	1
3970 11409	9	1"1/4	192,04	1
3970 11410	10	1"1/4	220,46	1
3970 11411	11	1"1/4	238,01	1
3970 11412	12	1"1/4	256,03	1

PRE-ASSEMBLED chrome-plated brass manifold complete with:

- Supply manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 male-female
- Centre distance between ports: mm.50


ART. 3929

Code	outlets	size	€	box	Code	outlets	size	€	box
3929 102	2	1"	73,00	1	3929 11402	2	1"1/4	88,66	1
3929 103	3	1"	110,47	1	3929 11403	3	1"1/4	130,71	1
3929 104	4	1"	150,12	1	3929 11404	4	1"1/4	181,49	1
3929 105	5	1"	177,61	1	3929 11405	5	1"1/4	212,77	1
3929 106	6	1"	205,18	1	3929 11406	6	1"1/4	244,13	1
3929 107	7	1"	244,39	1	3929 11407	7	1"1/4	294,47	1
3929 108	8	1"	271,72	1	3929 11408	8	1"1/4	325,59	1
3929 109	9	1"	299,07	1	3929 11409	9	1"1/4	356,70	1
3929 110	10	1"	342,00	1	3929 11410	10	1"1/4	410,74	1
3929 111	11	1"	369,37	1	3929 11411	11	1"1/4	441,89	1
3929 112	12	1"	396,71	1	3929 11412	12	1"1/4	473,03	1
3929 113	13	1"	432,68	1	3929 11413	13	1"1/4	523,91	1

PRE-ASSEMBLED chrome-plated brass manifold complete with:

- Supply manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 male-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50


ART. 3971

Code	outlets	size	€	box	Code	outlets	size	€	box
3971 102	2	1"	80,93	1	3971 11402	2	1"1/4	96,58	1
3971 103	3	1"	122,36	1	3971 11403	3	1"1/4	142,59	1
3971 104	4	1"	165,96	1	3971 11404	4	1"1/4	197,35	1
3971 105	5	1"	197,43	1	3971 11405	5	1"1/4	232,57	1
3971 106	6	1"	228,94	1	3971 11406	6	1"1/4	267,89	1
3971 107	7	1"	272,12	1	3971 11407	7	1"1/4	322,18	1
3971 108	8	1"	303,40	1	3971 11408	8	1"1/4	357,28	1
3971 109	9	1"	334,73	1	3971 11409	9	1"1/4	392,35	1
3971 110	10	1"	381,62	1	3971 11410	10	1"1/4	450,36	1
3971 111	11	1"	412,94	1	3971 11411	11	1"1/4	485,48	1
3971 112	12	1"	444,25	1	3971 11412	12	1"1/4	520,56	1
3971 113	13	1"	484,17	1	3971 11413	13	1"1/4	575,40	1

Chrome-plated brass modular manifold complete with:

- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connection, art. 3438 complete with automatic air vent valve, temperature gauge and drain cock.
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 female-female
- Centre distance between ports: mm.50



ART. 3460



Code	outlets	size	€	box	Code	outlets	size	€	box
3460 104	4	1"	120,73	1	3460 11404	4	1"1/4	141,50	1
3460 105	5	1"	136,24	1	3460 11405	5	1"1/4	159,01	1
3460 106	6	1"	151,79	1	3460 11406	6	1"1/4	176,53	1
3460 107	7	1"	173,37	1	3460 11407	7	1"1/4	203,87	1
3460 108	8	1"	188,86	1	3460 11408	8	1"1/4	221,32	1
3460 109	9	1"	204,36	1	3460 11409	9	1"1/4	238,74	1
3460 110	10	1"	225,93	1	3460 11410	10	1"1/4	266,12	1
3460 111	11	1"	241,44	1	3460 11411	11	1"1/4	283,58	1
3460 112	12	1"	256,95	1	3460 11412	12	1"1/4	301,06	1

Chrome-plated brass modular manifold complete with:

- Supply manifold with built-in balancing lockshield valves
- Intermediate connection, art. 3438 complete with automatic air vent valve, temperature gauge and drain cock.
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 female-female
- Centre distance between ports: mm.50
- Patented



ART. 3461



Code	outlets	size	€	box	Code	outlets	size	€	box
3461 104	4	1"	110,38	1	3461 11404	4	1"1/4	131,20	1
3461 105	5	1"	123,35	1	3461 11405	5	1"1/4	146,10	1
3461 106	6	1"	136,29	1	3461 11406	6	1"1/4	161,01	1
3461 107	7	1"	155,29	1	3461 11407	7	1"1/4	185,79	1
3461 108	8	1"	168,20	1	3461 11408	8	1"1/4	200,66	1
3461 109	9	1"	181,11	1	3461 11409	9	1"1/4	215,55	1
3461 110	10	1"	200,14	1	3461 11410	10	1"1/4	240,28	1
3461 111	11	1"	213,03	1	3461 11411	11	1"1/4	255,17	1
3461 112	12	1"	225,93	1	3461 11412	12	1"1/4	270,06	1

Chrome-plated brass modular manifold complete with:

- Supply manifold with flowmeters and flow-rate balancing valves
- Intermediate connection, art. 3438 complete with automatic air vent valve, temperature gauge and drain cock.
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 female-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50



ART. 3560



Code	outlets	size	€	box	Code	outlets	size	€	box
3560 104	4	1"	126,22	1	3560 11404	4	1"1/4	147,04	1
3560 105	5	1"	143,15	1	3560 11405	5	1"1/4	165,90	1
3560 106	6	1"	160,08	1	3560 11406	6	1"1/4	184,78	1
3560 107	7	1"	183,03	1	3560 11407	7	1"1/4	213,52	1
3560 108	8	1"	199,89	1	3560 11408	8	1"1/4	232,35	1
3560 109	9	1"	216,76	1	3560 11409	9	1"1/4	251,19	1
3560 110	10	1"	239,74	1	3560 11410	10	1"1/4	279,90	1
3560 111	11	1"	256,60	1	3560 11411	11	1"1/4	298,75	1
3560 112	12	1"	273,47	1	3560 11412	12	1"1/4	317,60	1

PRE-ASSEMBLED chrome-plated brass manifold complete with:

- Supply manifold with built-in balancing lockshield valves
 - Return manifold with built-in shut-off valves suitable for thermo-electric actuators
 - Intermediate connections, art. 3438 complete with automatic air vent valve, temperature gauge and drain cock.
 - Fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Connection: 1" – 1"1/4 female-female
 - Centre distance between ports: mm.50


ART. 3462


Code	outlets	size	€	box	Code	outlets	size	€	box
3462 102	2	1"	176,36	1	3462 11403	3	1"1/4	255,68	1
3462 103	3	1"	212,22	1	3462 11404	4	1"1/4	293,58	1
3462 104	4	1"	250,38	1	3462 11405	5	1"1/4	325,82	1
3462 105	5	1"	278,67	1	3462 11406	6	1"1/4	358,14	1
3462 106	6	1"	307,06	1	3462 11407	7	1"1/4	410,38	1
3462 107	7	1"	347,80	1	3462 11408	8	1"1/4	442,66	1
3462 108	8	1"	376,16	1	3462 11409	9	1"1/4	474,93	1
3462 109	9	1"	404,49	1	3462 11410	10	1"1/4	530,96	1
3462 110	10	1"	449,03	1	3462 11411	11	1"1/4	563,28	1
3462 111	11	1"	477,43	1	3462 11412	12	1"1/4	595,64	1
3462 112	12	1"	505,83	1	3462 11413	13	1"1/4	656,70	1
3462 113	13	1"	537,61	1	3462 11414	14	1"1/4	692,40	1
3462 114	14	1"	573,80	1					

PRE-ASSEMBLED chrome-plated brass manifold complete with:

- Supply manifold with flowmeters and flow-rate balancing valves
 - Return manifold with built-in shut-off valves suitable for thermo-electric actuators
 - Intermediate connections, art. 3438 complete with automatic air vent valve, temperature gauge and drain cock.
 - Fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Connection: 1" – 1"1/4 female-female
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50


ART. 3561


Code	outlets	size	€	box	Code	outlets	size	€	box
3561 102	2	1"	184,29	1	3561 11403	3	1"1/4	267,57	1
3561 103	3	1"	224,11	1	3561 11404	4	1"1/4	309,41	1
3561 104	4	1"	266,22	1	3561 11405	5	1"1/4	345,62	1
3561 105	5	1"	298,49	1	3561 11406	6	1"1/4	381,90	1
3561 106	6	1"	330,84	1	3561 11407	7	1"1/4	438,12	1
3561 107	7	1"	375,53	1	3561 11408	8	1"1/4	474,35	1
3561 108	8	1"	407,85	1	3561 11409	9	1"1/4	510,58	1
3561 109	9	1"	440,14	1	3561 11410	10	1"1/4	570,59	1
3561 110	10	1"	488,64	1	3561 11411	11	1"1/4	606,87	1
3561 111	11	1"	521,01	1	3561 11412	12	1"1/4	643,16	1
3561 112	12	1"	553,35	1	3561 11413	13	1"1/4	708,20	1
3561 113	13	1"	589,12	1	3561 11414	14	1"1/4	747,86	1
3561 114	14	1"	629,26	1					

The set point regulating and mixing units are suitable for use in underfloor heating systems for low temperature distribution, and also with combined high and low temperature supplies where high temperature circuits such as radiators are included. They are designed for connection to both flow and return lines with provision for an integral pump.



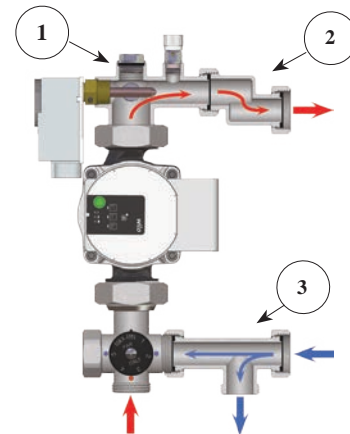
Art. 3480



Art. 3493

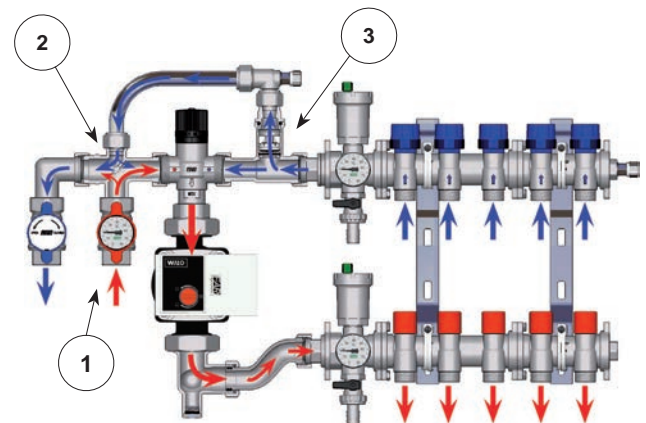
FUNCTION OF ART. 3493

The Set Point Regulation version is suitable for heating systems: this unit can be manually adjusted by turning the handle of the thermostatic mixer to the desired flow temperature value. The pump should always be installed at the mixer outlet, in place of the brass extension piece. The mixed fluid coming out of the pump passes into a fitting (1) on which it is possible to install a safety thermostat with a 1/2" connection. After the connection, the fluid passes through an eccentric (2) which allows to adapt the centre distance of the unit to the one of the manifolds that will be installed. Fluid coming back from the heating circuit passes through a fitting (3) that allows a part of water to re-enter to the boiler, while the remainder is diverted to the thermostatic mixer to mix with the high temperature one.



FUNCTION OF ART. 3480

Circulation is as follows: the high temperature water supplied from the boiler reaches the mixer unit through a ball valve (1) and a by-pass diverter connection (2). The connection (2) makes it possible to divert the high temperature water refused by the thermostatic mixer back to the boiler while, the same time, it directing to the boiler the water coming from the manifolds through the return connection (3). The mixer unit is designed to ensure a constant supply of water at the required temperature to the underfloor heating loops - blending in supplies of high temperature water from the boiler as necessary. Water leaves the mixer unit and is pumped to the flow side of the manifolds from whence it is distributed to the individual underfloor heating loops. Water coming back from the loops enters the return side of the manifolds and through the return connection (3) a proportion of the water re-enters the mixing unit restarting circulation while the remainder is diverted back to the boiler.



THERMOSTATIC MIXER

The thermostatic mixer is designed to ensure a constant supply of water for the low temperature system. The delivery temperature set-up must be carried out when starting up the system taking the design temperature as a reference. An initial set-up can be achieved based on the relation between the setting on the mixer and the flow water temperature. See below:

POSITION	Min.	1	2	3	4	5	Max
T ±2 [°C]	18	20	22	30	40	50	55



IMMERSION SAFETY THERMOSTAT

The immersion thermostat located on the regulating and mixing unit is designed to shut down the pump, or the boiler, when required. It is a liquid-filled type thermostat. The graduated knob allows the operator to set the maximum temperature value for the system.

Temperature setting range: 10 - 90°C



PUMPS FOR UNDERFLOOR HEATING SYSTEMS

In order to operate correctly, the plastic template on the unit must ALWAYS be replaced with an appropriately sized pump in order to avoid flow resistance in the low temperature circuit. FAR offers the following kind of pump to complement these units:

- **Art.2185 130EA:** Electronic pump, high efficiency electronic pump, with 130mm centre distance. Variable head: from 1 to 7m.

The pumps have a 130mm centre distance, 1 1/2" male connections and 230 V supply.

Set point regulating unit for underfloor heating systems.

- Primary side connections (boiler): 1" male
- Secondary side connections (manifold): 1" female with swiveling nut

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


IMMERSION SAFETY THERMOSTAT

Code	Thermostat type	€
7950	immersion	47,45


ART. 3493

Code	size	€	box
3493 1	1"	162,57	1

NB Pumps are supplied only in combination with art. 3493

Set point regulating unit for underfloor heating systems.

- Connection to flow and return pipelines: 3/4" female

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


ART. 3480

Code	size	€	box
3480 34	3/4"	389,00	1
3480 1	1"	396,01	1
3480 114	1"1/4	437,15	1

NB Pumps are supplied only in combination with art. 3480

Pre-assembled unit for underfloor heating systems, complete with set point regulating unit and high temperature distribution manifolds.

- Interchangeable sizes for copper, plastic and multilayer pipes
- Fixing brackets, art. 7480

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


ART. 3477

Code	radiator outlets	size	€	box
3477 102	2	1"	545,08	1
3477 103	3	1"	572,97	1
3477 104	4	1"	610,34	1
3477 105	5	1"	641,89	1

NB Pumps are supplied only in combination with art. 3477

Pre-assembled unit for underfloor heating systems, complete with:

- set point regulating unit
 - low temperature supply manifold with built-in balancing lockshield valves
 - low temperature return manifold with built-in shut-off valves
 - fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Centre distance between ports: mm.50



ART. 3481

Code	outlets	size	€	box
3481 102	2	1"	596,38	1
3481 103	3	1"	628,61	1
3481 104	4	1"	661,38	1
3481 105	5	1"	710,69	1
3481 106	6	1"	735,65	1
3481 107	7	1"	767,79	1
3481 108	8	1"	815,53	1
3481 109	9	1"	857,75	1
3481 110	10	1"	896,10	1
3481 111	11	1"	921,15	1
3481 112	12	1"	953,28	1

ACCESSORIES:



PUMP

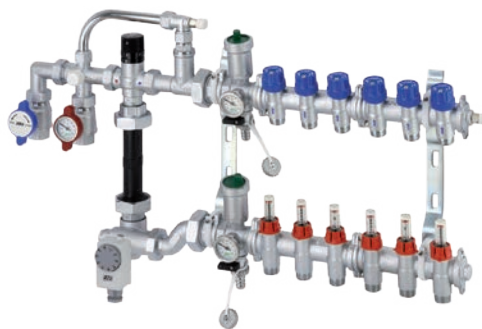
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3481

Pre-assembled unit for underfloor heating systems, complete with:

- set point regulating unit
 - low temperature supply manifold with flowmeters and flow-rate balancing valves
 - low temperature return manifold with built-in shut-off valves
 - fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50



ART. 3564

Code	outlets	size	€	box
3564 102	2	1"	610,11	1
3564 103	3	1"	652,38	1
3564 104	4	1"	689,56	1
3564 105	5	1"	748,19	1
3564 106	6	1"	783,18	1
3564 107	7	1"	819,77	1
3564 108	8	1"	871,90	1
3564 109	9	1"	929,07	1
3564 110	10	1"	966,23	1
3564 111	11	1"	1.001,29	1
3564 112	12	1"	1.037,86	1

ACCESSORIES:



PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3564

Pre-assembled unit for underfloor heating systems, complete with:

- set point regulating unit
 - low temperature supply manifold with built-in balancing lockshield valves
 - low temperature return manifold with built-in shut-off valves
 - painted sheet steel wall box
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Centre distance between ports: mm.50


ART. 3482

Code	outlets	size	box sizes	€	box
3482 103	3	1"	700x600x150	969,47	1
3482 104	4	1"	700x600x150	1.001,60	1
3482 105	5	1"	800x600x150	1.077,83	1
3482 106	6	1"	800x600x150	1.102,88	1
3482 107	7	1"	900x600x150	1.174,36	1
3482 108	8	1"	900x600x150	1.206,48	1
3482 109	9	1"	1000x600x150	1.298,57	1
3482 110	10	1"	1000x600x150	1.337,82	1
3482 111	11	1"	1100x600x150	1.402,15	1
3482 112	12	1"	1100x600x150	1.434,28	1

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3482

Pre-assembled unit for underfloor heating systems, complete with:

- set point regulating unit
 - low temperature supply manifold with flowmeters and flow-rate balancing valves
 - low temperature return manifold with built-in shut-off valves
 - painted sheet steel wall box
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50


ART. 3565

Code	outlets	size	box sizes	€	box
3565 103	3	1"	700x600x150	993,23	1
3565 104	4	1"	700x600x150	1.029,79	1
3565 105	5	1"	800x600x150	1.115,35	1
3565 106	6	1"	800x600x150	1.150,41	1
3565 107	7	1"	900x600x150	1.226,31	1
3565 108	8	1"	900x600x150	1.262,87	1
3565 109	9	1"	1000x600x150	1.369,87	1
3565 110	10	1"	1000x600x150	1.407,92	1
3565 111	11	1"	1100x600x150	1.482,28	1
3565 112	12	1"	1100x600x150	1.518,85	1

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3565

Pre-assembled mixed unit for underfloor heating systems complete with:

- set point regulating unit
 - low temperature supply manifold with built-in balancing lockshield valves
 - low temperature return manifold with built-in shut-off valves
 - high temperature distribution manifolds
 - fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Centre distance between ports: mm.50



ACCESSORIES:



PUMP

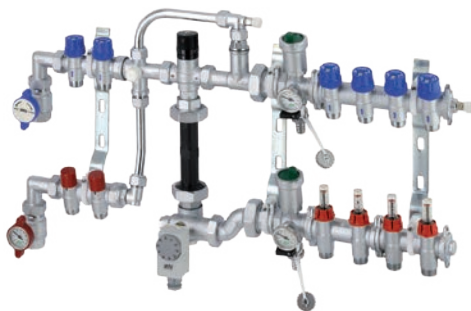
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3483

Pre-assembled mixed unit for underfloor heating systems complete with:

- set point regulating unit
 - low temperature supply manifold with flowmeters and flow-rate balancing valves
 - low temperature return manifold with built-in shut-off valves
 - high temperature distribution manifolds
 - fixing brackets, art. 7480
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50



ACCESSORIES:



PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3566

ART. 3483



Code	floor outlets	radiator outlets	size	€	box
3483 10302	3	2	1"	766,49	1
3483 10402	4	2	1"	798,61	1
3483 10502	5	2	1"	849,19	1
3483 10602	6	2	1"	874,21	1
3483 10702	7	2	1"	906,36	1
3483 10802	8	2	1"	937,59	1
3483 10902	9	2	1"	979,83	1
3483 11002	10	2	1"	1.019,05	1
3483 11102	11	2	1"	1.044,12	1
3483 10303	3	3	1"	794,35	1
3483 10403	4	3	1"	827,73	1
3483 10503	5	3	1"	877,05	1
3483 10603	6	3	1"	902,08	1
3483 10703	7	3	1"	933,33	1
3483 10803	8	3	1"	965,48	1
3483 10903	9	3	1"	1.007,70	1
3483 11003	10	3	1"	1.046,94	1

ART. 3566



Code	floor outlets	radiator outlets	size	€	box
3566 10302	3	2	1"	790,28	1
3566 10402	4	2	1"	826,82	1
3566 10502	5	2	1"	885,50	1
3566 10602	6	2	1"	921,80	1
3566 10702	7	2	1"	958,34	1
3566 10802	8	2	1"	994,00	1
3566 10902	9	2	1"	1.051,16	1
3566 11002	10	2	1"	1.089,21	1
3566 11102	11	2	1"	1.124,31	1
3566 10303	3	3	1"	818,14	1
3566 10403	4	3	1"	855,94	1
3566 10503	5	3	1"	914,58	1
3566 10603	6	3	1"	949,65	1
3566 10703	7	3	1"	985,33	1
3566 10803	8	3	1"	1.021,87	1
3566 10903	9	3	1"	1.079,02	1
3566 11003	10	3	1"	1.117,09	1

Pre-assembled mixed unit for underfloor heating systems complete with:

- set point regulating unit
 - low temperature supply manifold with built-in balancing lockshield valves
 - low temperature return manifold with built-in shut-off valves
 - high temperature distribution manifolds
 - painted sheet steel wall box
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Centre distance between ports: mm.50


ART. 3484


Code	floor outlets	radiator outlets	size	box sizes	€	box
3484 10302	3	2	1"	800x600x150	1.125,46	1
3484 10402	4	2	1"	800x600x150	1.157,59	1
3484 10502	5	2	1"	900x600x150	1.246,25	1
3484 10602	6	2	1"	900x600x150	1.271,30	1
3484 10702	7	2	1"	1000x600x150	1.353,27	1
3484 10802	8	2	1"	1000x600x150	1.385,44	1
3484 10902	9	2	1"	1100x600x150	1.466,97	1
3484 11002	10	2	1"	1100x600x150	1.506,19	1
3484 11102	11	2	1"	1200x600x150	1.565,33	1
3484 10303	3	3	1"	800x600x150	1.153,32	1
3484 10403	4	3	1"	900x600x150	1.224,27	1
3484 10503	5	3	1"	900x600x150	1.274,14	1
3484 10603	6	3	1"	1000x600x150	1.348,20	1
3484 10703	7	3	1"	1000x600x150	1.381,16	1
3484 10803	8	3	1"	1100x600x150	1.452,73	1
3484 10903	9	3	1"	1100x600x150	1.494,83	1
3484 11003	10	3	1"	1200x600x150	1.568,40	1

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3484

Pre-assembled mixed unit for underfloor heating systems complete with:

- set point regulating unit
 - low temperature supply manifold with flowmeters and flow-rate balancing valves
 - low temperature return manifold with built-in shut-off valves
 - high temperature distribution manifolds
 - painted sheet steel wall box
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50


ART. 3567


Code	floor outlets	radiator outlets	size	box sizes	€	box
3567 10302	3	2	1"	800x600x150	1.143,13	1
3567 10402	4	2	1"	800x600x150	1.179,70	1
3567 10502	5	2	1"	900x600x150	1.277,66	1
3567 10602	6	2	1"	900x600x150	1.312,75	1
3567 10702	7	2	1"	1000x600x150	1.399,13	1
3567 10802	8	2	1"	1000x600x150	1.435,72	1
3567 10902	9	2	1"	1100x600x150	1.532,18	1
3567 11002	10	2	1"	1100x600x150	1.570,21	1
3567 11102	11	2	1"	1200x600x150	1.639,40	1
3567 10303	3	3	1"	800x600x150	1.170,99	1
3567 10403	4	3	1"	900x600x150	1.246,37	1
3567 10503	5	3	1"	900x600x150	1.305,55	1
3567 10603	6	3	1"	1000x600x150	1.389,65	1
3567 10703	7	3	1"	1000x600x150	1.427,01	1
3567 10803	8	3	1"	1100x600x150	1.503,01	1
3567 10903	9	3	1"	1100x600x150	1.560,04	1
3567 11003	10	3	1"	1200x600x150	1.632,42	1

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3567

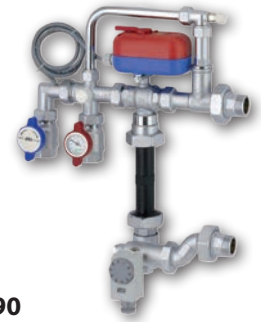
Modulating/Regulating units for underfloor heating systems are available in HOT only or HOT/COLD versions. They are equipped with a 3-point actuator and a mixing valve. Used in association with a control unit they can manage the flow temperature of an underfloor heating system in accordance with climatic and room conditions.

The MODULATING version is suitable for both heating and cooling systems: the main feature is the facility to manage the plant by modulating the supply temperature via a control unit equipped with an external temperature probe. This version can be also used as a set point regulating unit.

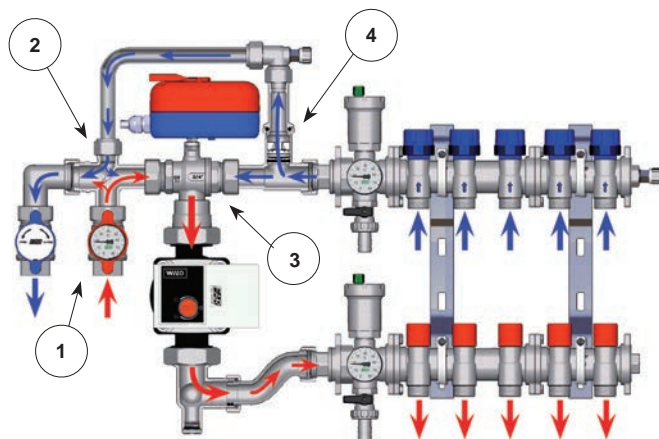
The brass template at the outlet of the mixing valve must always be replaced by a pump.

The unit is equipped with a by-pass between the supply and return sides of the boiler and a safety thermostat.

It is also available with pre-assembled manifolds for distribution of flow for low temperature only, high temperature only, or both.



Art. 3490



The mixing valve is designed to ensure a constant supply of water, blended to the required temperature, to the underfloor heating loops. Circulation is as follows: water leaves the mixing valve (3), passes through the pump (installed in place of the template) and is pumped to the flow side of the manifolds from whence it is distributed to the individual underfloor heating loops. Water coming back from the loops enters the return side of the manifolds and, passing through the return connection (4), re-enters the mixing valve. High temperature water is supplied from the boiler to the mixing valve via a ball valve (1) and diverter connection (2). As it enters the mixing valve an equal volume of lower temperature return water is diverted back to the boiler, passing first through fitting 4 and then through fitting 2, thus automatically keeping the system in balance.



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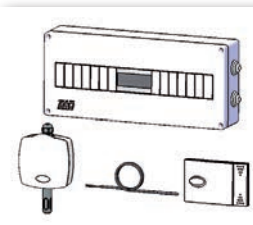
HOT ONLY (HEATING)

If you wish to set up to a "hot only" system, you will require both the regulating unit and an electronic control unit, Art. 9611, comprising:

- HOT Only electronic control unit
- Supply temperature probe
- External temperature probe
- Seat for supply probe



+



HOT and COLD (HEATING and COOLING)

However, if you need to use a climatic control which operates the circuit in winter and summer, you will also require a control unit, art.9610. It comprises:

- HOT - COLD electronic control unit
- Supply temperature probe
- External temperature probe
- Internal temperature + humidity probe
- Seat for supply probe
- Box for control unit

PUMPS FOR UNDERFLOOR HEATING SYSTEMS

In order to operate correctly, the brass template on the unit must ALWAYS be replaced with an appropriately sized pump in order to avoid flow resistance in the low temperature circuit. FAR offers the following kind of pump to complement these units:

- **Art.2185 130EA:** **Electronic pump, high efficiency electronic pump, with 130mm centre distance. Variable head: from 1 to 7m.**

The pumps have a 130mm centre distance, 1 1/2" male connections and 230 V supply.

The pumps are only sold in combination with pre-assembled units.

Modulating regulating unit for underfloor heating systems, complete with 3-point actuator.

- Connection to flow and return pipelines: 3/4" female


ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3490

Pre-assembled unit for underfloor heating systems, complete with 3-point actuator and high temperature distribution manifolds.

- Interchangeable sizes for copper, plastic and multilayer pipes
- Fixing brackets, art. 7480

ART. 3490

Code	size	voltage	€	box
3490 110	1"	230 V	515,22	1

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3491


ART. 3491

Code	radiator outlets	size	voltage	€	box
3491 10210	2	1"	230 V	654,35	1
3491 10310	3	1"	230 V	682,21	1
3491 10410	4	1"	230 V	719,60	1
3491 10510	5	1"	230 V	751,15	1

Pre-assembled unit for underfloor heating systems complete with:

- regulating unit with mixing valve and 3-point actuator
 - safety thermostat
 - low temperature supply manifold with built-in balancing lockshield valves
 - low temperature return manifold with built-in shut-off valves
 - painted sheet steel wall box
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Centre distance between ports: mm. 50



ACCESSORIES:



PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62



CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3568



ART. 3568

Code	outlets	size	box sizes	€	box
3568 105	5	1"	800x600x150	1.201,70	1
3568 106	6	1"	800x600x150	1.226,72	1
3568 107	7	1"	900x600x150	1.293,96	1
3568 108	8	1"	900x600x150	1.326,09	1
3568 109	9	1"	1000x600x150	1.370,76	1
3568 110	10	1"	1000x600x150	1.460,35	1
3568 111	11	1"	1100x600x150	1.483,89	1
3568 112	12	1"	1100x600x150	1.552,90	1

Pre-assembled unit for underfloor heating systems complete with:

- regulating unit with mixing valve and 3-point actuator
 - safety thermostat
 - low temperature supply manifold with flowmeters and flow-rate balancing valves
 - low temperature return manifold with built-in shut-off valves
 - painted sheet steel wall box
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm. 50



ACCESSORIES:



PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62



CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3569



ART. 3569

Code	outlets	size	box sizes	€	box
3569 105	5	1"	800x600x150	1.239,20	1
3569 106	6	1"	800x600x150	1.274,26	1
3569 107	7	1"	900x600x150	1.345,91	1
3569 108	8	1"	900x600x150	1.382,48	1
3569 109	9	1"	1000x600x150	1.492,41	1
3569 110	10	1"	1000x600x150	1.530,46	1
3569 111	11	1"	1100x600x150	1.600,91	1
3569 112	12	1"	1100x600x150	1.637,46	1

Pre-assembled mixed unit for underfloor heating systems complete with:

- regulating unit with mixing valve and 3-point actuator
 - safety thermostat
 - low temperature supply manifold with built-in balancing lockshield valves
 - low temperature return manifold with built-in shut-off valves
 - high temperature distribution manifolds
 - painted sheet steel wall box
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Centre distance between ports: mm. 50


ART. 3570
ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3570

Code	floor outlets	radiator outlets	size	box sizes	€	box
3570 10502	5	2	1"	900x600x150	1.350,04	1
3570 10602	6	2	1"	900x600x150	1.375,06	1
3570 10702	7	2	1"	1000x600x150	1.459,99	1
3570 10802	8	2	1"	1000x600x150	1.492,13	1
3570 10902	9	2	1"	1100x600x150	1.576,69	1
3570 11002	10	2	1"	1100x600x150	1.608,97	1
3570 11102	11	2	1"	1200x600x150	1.669,60	1
3570 10503	5	3	1"	900x600x150	1.377,75	1
3570 10603	6	3	1"	1000x600x150	1.455,71	1
3570 10703	7	3	1"	1000x600x150	1.487,87	1
3570 10803	8	3	1"	1100x600x150	1.555,37	1
3570 10903	9	3	1"	1100x600x150	1.597,23	1
3570 11003	10	3	1"	1200x600x150	1.672,44	1

Pre-assembled mixed unit for underfloor heating systems complete with:

- regulating unit with mixing valve and 3-point actuator
 - safety thermostat
 - low temperature supply manifold with flowmeters and flow-rate balancing valves
 - low temperature return manifold with built-in shut-off valves
 - high temperature distribution manifolds
 - painted sheet steel wall box
- Interchangeable sizes for copper, plastic and multilayer pipes
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm. 50


ART. 3571
ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3571

Code	floor outlets	radiator outlets	size	box sizes	€	box
3571 10502	5	2	1"	900x600x150	1.387,54	1
3571 10602	6	2	1"	900x600x150	1.422,59	1
3571 10702	7	2	1"	1000x600x150	1.511,94	1
3571 10802	8	2	1"	1000x600x150	1.548,52	1
3571 10902	9	2	1"	1100x600x150	1.641,05	1
3571 11002	10	2	1"	1100x600x150	1.679,08	1
3571 11102	11	2	1"	1200x600x150	1.749,76	1
3571 10503	5	3	1"	900x600x150	1.415,41	1
3571 10603	6	3	1"	1000x600x150	1.503,26	1
3571 10703	7	3	1"	1000x600x150	1.539,44	1
3571 10803	8	3	1"	1100x600x150	1.611,76	1
3571 10903	9	3	1"	1100x600x150	1.668,52	1
3571 11003	10	3	1"	1200x600x150	1.742,54	1

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling elbow.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Male connection with O-ring in EPDM suitable for FAR manifolds only
- Designed for installation of temperature gauge, art. 2653



ART. 3062

Code	size	handle	€	box	pack
3062 134B	3/4" F x 1" M	blue	36,54	3	30
3062 134R	3/4" F x 1" M	red	36,54	3	30
3062 1B	1" F x 1" M	blue	37,05	3	30
3062 1R	1" F x 1" M	red	37,05	3	30

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling elbow.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Female connection with swiveling nut and sealing gasket
- Designed for installation of temperature gauge, art. 2653



ART. 3064

Code	size	handle	€	box	pack
3064 1B	1" F x 1" F	blue	35,21	3	30
3064 1R	1" F x 1" F	red	35,21	3	30

TEMPERATURE GAUGE HOLDER ball valve, complete with manifolds connection.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Male connection with O-ring in EPDM suitable for FAR manifolds only
- Designed for installation of temperature gauge, art. 2653

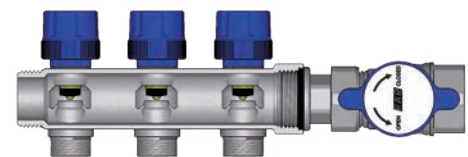


ART. 3057



ART. 3058

Code	size	handle	€	box	pack
3057 1B	1" F x 1" M	blue	25,72	5	50
3057 1R	1" F x 1" M	red	25,72	5	50
3058 1B	1" F x 1" M	blue	26,77	5	50
3058 1R	1" F x 1" M	red	26,77	5	50



Connection overview of ART. 3057 - 3058 to FAR manifolds
Sealing between valve and manifold is guaranteed by means of O-Ring

TEMPERATURE GAUGE HOLDER ball valve.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Designed for installation of temperature gauge, art. 2653



ART. 5942



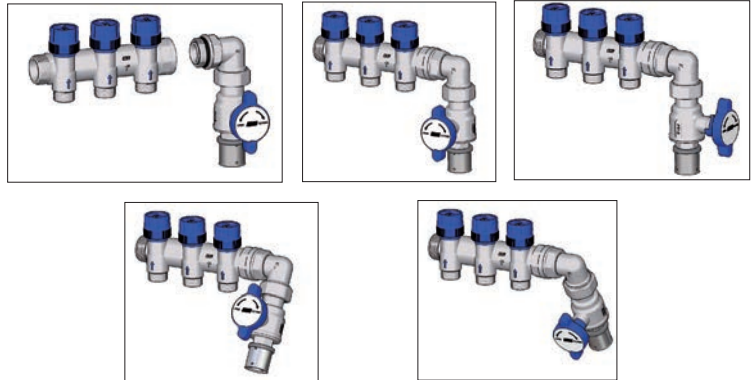
ART. 5943

Code	size	handle	Ø pipe	€	box	pack
59422601	3/4"	blue	26x3	26,66	4	40
59422602	3/4"	red	26x3	26,66	4	40
59422603	1"	blue	26x3	28,55	4	40
59422604	1"	red	26x3	28,55	4	40
59423201	3/4"	blue	32x3	28,63	4	40
59423202	3/4"	red	32x3	28,63	4	40
59423203	1"	blue	32x3	30,52	4	40
59423204	1"	red	32x3	30,52	4	40

Code	size	handle	Ø pipe	€	box	pack
59432601	3/4"	blue	26x3	27,65	4	40
59432602	3/4"	red	26x3	27,65	4	40
59432603	1"	blue	26x3	29,71	4	40
59432604	1"	red	26x3	29,71	4	40
59433201	3/4"	blue	32x3	29,80	4	40
59433202	3/4"	red	32x3	29,80	4	40
59433203	1"	blue	32x3	31,76	4	40
59433204	1"	red	32x3	31,76	4	40

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling elbow.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Male connection with O-ring in EPDM suitable for FAR manifolds only
- Designed for installation of temperature gauge, art. 2653



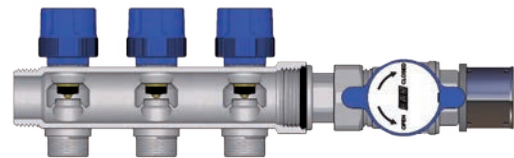
ART. 5951

Code	size	handle	Ø pipe	€	box	pack
59512601	1"	blue	26x3	41,19	3	30
59512602	1"	red	26x3	41,19	3	30
59513201	1"	blue	32x3	44,21	3	30
59513202	1"	red	32x3	44,21	3	30

Installation overview

TEMPERATURE GAUGE HOLDER ball valve, complete with manifolds connection.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Male connection with O-ring in EPDM suitable for FAR manifolds only
- Designed for installation of temperature gauge, art. 2653



Connection overview of ART. 5948 - 5949 to FAR manifolds
Sealing between valve and manifold is guaranteed by means of O-Ring



ART. 5948



ART. 5949

Code	size	handle	Ø pipe	€	box	pack
59482601	1"	blue	26x3	31,62	4	40
59482602	1"	red	26x3	31,62	4	40
59483201	1"	blue	32x3	34,41	4	40
59483202	1"	red	32x3	34,41	4	40
59492601	1"	blue	26x3	32,57	4	40
59492602	1"	red	26x3	32,57	4	40
59493201	1"	blue	32x3	35,32	4	40
59493202	1"	red	32x3	35,32	4	40

Ø 40 mm bimetallic temperature gauge

- Temperature scale: 0÷80°C - 0÷120°C
- 36 mm sheath



ART. 2653

Code	temperature scale	€	box	pack
2653 80	0-80° C	7,52	1	240
2653 120	0-120° C	7,52	1	240

Chrome-plated brass modular manifold.

- Body made of CB753S brass
- Built-in shut-off valves suitable for thermo-electric actuators
- Interchangeable sizes for d. 25-26 plastic and multilayer pipes
- Connection: 1"1/2 male-female
- Centre distance between ports: mm.70



ART. 3910

Code	outlets	size	€	box
3910 11202	2	1"1/2	59,84	1
3910 11203	3	1"1/2	82,62	1
3910 11204	4	1"1/2	124,40	1
3910 11205	5	1"1/2	147,80	1
3910 11206	6	1"1/2	170,64	1
3910 11207	7	1"1/2	210,12	1
3910 11208	8	1"1/2	233,25	1
3910 11209	9	1"1/2	257,87	1
3910 11210	10	1"1/2	297,38	1
3910 11211	11	1"1/2	320,48	1
3910 11212	12	1"1/2	342,59	1

Chrome-plated brass modular manifold.

- Body made of CB753S brass
- Built-in vertical regulating valves
- Interchangeable sizes for d. 25-26 plastic and multilayer pipes
- Connection: 1"1/2 male-female
- Centre distance between ports: mm.70



ART. 3920

Code	outlets	size	€	box
3920 11202	2	1"1/2	54,07	1
3920 11203	3	1"1/2	72,81	1
3920 11204	4	1"1/2	112,83	1
3920 11205	5	1"1/2	132,21	1
3920 11206	6	1"1/2	151,04	1
3920 11207	7	1"1/2	188,76	1
3920 11208	8	1"1/2	207,87	1
3920 11209	9	1"1/2	228,47	1
3920 11210	10	1"1/2	266,20	1
3920 11211	11	1"1/2	285,32	1
3920 11212	12	1"1/2	303,40	1

PRE-ASSEMBLED chrome-plated brass manifold complete with:

- Supply manifold with built-in regulating valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7470
- Body made of CB753S brass
- Interchangeable sizes for d. 25-26 plastic and multilayer pipes
- Connection: 1"1/2 male-female
- Centre distance between ports: mm.70



ART. 3927

Code	outlets	size	€	box
3927 11202	2	1"1/2	137,82	1
3927 11203	3	1"1/2	202,87	1
3927 11204	4	1"1/2	283,88	1
3927 11205	5	1"1/2	326,10	1
3927 11206	6	1"1/2	368,80	1
3927 11207	7	1"1/2	446,14	1
3927 11208	8	1"1/2	488,48	1
3927 11209	9	1"1/2	530,99	1
3927 11210	10	1"1/2	608,14	1
3927 11211	11	1"1/2	674,72	1
3927 11212	12	1"1/2	717,11	1

Adapter for PLASTIC pipe suitable for FAR manifolds. Complete with chrome-plated nut with M33x1,5 thread.



ART. 6049

Code	pipe	size	€	box	pack
6049 219834	plastic	25x2,3	6,12	25	250

Adapter for MULTILAYER pipe suitable for FAR manifolds. Complete with chrome-plated nut with M33x1,5 thread.



ART. 6057

Code	pipe	size	€	box	pack
6057 263274	multilayer	20x2	6,78	25	250
6057 263264	multilayer	20x2,25	6,78	25	250
6057 263265	multilayer	20x2,5	6,78	25	250
6057 219218	multilayer	25x2,5	6,78	25	250
6057 220218	multilayer	26x3	6,78	25	250

- Chrome-plated brass modular manifold complete with:
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
 - Intermediate connection, art. 3438
 - Body made of CB753S brass
 - Interchangeable sizes for d. 25-26 plastic and multilayer pipes
 - Connection: 1"1/2 female-female
 - Centre distance between ports: mm.70



ART. 3457

Code	outlets	size	€	box
3457 11204	4	1"1/2	198,71	1
3457 11205	5	1"1/2	223,73	1
3457 11206	6	1"1/2	249,14	1
3457 11207	7	1"1/2	289,73	1
3457 11208	8	1"1/2	314,76	1
3457 11209	9	1"1/2	340,13	1
3457 11210	10	1"1/2	380,71	1
3457 11211	11	1"1/2	404,64	1
3457 11212	12	1"1/2	429,68	1

- Chrome-plated brass modular manifold complete with:
- Supply manifold with built-in regulating valves
 - Intermediate connection, art. 3438
 - Body made of CB753S brass
 - Interchangeable sizes for d. 25-26 plastic and multilayer pipes
 - Connection: 1"1/2 female-female
 - Centre distance between ports: mm.70



ART. 3458

Code	outlets	size	€	box
3458 11204	4	1"1/2	185,40	1
3458 11205	5	1"1/2	205,89	1
3458 11206	6	1"1/2	226,77	1
3458 11207	7	1"1/2	265,23	1
3458 11208	8	1"1/2	285,73	1
3458 11209	9	1"1/2	306,57	1
3458 11210	10	1"1/2	345,04	1
3458 11211	11	1"1/2	364,42	1
3458 11212	12	1"1/2	384,91	1

- PRE-ASSEMBLED chrome-plated brass manifold complete with:
- Supply manifold with built-in regulating valves
 - Return manifold with built-in shut-off valves suitable for thermo-electric actuators
 - Intermediate connections, art. 3438
 - Fixing brackets, art. 7470
 - Body made of CB753S brass
 - Interchangeable sizes for d. 25-26 plastic and multilayer pipes
 - Centre distance between ports: mm.70
 - Connection: 1"1/2 female-female



ART. 3459

Code	outlets	size	€	box
3459 11202	2	1"1/2	280,58	1
3459 11203	3	1"1/2	350,64	1
3459 11204	4	1"1/2	433,22	1
3459 11205	5	1"1/2	478,74	1
3459 11206	6	1"1/2	524,89	1
3459 11207	7	1"1/2	603,95	1
3459 11208	8	1"1/2	649,47	1
3459 11209	9	1"1/2	695,70	1
3459 11210	10	1"1/2	774,76	1
3459 11211	11	1"1/2	846,30	1
3459 11212	12	1"1/2	891,83	1

Cap for outlets with M33x1,5 thread.



ART. 4102

Code	€	box
4102	4,69	1

Chrome-plated reduction with M33X1,5 thread.
Ø 18-22 versions are complete with sealing kit.



ART. 8852

Code	from size	to size	€	box
8852 30	25-26	24x19	4,91	25
8852 G1830	25-26	24x19 Ø 18	6,47	25
8852 G2230	25-26	Ø 22	7,59	25

Chrome-plated temperature gauge fitting complete with bimetallic temperature gauge.

- Interchangeable sizes for d. 25-26 plastic and multilayer pipes
- Temperature gauge: 0÷80°C

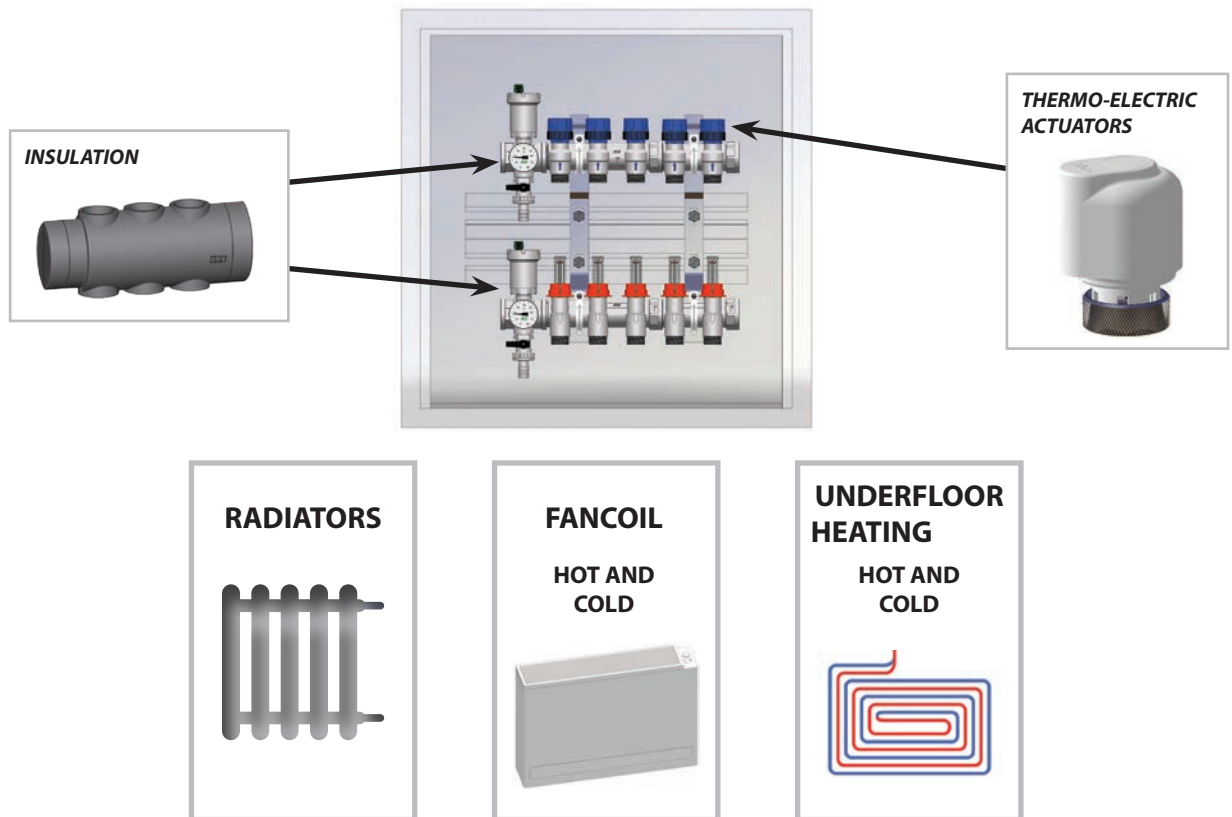


ART. 3427

Code	€	box
3427	22,73	1

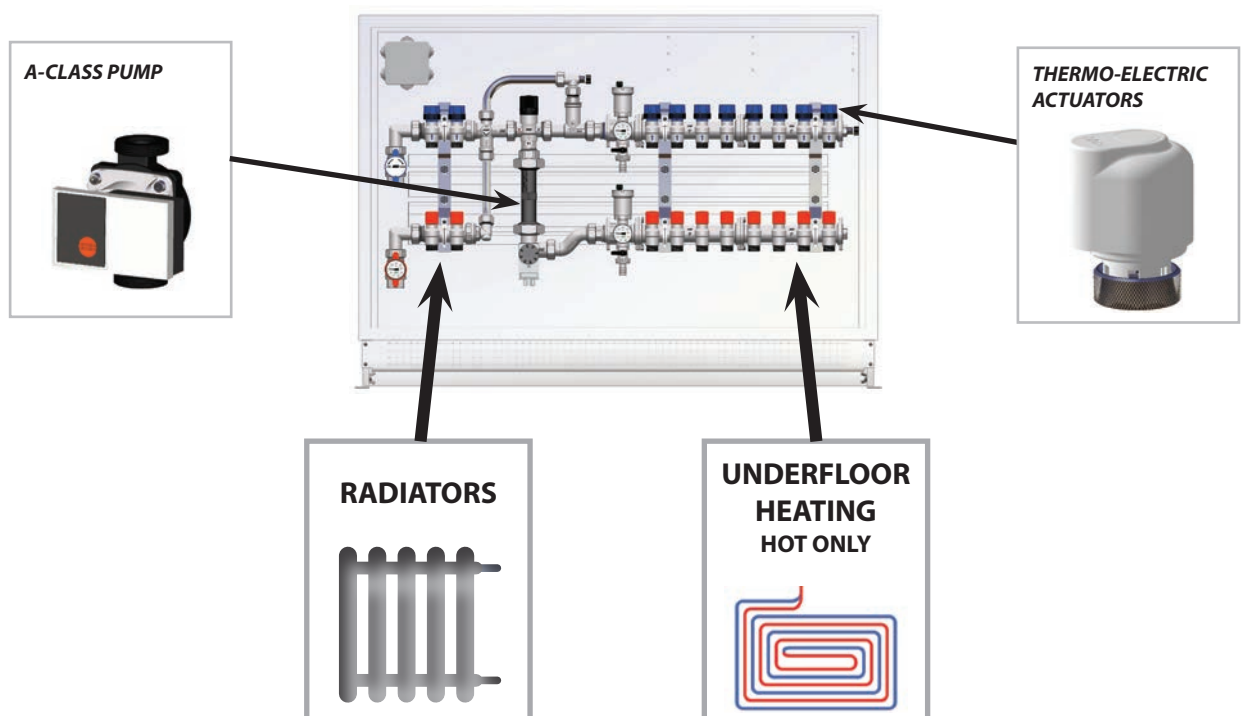
THERMO-ELECTRIC MANIFOLDS

This kind of manifolds is suitable in case of heating systems with radiators or in case of underfloor and/or fan coils heating and cooling systems. The system can be divided in different areas by installing thermo-electric actuators on each manifold outlet. Insulation shells to cover the manifolds are available, if needed.



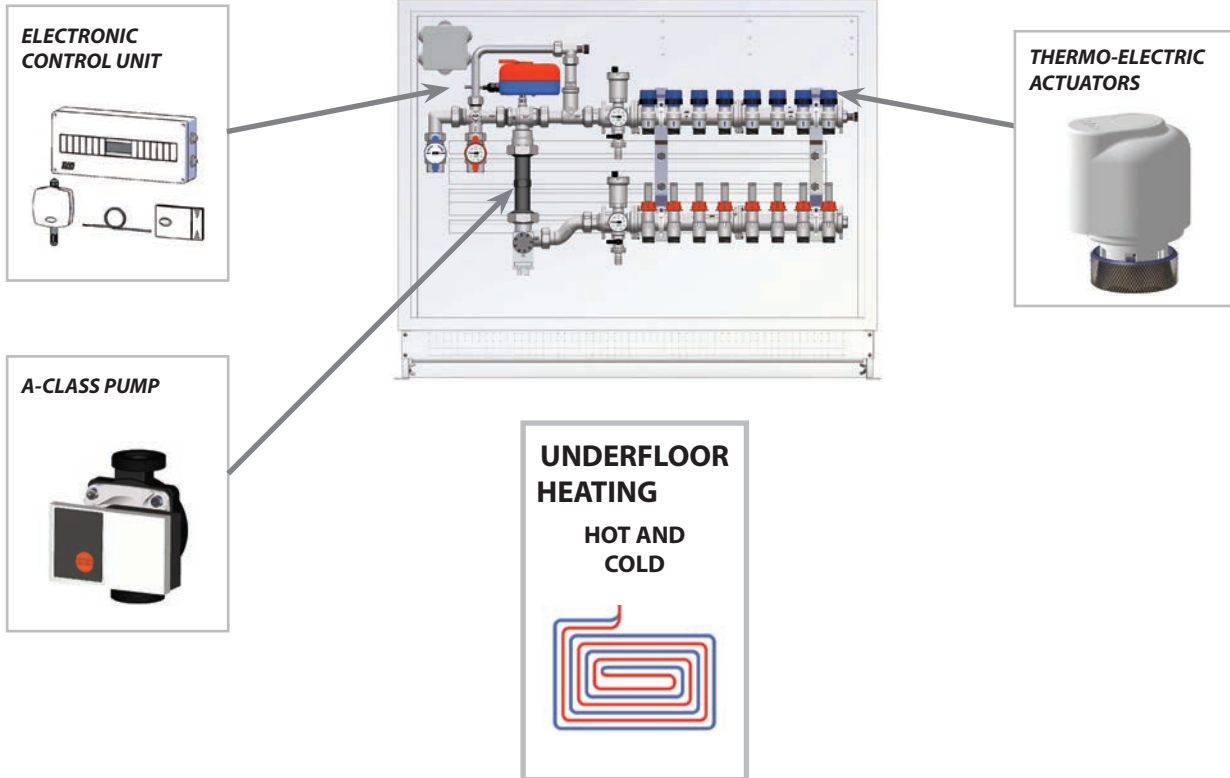
SET POINT REGULATING UNIT

The set point regulating unit allows to have a heating system with two temperature levels. The high temperature works with the heat generator pump and is suitable to be connected to the radiators. The set point mixing group allows to reduce the temperature until the desired value is reached and to distribute the fluid through a pump to the manifolds connected to the underfloor heating. The system can be divided in different areas by installing thermo-electric actuators on each manifold outlet.



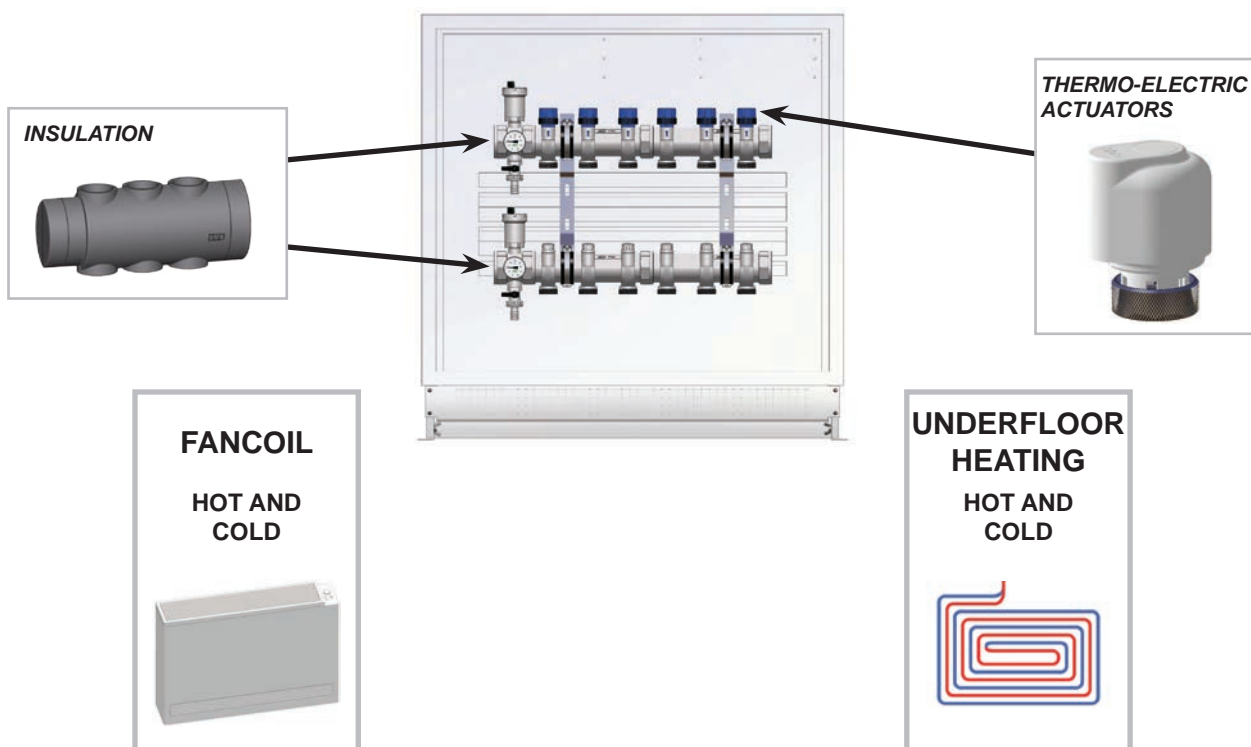
MODULATING/REGULATING UNITS

The modulating/regulating unit allows to have fan coils or underfloor heating and/or cooling system. The modulating mixing group is equipped with a 3-point mixing valve and a dedicated pump which has to be connected to an electronic control unit. The system can be divided in different areas by installing thermo-electric actuators on each manifold outlet. Insulation shells to cover the manifolds are available, if needed.



1"1/2 THERMO-ELECTRIC MANIFOLDS

These large size manifolds have been designed for industrial applications in case of heating and/or cooling systems. They are suitable to connect fan coils or underfloor systems. The system can be divided in different areas by installing thermo-electric actuators on each manifold outlet. Insulation shells to cover the manifolds are available, if needed.



2 wired thermo-electric actuator provided with selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection level: IP54



- NC = NORMALLY CLOSED
- NA = NORMALLY OPEN

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1909-1919-1929-1939

Code	voltage	opening time	type	€	box	pack
1909	24 V	180 s	NC	36,74	1	100
1919	230 V	180 s	NC	36,74	1	100
1929	24 V	180 s	NA	36,74	1	100
1939	230 V	180 s	NA	36,74	1	100

4 wired thermo-electric actuator with auxiliary micro-switch and selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection level: IP54



- NC = NORMALLY CLOSED

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1914-1924-1913-1923

Code	voltage	opening time	type	€	box	pack
1914	24 V	180 s	NC	39,52	1	100
1924	230 V	180 s	NC	39,52	1	100
1913	24 V	90 s	NC	42,54	1	100
1923	230 V	90 s	NC	42,54	1	100

Electronic chrono-thermostat complete with weekly programmable clock and digital display.

- Battery operated (by two AA 1,5V alkaline batteries – not supplied)
- Operating mode: AUTO, COMFORT, ECONOMY and OFF / Frost protection
- Program range: 30 minutes
- Hot/Cold switch
- Wall assembly

ART. 7946

Code	€	box	pack
7946	141,87	1	-



Chrome-plated adapter suitable for installation of electric actuators on thermo-electric manifolds.

- M30x1,5 thread

ART. 1942

Code	€	box	pack
1942	2,69	1	-



Electronic thermostat for heating and cooling systems.

- Digital display and function keys
- Hot/Cold switch
- Operation: COMFORT, ECONOMY and OFF
- Supplied by two AAA 1,5 V batteries



ART. 7944

Code	€	box	pack
7944	64,19	1	-

Electronic chrono-thermostat, with weekly programming for the control of heating and air conditioning systems, with the possibility of remote control via SMS messages.

- Backlit display and function keys
- Weekly programming with three temperature levels
- 2 auxiliary alarm inputs (clean contacts)
- 1 relay auxiliary output (clean contacts) programmable by user
- Backup battery for programming data and clock / calendar maintenance
- Power reserve, to send a power failure message (BLACK-OUT)
- Power supply 230V-50Hz
- Suitable sims: GSM SIM, standard with the GSM 11.12 phase 2+ standard



ART. 7943

Code	€	box	pack
7943	441,66	1	-

Electromechanical room thermostat complete with steam sensor.

- Scale: 10÷30° C
- Differential: 0,8 K
- System of limitation and/or locking of T selector
- Protection level: IP20
- Electrical connection with two wires
- Current carrying capacity: 10(2,5)A 250V a.c.

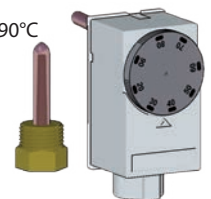


ART. 7948

Code	€	box	pack
7948	19,61	1	-

Immersion thermostat.

- Control temperature range: 10÷90°C
- Protection level: IP40
- Sheath: 1/2" (l=50mm)



ART. 7950

Code	€	box	pack
7950	47,45	1	-

Chrome-plated fitting with double connection.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Sealing O-Ring in EDPM-P
- Suitable for plastic and multilayer pipes up to Ø14mm



ART. 3424



Code	size	€	box	pack
3424	24x19	14,16	5	-

Chrome-plated flowmeter.

- Measuring scale: 1-3,5 litres/min.
- Measuring scale: 2-8 litres/min.
- Interchangeable size for copper, plastic and multilayer pipes
- Suitable for installation on return manifolds

ART. 3429



Code	l/min	€	box
3429 4	1 - 3,5	32,93	12
3429 8	2-8	32,93	12



Chrome-plated temperature gauge fitting.

- Interchangeable size for copper, plastic and multilayer pipes
- Temperature gauge: 0÷80°C



ART. 3434



Code	€	box
3434	18,43	1

Chrome-plated revolving terminal connection suitable for manifolds with fixed setting differential by-pass valve. Complete with chrome-plated air vent valve.

ART. 3420



Code	size	€	box
3420 1	1"	16,73	1
3420 114	1"1/4	18,43	1



Chrome-plated revolving terminal connection suitable for manifolds.

ART. 3421



Code	size	€	box
3421 1	1"	8,19	1
3421 114	1"1/4	9,96	1



Chrome-plated by-pass kit for manifolds, complete with revolving connections, fixed setting differential by-pass valve and air vent valve.



ART. 3422



Code	size	€	box
3422 1	1"	24,60	1
3422 114	1"1/4	28,03	1

Chrome-plated by-pass kit for manifolds, complete with revolving connections, fixed setting differential by-pass valve, chrome-plated pipe and air vent valve.



ART. 3423

Code	size	€	box
3423 1	1"	34,96	1
3423 114	1"1/4	38,38	1

Chrome-plated thermostatic mixer for underfloor heating systems.

- Control temperature range: 18÷55°C
- Side connections: 1" - 1"1/2 male
- Pump connection with 1"1/2 nut



ART. 3951

Code	size	€	box
3951 1	1"	137,77	1
3951 112	1"1/2	704,85	1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for thermo-electric manifolds.
(Art. 3913-3923-3914-3915-3911-3921-3917-3918-3910-3920)

Anti-condensate protection shell made of thermo-formed expanded polyethylene for intermediate connections (ART. 3438-3445).



ART. 9300

Code	outlets	size	€	box
9300 102	2	1"	15,64	1
9300 103	3	1"	16,27	1
9300 104	4	1"	16,92	1
9300 11402	2	1"1/4	16,26	1
9300 11403	3	1"1/4	16,99	1
9300 11202	2	1"1/2	16,47	1
9300 11203	3	1"1/2	18,83	1



ART. 9301

Code	size	€	box
9301 1	1"	15,35	1
9301 114	1"1/4	15,72	1
9301 112	1"1/2	16,92	1

End plug made of velcro for protection shell (ART. 9300) suitable for manifolds with built-in regulating valves (ART. 3923-3915-3921-3918).



ART. 9302

Code	outlets	size	€	box
9302 102	2	1"	6,55	1
9302 103	3	1"	7,14	1

1" THERMO-ELECTRIC MANIFOLDS

PORTS	PURCHASE CODES TO MAKE THE INSULATION
2	9300 102
3	9300 103
4	9300 104
5	9300 103 + 9300 102
6	(2x) 9300 103
7	9300 104 + 9300 103
8	(2x) 9300 104
9	(3x) 9300 103
10	(2x) 9300 104 + 9300 102
11	(2x) 9300 104 + 9300 103
12	(3x) 9300 104

1"1/4 THERMO-ELECTRIC MANIFOLDS

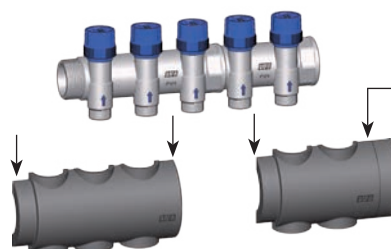
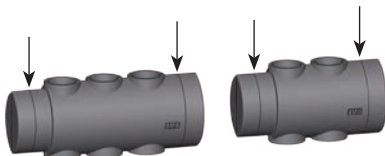
PORTS	PURCHASE CODES TO MAKE THE INSULATION
2	9300 11402
3	9300 11403
4	(2x) 9300 11402
5	9300 11403 + 9300 11402
6	(2x) 9300 11403
7	9300 11403 + (2x) 9300 11402
8	(2x) 9300 11403 + 9300 11402
9	(3x) 9300 11403
10	(2x) 9300 11403 + (2x) 9300 11402
11	(3x) 9300 11403 + 9300 11402
12	(4x) 9300 11403

1"1/2 THERMO-ELECTRIC MANIFOLDS

PORTS	PURCHASE CODES TO MAKE THE INSULATION
2	9300 11202
3	9300 11203
4	(2x) 9300 11202
5	9300 11203 + 9300 11202
6	(2x) 9300 11203
7	9300 11203 + (2x) 9300 11202
8	(2x) 9300 11203 + 9300 11202
9	(3x) 9300 11203
10	(2x) 9300 11203 + (2x) 9300 11202
11	(3x) 9300 11203 + 9300 11202
12	(4x) 9300 11203

The grooves on the anticondensation shells indicate the exact cut point in the event to join two or more shells to insulate the manifold.

In the case of a 5 port thermo-electric manifold, the cuts should be the following:

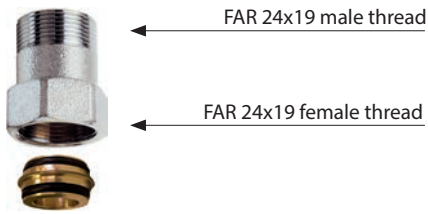


If at the end of the manifold a plug is placed, it is not necessary to cut the last part of the shell.

⚠ Make the cuts according to your system requirements!

Chrome-plated straight extension.

- interchangeable sizes for copper, plastic and multilayer pipe
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only

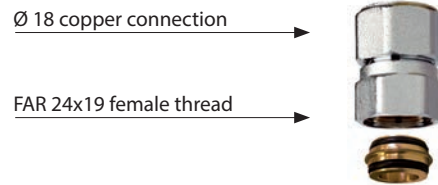


ART. 8850

Code	length/mm	€	box	pack
8850 30	30	3,41	25	250
8850 35	35	3,41	25	250
8850 40	40	3,41	25	250

Chrome-plated straight extension. Permits changing a FAR 24 x 19 male thread in a Ø 18 connection for copper pipe.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only

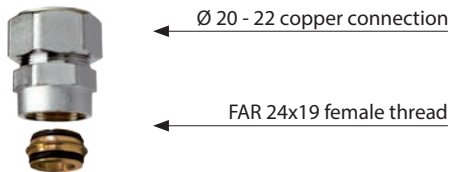


ART. 8850

Code	size	length/mm	€	box	pack
8850 G1830	24x19 - Ø18	30	6,40	25	250
8850 G1835	24x19 - Ø18	35	6,40	25	250
8850 G1840	24x19 - Ø18	40	6,40	25	250

Chrome-plated straight extension. Permits changing a FAR 24 x 19 male thread in a Ø 20-22 connection for copper pipe.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only

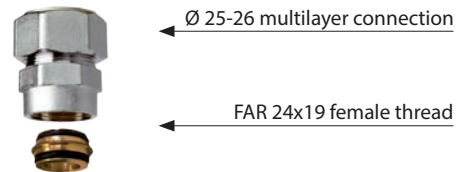


ART. 8850

Code	size	length/mm	€	box	pack
8850 G2030	24x19 - Ø 20	30	8,01	25	250
8850 G2230	24x19 - Ø 22	30	8,01	25	250

Chrome-plated straight extension. Permits changing a FAR 24 x 19 male thread in a Ø 25-26 connection for multilayer pipe.

- Ø 25-26 multilayer adapter
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only

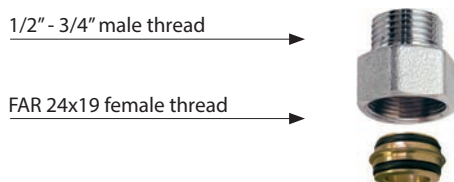


ART. 8854

Code	size	length/mm	€	box	pack
8854 25	24x19 - Ø 25x2,5	30	11,93	10	250
8854 26	24x19 - Ø 26x3	30	11,93	10	250

Chrome-plated reducer. Permits changing a FAR 24X19 male thread in a 1/2" - 3/4" male thread.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only

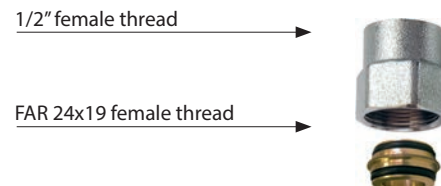


ART. 8865

Code	size	length/mm	€	box	pack
8865 3012	24x19 - 1/2" flat faced	30	3,37	25	250
8865 3034	24x19 - 3/4" flat faced	30	3,37	25	250
8865 3034EU	24x19 - 3/4" Eurokonus	30	3,37	25	250

Chrome-plated reducer. Permits changing a FAR 24X19 male thread in a 1/2" female thread.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only



ART. 8870

Code	size	length/mm	€	box	pack
8870 30	24x19 - 1/2"	30	3,37	25	250

Chrome-plated intermediate connection.

- Size: 1"-1 1/4" female-female
- Connections: 3/8" - 3/8" - 1/2"



ART. 3430

Code	size	€	box	pack
3430 1	1"	8,83	10	120
3430 114	1 1/4"	14,27	5	40

Chrome-plated intermediate connection.

- Size: 3/4" - 1" female-female
- Connections: 3/8" - 1/2"



ART. 3430TC

Code	size	€	box	pack
3430 34TC	3/4"	6,77	10	120
3430 1TC	1"	8,16	10	120

Chrome-plated intermediate FLANGED connection. Provided with screws and O-ring for connection.

- Size: 1" female-female
- Connections: 3/8" - 3/8" - 1/2"



ART. 3441

Code	size	€	box	pack
3441 1	1"x3/8"	11,90	10	80

Chrome-plated intermediate connection complete with air vent valve, temperature gauge and plug.

- Size: 1"-1 1/4" - 1 1/2" female-female
- Temperature gauge: 0÷80°C

ART. 3435

Code	size	€	box
3435 1	1"	29,73	1
3435 114	1 1/4"	34,14	1
3435 112	1 1/2"	43,87	1



Chrome-plated intermediate connection complete with air vent valve, thermo-manometer and plug.

- Size: 1"-1 1/4" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3436

Code	size	€	box
3436 1	1"	43,43	1
3436 114	1 1/4"	47,68	1

Chrome-plated intermediate connection complete with automatic air vent valve, temperature gauge and boiler drain cock.

- Size: 1"-1 1/4" - 1 1/2" female-female
- Temperature gauge: 0÷80°C

ART. 3438

Code	size	€	box
3438 1	1"	37,06	1
3438 114	1 1/4"	41,30	1
3438 112	1 1/2"	50,84	1



Chrome-plated intermediate connection complete with automatic air vent valve, thermo-manometer and boiler drain cock.

- Size: 1"-1 1/4" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3442

Code	size	€	box
3442 1	1"	52,04	1
3442 114	1 1/4"	56,29	1

Chrome-plated intermediate FLANGED connection, complete with automatic air vent valve, temperature gauge and plug.

- Provided with screws and O-ring for connection
- Size: 1" female-female
- Temperature gauge: 0÷80°C

ART. 3443

Code	size	€	box
3443 1	1"	32,12	1



Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, thermo-manometer and plug.

- Provided with screws and O-ring for connection
- Size: 1" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3444

Code	size	€	box
3444 1	1"	44,97	1

Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, temperature gauge and drain cock.

- Provided with screws and O-ring for connection
- Size: 1" female-female
- Temperature gauge: 0÷80°C

ART. 3445

Code	size	€	box
3445 1	1"	41,53	1



Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, thermo-manometer and drain cock.

- Provided with screws and O-ring for connection
- Size: 1" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3446

Code	size	€	box
3446 1	1"	56,42	1

Chrome-plated temperature gauge fitting.

- Size: 1" male-female
- Side connection: 3/8" female


ART. 3431

Code	size	€	box
3431 1	1"	7,40	5

Chrome-plated intermediate connection for manifolds, preset for installation of air vent valve, temperature gauge and drain cock.

- Size: 1" male-female


ART. 3440

Code	size	€	box	pack
3440 1	1"	14,26	10	80

Chrome-plated temperature gauge fitting complete with temperature gauge.

- Size: 1" male-female
- Temperature gauge: 0÷80°C


ART. 3432

Code	size	€	box
3432 1	1"	18,70	1

Chrome-plated terminal connection for manifolds, complete with manual air vent valve and drain cock

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 3/8" x 1/2" female

ART. 4070M

Code	size	outlets	€	box
4070 M3438	3/4"	3/8"x1/2"	18,00	1
4070 M138	1"	3/8"x1/2"	18,68	1
4070 M11438	1"1/4	3/8"x1/2"	20,76	1
4070 M11238	1"1/2	3/8"x1/2"	22,60	1



Chrome-plated terminal connection for manifolds, complete with automatic air vent valve and drain cock.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 3/8" x 1/2" female

ART. 4070

Code	size	outlets	€	box
4070 3438	3/4"	3/8"x1/2"	24,31	1
4070 138	1"	3/8"x1/2"	25,40	1
4070 11438	1"1/4	3/8"x1/2"	27,22	1
4070 11238	1"1/2	3/8"x1/2"	29,34	1



Chrome-plated terminal connection for manifolds, complete with manual air vent valve and drain cock.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 3/8" x 1/2" female

ART. 4071M

Code	size	outlets	€	box
4071 M3438	3/4"	3/8"x1/2"	19,38	1
4071 M138	1"	3/8"x1/2"	20,78	1
4071 M11438	1"1/4	3/8"x1/2"	23,42	1
4071 M11238	1"1/2	3/8"x1/2"	25,89	1



Chrome-plated terminal connection for manifolds, complete with automatic air vent valve and drain cock.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 3/8" x 1/2" female

ART. 4071

Code	size	outlets	€	box
4071 3438	3/4"	3/8"x1/2"	24,86	1
4071 138	1"	3/8"x1/2"	26,26	1
4071 11438	1"1/4	3/8"x1/2"	28,90	1
4071 11238	1"1/2	3/8"x1/2"	31,37	1



Chrome-plated terminal connection for manifolds. Double radial connection.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 1/2" x 1/2" female
3/8" x 1/2" female


ART. 4060

Code	size	outlets	€	box	pack
4060 3438	3/4"	3/8"x1/2"	6,17	25	250
4060 3412	3/4"	1/2"x1/2"	6,17	25	250
4060 138	1"	3/8"x1/2"	6,82	25	250
4060 112	1"	1/2"x1/2"	6,82	25	250
4060 11438	1"1/4	3/8"x1/2"	8,97	20	200
4060 11412	1"1/4	1/2"x1/2"	8,97	20	200
4060 11238	1"1/2	3/8"x1/2"	11,00	1	-
4060 11212	1"1/2	1/2"x1/2"	11,00	1	-

Chrome-plated terminal connection for manifolds. Double radial connection.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 1/2" x 1/2" female
3/8" x 1/2" female


ART. 4061

Code	size	outlets	€	box	pack
4061 3438	3/4"	3/8"x1/2"	6,67	25	250
4061 3412	3/4"	1/2"x1/2"	6,67	25	250
4061 138	1"	3/8"x1/2"	8,02	25	250
4061 112	1"	1/2"x1/2"	8,02	25	250
4061 11438	1"1/4	3/8"x1/2"	10,54	20	200
4061 11412	1"1/4	1/2"x1/2"	10,54	20	200
4061 11238	1"1/2	3/8"x1/2"	12,90	1	-
4061 11212	1"1/2	1/2"x1/2"	12,90	1	-

Chrome-plated boiler drain cock.

ART. 3439

Code	size	€	box
3439 12	1/2"	9,53	10



Brass boiler drain cock.

ART. 3447

Code	size	€	box
3447 12	1/2"	8,25	10



Chrome-plated straight terminal blanking reduction for modular manifolds complete with gasket.

- Connection: 3/4"-1" female
- Outlets: 1/4"-3/8"-1/2" female
- Connection: 1"1/4 female
- Outlets: 1/4"-3/8"-1/2" female

**ART. 4000**

Code	size	€	box	pack
4000 3414	3/4"x1/4"	2,69	30	300
4000 3438	3/4"x3/8"	2,69	30	300
4000 3412	3/4"x1/2"	2,69	30	300
4000 114	1"x1/4"	3,52	30	300
4000 138	1"x3/8"	3,52	30	300
4000 112	1"x1/2"	3,52	30	300
4000 11414	1"1/4x1/4"	3,90	25	250
4000 11438	1"1/4x3/8"	3,90	25	250
4000 11412	1"1/4x1/2"	3,90	25	250
4000 11434	1"1/4x3/4"	4,61	25	250

Chrome-plated angled terminal blanking reduction for modular manifolds.

- Connection: 3/4"-1"- 1"1/4 female
- Outlets: 1/4"-3/8"-1/2" female

**ART. 4050**

Code	size	€	box	pack
4050 3414	3/4"x1/4"	3,99	30	240
4050 3438	3/4"x3/8"	3,99	30	240
4050 3412	3/4"x1/2"	3,99	30	240
4050 114	1"x1/4"	5,00	30	180
4050 138	1"x3/8"	5,00	30	180
4050 112	1"x1/2"	5,00	30	180
4050 11438	1"1/4x3/8"	6,66	30	180
4050 11412	1"1/4x1/2"	6,66	30	180

Chrome-plated blind cap complete with gasket.

- Body made of CW617N brass

**ART. 4100**

Code	size	€	box	pack
4100 12	1/2"	1,36	50	500
4100 34	3/4"	2,05	40	400
4100 1	1"	2,76	30	300
4100 114	1"1/4	3,48	30	300
4100 112	1"1/2	5,73	15	240
4100 2	2"	8,90	15	240

KIT for manifold outlets complete with chrome-plated nut.
(Adaptable to all interchangeable outlets).
Ø 18 outlets excluded.

**ART. 4250**

Code	size	€	box	pack
4250	24x19	1,97	50	400

Chrome-plated male plug for manifold outlets.

**ART. 4125**

Code	size	€	box	pack
4125 12	1/2"	1,11	30	-

Chrome-plated terminal blanking reduction with O-ring seal for manifolds with connection for air vent valve.

ART. 4200

Code	size	€	box	pack
4200 3414	3/4"x1/4"	2,53	25	250
4200 3438	3/4"x3/8"	2,53	25	250
4200 3412	3/4"x1/2"	2,76	25	250
4200 114	1"x1/4"	2,93	25	250
4200 138	1"x3/8"	2,93	25	250
4200 112	1"x1/2"	3,15	25	250
4200 134	1"x3/4"	5,06	25	250
4200 11412	1"1/4x1/2"	4,46	25	250
4200 11434	1"1/4x3/4"	5,42	25	250
4200 1141	1"1/4x1"	5,42	25	250
4200 1121	1"1/2x1"	7,80	10	100
4200 21	2"x1"	12,44	10	100

Chrome-plated terminal blanking plug with O-ring seal for manifolds.

ART. 4150

Code	size	€	box	pack
4150 34	3/4"	2,34	25	250
4150 1	1"	2,75	25	250
4150 114	1"1/4	4,55	25	250
4150 112	1"1/2	7,43	10	100
4150 2	2"	11,82	10	100



Chrome-plated connection for coplanar and flanged manifolds.
Interchangeable sizes for copper, plastic and multilayer pipe.

**ART. 4300**

Code	size	€	box	pack
4300 34	3/4"	3,23	25	200
4300 1	1"	3,69	25	200



End closing plug for flanged manifolds.

**ART. 4310**

Code	size	€	box
4310 1	1"	3,69	30

Kit for plastic pipes. Suitable for all our products with 24x19 interchangeable connection.

Complete with:

- adapter for plastic pipe
- brass ring
- chrome-plated nut with 24x19 thread


ART. 6052


Code	pipe	Ø external diameter	€	box	pack
6052 95147	plastic	10,5x1,25	3,16	50	500
6052 48186	plastic	12x2,15	3,16	50	500
6052 4847	plastic	12x2	3,16	50	500
6052 48184	plastic	12x1,5	3,16	50	500
6052 481005	plastic	12x1,35	3,16	50	500
6052 9761005	plastic	12,7x1,7	3,16	50	500
6052 976186	plastic	12,7x2,4	3,16	50	500
6052 6563	plastic	14x1,5	3,16	50	500
6052 6545	plastic	14x2	3,16	50	500
6052 4645	plastic	15x2,5	3,16	50	500
6052 4663	plastic	15x2	3,16	50	500
6052 46173	plastic	15x1,7	3,16	50	500
6052 4661	plastic	15x1,5	3,16	50	500
6052 5863	plastic	16x2,5	3,16	50	500
6052 58173	plastic	16x2,2	3,16	50	500
6052 5861	plastic	16x2	3,16	50	500
6052 58262	plastic	16x1,8	3,16	50	500
6052 5864	plastic	16x1,5	3,16	50	500
6052 58180	plastic	16x2,7	3,16	50	500
6052 15061	plastic	16,8x2,4	3,16	50	500
6052 150829	plastic	17x2,25	3,16	50	500
6052 15043	plastic	17x2	3,16	50	500
6052 6043	plastic	17,8x2,4	3,16	50	500
6052 60180	plastic	17,8x3,6	3,16	50	500
6052 4443	plastic	18x2,5	3,16	50	500
6052 44221	plastic	18x2,2	3,16	50	500
6052 4468	plastic	18x2	3,16	50	500
6052 8043	plastic	20x3,5	3,16	50	500
6052 8068	plastic	20x3	3,16	50	500
6052 80185	plastic	20x2,8	3,16	50	500
6052 80222	plastic	20x2,3	3,16	50	500
6052 8069	plastic	20x2,15	3,16	50	500
6052 80214	plastic	20x2	3,16	50	500
6052 80261	plastic	20x1,9	3,16	50	500

Kit for MULTILAYER pipes. Suitable for all our products with 24x19 interchangeable connection.

Complete with:

- adapter for multilayer pipe
- brass ring
- chrome-plated nut with 24x19 thread


ART. 6055


Code	pipe	Ø external diameter	€	box	pack
6055 902901	multilayer	11,6x1,5	3,41	50	500
6055 481156	multilayer	12x1,6	3,41	50	500
6055 48901	multilayer	12x1,8	3,41	50	500
6055 65193	multilayer	14x2	3,41	50	500
6055 46193	multilayer	15x2,5	3,41	50	500
6055 58190	multilayer	16x2	3,41	50	500
6055 58200	multilayer	16x2,25	3,41	50	500
6055 58278	multilayer	16,2x2,6	3,41	50	500
6055 150200	multilayer	16,8x2,5	3,41	50	500
6055 150810	multilayer	17x2	3,41	50	500
6055 44191	multilayer	18x2	3,41	50	500
6055 80204	multilayer	20x2	3,41	50	500
6055 80192	multilayer	20x2,25	3,41	50	500
6055 80201	multilayer	20x2,5	3,41	50	500
6055 80191	multilayer	20x2,9	3,41	50	500

Sealing compression KIT in rubber for copper pipe.

Complete with:

- brass pipe guide washer
- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread


ART. 8427


Code	pipe	size	€	box	pack
8427 10	copper	Ø 10	1,83	100	500
8427 12	copper	Ø 12	1,83	100	500
8427 14	copper	Ø 14	1,83	100	500

Sealing compression KIT in rubber for copper pipe.

Complete with:

- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread


ART. 8429


Code	pipe	size	€	box	pack
8429 15	copper	Ø 15	1,72	100	500
8429 16	copper	Ø 16	1,72	100	500



05

Manifolds and accessories

	page
MULTIFAR manifolds and accessories	151
START multipurpose modular manifolds and accessories	155
Distribution manifolds	157
Accessories for distribution manifolds	160
Coplanar manifolds	162
Plugs and reductions for manifolds	163
Adapters and sealing kit	164
Products complete with nut and sealing kit for Ø 18 copper pipe	165

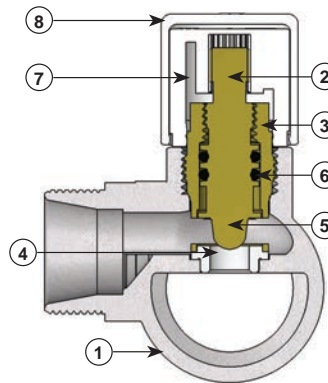
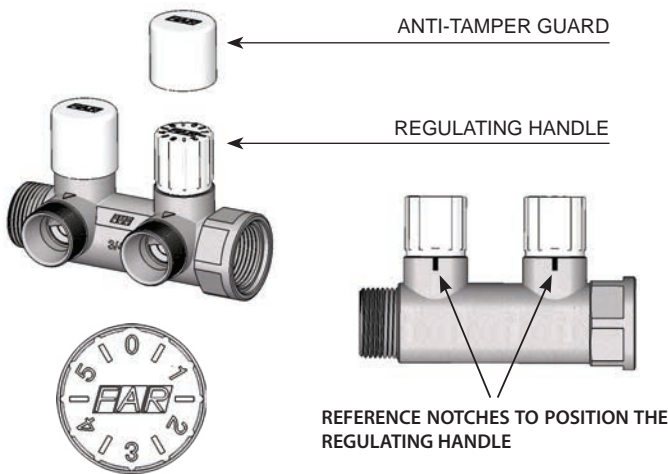
MULTIFAR MANIFOLDS WITH BALANCING BODIES

MULTIFAR MANIFOLDS WITH BALANCING BODIES allow quick adjustment of the desired flow rate into the different circuits using the numbered settings on the handle, enabling regulation without the use of tools in even the most confined spaces. The anti-tampering cap prevents interference with the lockshield valve adjustment. The unique profile of the regulating stem makes it possible to achieve almost linear flow rate variation.

The regulation system and assembly of the balancing body are subject to patent.



TECHNICAL FEATURES



1	Body: CB753S brass
2	Stem: CW617N brass
3	Body: CW617N brass
4	Body seat: P.T.F.E.
5	Shutter: CW617N brass
6	Sealing O-Ring: EPDM
7	Handle: ABS
8	Anti-tamper guard: ABS

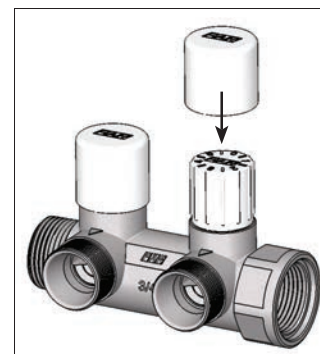
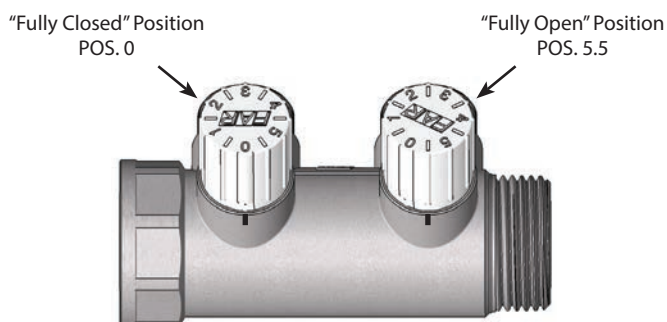
REGULATION

Adjustment is carried out by means of the handle indicating the reference numbers.

The handle stroke is less than 360° and ranges between position 0 (lockshield valve fully closed) and 5.5 (lockshield valve fully open). The handle position is easily identified by the reference notches on the manifold.

To install the anti-tamper guard, simply press it onto the regulating handle.

The white cap turns freely as it is not gripped by the handle, therefore eliminating the possibility of interference.



MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm

NB Insulation on page 161



ART. 3825

Code	size	€	box	pack
3825 34	3/4"	20,59	1	25
3825 1	1"	23,67	1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm

NB Insulation on page 161



ART. 3850

Code	size	€	box	pack
3850 34	3/4"	28,43	1	25
3850 1	1"	31,64	1	25

MULTIFAR - 4 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" female-female
- Centre distance between ports: 45 mm



ART. 3855

Code	size	€	box	pack
3855 34	3/4"	37,26	1	25

MULTIFAR - 4 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm

NB Insulation on page 161



ART. 3856

Code	size	€	box	pack
3856 34	3/4"	37,26	1	25
3856 1	1"	41,87	1	25

MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connection: 3/4" female
- Centre distance between ports: 45 mm



ART. 3826

Code	size	€	box	pack
3826 34	3/4"	20,59	1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connection: 3/4" female
- Centre distance between ports: 45 mm



ART. 3851

Code	size	€	box	pack
3851 34	3/4"	28,43	1	25

MULTIFAR - Chrome-plated modular manifold for both domestic services and heating systems. Complete with balancing lockshield valves.

- Body in CB753S brass
- Numbered regulating handle with anti-tamper guard
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm
- **Patented**


ART. 3878


Code	outlets	size	€	box	pack
3878 3402	2	3/4"	21,34	1	25
3878 3403	3	3/4"	29,57	1	25
3878 3404	4	3/4"	39,02	1	25
3878 102	2	1"	24,77	1	25
3878 103	3	1"	32,85	1	25
3878 104	4	1"	43,52	1	25

MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm


ART. 3875


Code	size	€	box	pack
3875 34	3/4"	19,81	1	25
3875 1	1"	22,87	1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm


ART. 3900


Code	size	€	box	pack
3900 34	3/4"	27,30	1	25
3900 1	1"	30,52	1	25

MULTIFAR - 4 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" female-female
- Centre distance between ports: 45 mm


ART. 3905


Code	size	€	box	pack
3905 34	3/4"	35,74	1	25

MULTIFAR - 4 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm


ART. 3906


Code	size	€	box	pack
3906 34	3/4"	35,74	1	25
3906 1	1"	40,35	1	25

MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connection: 3/4" female
- Centre distance between ports: 45 mm


ART. 3876


Code	size	€	box	pack
3876 34	3/4"	19,81	1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connection: 3/4" female
- Centre distance between ports: 45 mm


ART. 3901


Code	size	€	box	pack
3901 34	3/4"	27,30	1	25

MULTIFAR - Modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB770S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm

NB Insulation on page 161



ART. 3834 - 3835 - 3837



Code	outlets	size	€	box	pack
3834 34	2	3/4"	21,27	1	25
3834 1	2	1"	24,63	1	25
3835 34	3	3/4"	30,29	1	25
3835 1	3	1"	34,53	1	25
3837 34	4	3/4"	40,84	1	25
3837 1	4	1"	45,47	1	25

MULTIFAR - Modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB770S brass
- Interchangeable sizes with M33x1,5 thread for ø 25-26 plastic and multilayer pipe
- Side connections: 1"1/4" male-female
- Centre distance between ports: 70 mm

NB Insulation on page 161



Kit for multilayer pipes. Suitable for our MULTIFAR manifold art. 3827.

Complete with:

- adapter for multilayer pipe
- brass ring
- brass nut with M33x1,5 thread

ART. 3827

Code	outlets	size	€	box
3827 11402	2	1"1/4	58,88	1
3827 11403	3	1"1/4	83,81	1
3827 11404	4	1"1/4	119,24	1
3827 11405	5	1"1/4	144,79	1
3827 11406	6	1"1/4	169,83	1
3827 11407	7	1"1/4	205,40	1
3827 11408	8	1"1/4	230,44	1
3827 11409	9	1"1/4	255,65	1
3827 11410	10	1"1/4	291,08	1



ART. 6056

Code	pipe	Ø external diameter	€	box	pack
6056 263274	multilayer	20x2	6,49	25	250
6056 263264	multilayer	20x2,25	6,49	25	250
6056 263265	multilayer	20x2,5	6,49	25	250
6056 219218	multilayer	25x2,5	6,49	25	250
6056 220218	multilayer	26x3	6,49	25	250

Brass reduction with M33x1,5 thread for modular MULTIFAR manifolds art. 3827. Ø 18-22 versions are complete with sealing kit.



ART. 8851

Code	from size	to size	€	box
8851 30	25-26	24x19	4,72	25
8851 G1830	25-26	24x19 Ø 18	6,36	25
8851 G2230	25-26	Ø 22	7,48	25

Reduction with M33x1,5 - 3/4" thread for modular MULTIFAR manifolds art. 3827.



ART. 8791

Code	size	€	box
8791 34	3/4"	4,75	1

Blind cap with M33x1,5 thread for modular MULTIFAR manifolds art. 3827.



ART. 4101

Code	size	€	box
4101 126	25-26	4,53	1

“START” (Main module)

Chrome-plated multipurpose modular FLANGED manifold for water distribution and heating systems. Manual regulation. Complete with plug, regulating valve, BLUE - RED double-face disc and disc with numeric references for the connection to the water meter.

- Body made of CB770S brass
- INLET - 1"1/4 female
- OUTLET - 1/2" female
- INLET: 1"1/2 female
- OUTLET: 1/2" - 3/4" female
- INLET: 2" female
- OUTLET: 1" female



ART. 3874 

Code	outlets	size	€	box
3874 11412	1/2"	1"1/4	47,93	1
3874 11212	1/2"	1"1/2	60,62	1
3874 11234	3/4"	1"1/2	60,62	1
3874 21	1"	2"	90,70	1

“START” (Joining module - 100 mm centre distance between ports)

Chrome-plated multipurpose modular FLANGED manifold for water distribution and heating systems. Manual regulation. Complete with plug, regulating valve, BLUE - RED double-face disc and disc with numeric references for the connection to the water meter.

- Body made of CB770S brass
- INLET - 1"1/4 female
- OUTLET - 1/2" female
- INLET: 1"1/2 female
- OUTLET: 1/2" - 3/4" female
- INLET: 2" female
- OUTLET: 1" female



ART. 3874 

Code	outlets	centre dist.	size	€	box
3874 11412100	1/2"	100 mm	1"1/4	49,03	1
3874 11212100	1/2"	100 mm	1"1/2	60,75	1
3874 11234100	3/4"	100 mm	1"1/2	60,75	1
3874 21100	1"	100 mm	2"	81,17	1

“START” (Joining module - 200 mm centre distance between ports)

Chrome-plated multipurpose modular FLANGED manifold for water distribution and heating systems. Manual regulation. Complete with plug, regulating valve, BLUE - RED double-face disc and disc with numeric references for the connection to the water meter.

- Body made of CB770S brass
- INLET - 1"1/4 female
- OUTLET - 1/2" female
- INLET: 1"1/2 female
- OUTLET: 1/2" - 3/4" female
- INLET: 2" female
- OUTLET: 1" female



ART. 3874 

Code	outlets	centre dist.	size	€	box
3874 11412200	1/2"	200 mm	1"1/4	65,62	1
3874 11212200	1/2"	200 mm	1"1/2	79,74	1
3874 11234200	3/4"	200 mm	1"1/2	79,74	1
3874 21200	1"	200 mm	2"	98,93	1

Chrome-plated FLANGED extension for START manifolds.

- Body made of CB770S brass
- 100 mm centre distance between ports



ART. 3877

Code	centre dist.	size	€	box
3877 114	100 mm	1"1/4	41,42	1
3877 112	100 mm	1"1/2	47,23	1
3877 2	100 mm	2"	60,03	1

Chrome-plated intermediate connection.

- Size: 2" male-female
- Connections: 1/2" - 3/8" - 1/2"



ART. 3452

Code	size	€	box
3452 2	2"	31,58	1

Metal bracket complete with collars for START manifolds and manifolds with 100 mm. centre distance between ports.



ART. 7470

Code	size	€	box
7470 114	1"1/4	11,19	2
7470 112	1"1/2	11,62	2
7470 2	2"	12,34	2

Kit complete with 2 collars for START manifolds and manifolds with 100 mm. centre distance between ports. Preset to be hooked on metal brackets, art. 7485.



ART. 7495

Code	size	€	box
7495 114	1"1/4	7,81	10
7495 112	1"1/2	8,34	7
7495 2	2"	9,13	7

Chrome-plated terminal blanking plug for START manifolds.

- Complete with O-ring seat



ART. 4150

Code	size	€	box
4150 114	1"1/4	4,55	25
4150 112	1"1/2	7,43	10
4150 2	2"	11,82	10

Chrome-plated terminal blanking reduction for START manifolds.

- Complete with O-ring seal



ART. 4200

Code	size	€	box
4200 11412	1"1/4x1/2"	4,46	25
4200 11434	1"1/4x3/4"	5,42	25
4200 1141	1"1/4x1"	5,42	25
4200 1121	1"1/2x1"	7,80	10
4200 21	2"x1"	12,44	10

Chrome-plated flanged end closing plug for START manifolds.

- Complete with O-ring seal and screws



ART. 4310

Code	size	€	box
4310 114	1"1/4	5,73	25
4310 112	1"1/2	7,34	10
4310 2	2"	9,36	10

1 port brass modular manifold.

- Body made of CB770S
- Suitable for manifolds with 100 mm. centre distance between ports
- Inlet: 1" male-female
- Outlet: 1/2" female


ART. 3610

Code	outlets	size	€	box
3610 112	1/2"	1"	12,70	5

2 port brass modular manifold.

- Body made of CB770S
- Inlet: 1"-1"1/4 - 1"1/2 - 2" male-female
- Outlets: 1/2"-3/4"-1" female
- Centre distance between ports: 100 mm


ART. 3611

Code	outlets	size	€	box
3611 112	1/2"	1"	21,78	5
3611 11412	1/2"	1"1/4	33,57	3
3611 11434	3/4"	1"1/4	33,57	3
3611 11234	3/4"	1"1/2	41,97	1
3611 1121	1"	1"1/2	41,97	1
3611 234	3/4"	2"	57,62	1
3611 21	1"	2"	57,62	1

3 port brass modular manifold.

- Body made of CB770S
- Inlet: 1"-1"1/4 - 1"1/2 - 2" male-female
- Outlets: 1/2"-3/4"-1" female
- Centre distance between ports: 100 mm


ART. 3612

Code	outlets	size	€	box
3612 112	1/2"	1"	31,79	4
3612 11412	1/2"	1"1/4	47,65	3
3612 11434	3/4"	1"1/4	47,65	2
3612 11234	3/4"	1"1/2	62,09	1
3612 1121	1"	1"1/2	62,09	1
3612 234	3/4"	2"	82,90	1
3612 21	1"	2"	82,90	1

3 port brass modular manifold.

- Body made of CB770S
- Inlet: 3/4" female
- Outlets: 1/2" female
- Centre distance between ports: 100 mm


ART. 3614

Code	outlets	size	€	box
3614 3412	1/2"	3/4"	23,53	6

1 port brass modular manifold.

- Suitable for manifolds with 100 mm. centre distance between ports
- Body made of CB770S
- Inlet: 1" male-female
- Outlet: 3/4" male


ART. 3615

Code	outlets	size	€	box
3615 134	3/4"	1"	12,80	5

2 port brass modular manifold.

- Body made of CB770S
- Inlet: 1" - 1"1/4 - 1"1/2 - 2" male-female
- Outlets: 1/2" - 3/4" - 1" male
- Centre distance between ports: 100 mm


ART. 3616

Code	outlets	size	€	box
3616 112	1/2"	1"	21,78	5
3616 134	3/4"	1"	21,78	5
3616 11434	3/4"	1"1/4	33,57	3
3616 1141	1"	1"1/4	33,57	3
3616 1121	1"	1"1/2	41,97	1
3616 21	1"	2"	57,62	1

3 port brass modular manifold.

- Body made of CB770S
- Inlet: 1" - 1"1/4 - 1"1/2 - 2" male-female
- Outlets: 1/2" - 3/4" - 1" male
- Centre distance between ports: 100 mm


ART. 3617

Code	outlets	size	€	box
3617 112	1/2"	1"	31,79	4
3617 134	3/4"	1"	31,79	4
3617 11434	3/4"	1"1/4	47,65	2
3617 1141	1"	1"1/4	47,65	2
3617 1121	1"	1"1/2	62,09	1
3617 21	1"	2"	82,90	1

2 port brass modular manifold to be used with manifolds with 100 mm. centre distance between ports.

- Body made of CB770S brass
- Inlet: 1"1/2 male-female
- Outlets: 1/2" - 3/4" female

**ART. 3618**

Code	outlets	size	€	box	pack
3618 11212	1/2"	1"1/2	25,30	1	18
3618 11234	3/4"	1"1/2	25,30	1	18

4 port brass modular manifold.

- Body made of CB770S brass
- Inlet: 1"1/2 male-female
- Outlets: 1/2" - 3/4" female
- Centre distance between ports: 100 mm

**ART. 3619**

Code	outlets	size	€	box	pack
3619 11212	1/2"	1"1/2	42,87	1	10
3619 11234	3/4"	1"1/2	42,87	1	10

6 port brass modular manifold.

- Body made of CB770S brass
- Inlet: 1"1/2 male-female
- Outlets: 1/2" - 3/4" female
- Centre distance between ports: 100 mm

**ART. 3620**

Code	outlets	size	€	box	pack
3620 11212	1/2"	1"1/2	59,84	1	10
3620 11234	3/4"	1"1/2	59,84	1	10

Brass terminal blanking plug for modular manifolds.

- Body made of CW602N brass
- O-ring seal

**ART. 4149**

Code	size	€	box	pack
4149 1	1"	2,53	25	250
4149 114	1"1/4	4,76	25	250
4149 112	1"1/2	7,53	10	160
4149 2	2"	9,85	10	100

Brass blind cap.

- Body made of CW602N brass
- Complete with gasket

**ART. 4099**

Code	size	€	box	pack
4099 1	1"	2,93	30	300
4099 114	1"1/4	3,74	30	300
4099 112	1"1/2	6,20	15	240
4099 2	2"	9,23	10	160

Brass terminal blanking reduction for modular manifolds.

- Body made of CW602N brass
- O-ring seal

**ART. 4199**

Code	size	€	box	pack
4199 138	1"x3/8"	2,63	25	250
4199 112	1"x1/2"	2,88	25	250
4199 134	1"x3/4"	4,73	25	400
4199 11412	1"1/4x1/2"	5,68	25	400
4199 11434	1"1/4x3/4"	5,68	25	400
4199 1141	1"1/4x1"	5,68	25	400
4199 1121	1"1/2x1"	7,85	10	160
4199 21	2"x1"	10,24	10	100

Brass connection for modular manifolds.

- Body made of CW602N brass
- Interchangeable sizes for copper, plastic and multilayer pipe
- O-ring seal

**ART. 4299**

Code	size	€	box	pack
4299 34	3/4"	3,23	25	200
4299 1	1"	3,69	25	200



Brass connection for modular manifolds.

- Body made of CW602N brass
- Adapter for multilayer pipe Ø 25-26

**ART. 4301**

Code	size	Ø pipe	€	box	pack
4301 1219218	1"	25	11,18	10	100
4301 1220218	1"	26	11,18	10	100

Chrome-plated manifold.

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connection: 3/4" - 1" female
- Centre distance between ports: 36 mm


ART. 3000-3050-3100

Code	outlets	size	€	box	pack
3000 34	2	3/4"	7,67	14	140
3000 1	2	1"	8,94	12	120
3050 34	3	3/4"	10,59	10	100
3050 1	3	1"	11,78	8	80
3100 34	4	3/4"	13,12	8	80
3100 1	4	1"	16,11	6	60

Chrome-plated modular manifold.

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4"-1"-1"1/4 male-female
- Centre distance between ports: 50 mm


ART. 3401-3402-3403

Code	outlets	size	€	box	pack
3401 34	2	3/4"	9,88	12	120
3401 1	2	1"	11,43	8	80
3401 114	2	1"1/4	16,31	8	80
3402 34	3	3/4"	13,54	8	80
3402 1	3	1"	15,55	6	60
3402 114	3	1"1/4	23,30	6	60
3403 34	4	3/4"	17,34	6	80
3403 1	4	1"	20,08	4	60
3403 114	4	1"1/4	28,49	4	60

Chrome-plated modular manifold .

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 36 mm


ART. 3300-3350-3400

Code	outlets	size	€	box	pack
3300 34	2	3/4"	8,47	12	120
3300 1	2	1"	9,96	10	100
3350 34	3	3/4"	11,79	9	90
3350 1	3	1"	13,40	7	70
3400 34	4	3/4"	14,61	8	80
3400 1	4	1"	16,08	6	60

Chrome-plated modular FLANGED manifold complete with screws and O-ring for connection.

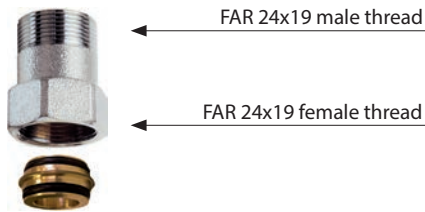
- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 1" female-female
- Centre distance between ports: 50 mm


ART. 3410

Code	outlets	size	€	box
3410 102	2	1"	16,33	1
3410 103	3	1"	20,88	1
3410 104	4	1"	35,29	1
3410 105	5	1"	39,77	1
3410 106	6	1"	44,26	1
3410 107	7	1"	58,44	1
3410 108	8	1"	62,93	1
3410 109	9	1"	67,41	1
3410 110	10	1"	80,89	1
3410 111	11	1"	85,34	1
3410 112	12	1"	89,81	1

Chrome-plated straight extension.

- interchangeable sizes for copper, plastic and multilayer pipe
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only

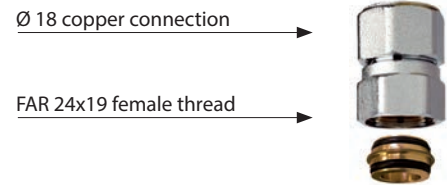


ART. 8850

Code	length/mm	€	box	pack
8850 30	30	3,41	25	250
8850 35	35	3,41	25	250
8850 40	40	3,41	25	250

Chrome-plated straight extension. Permits changing a FAR 24 x 19 male thread in a Ø 18 connection for copper pipe.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only

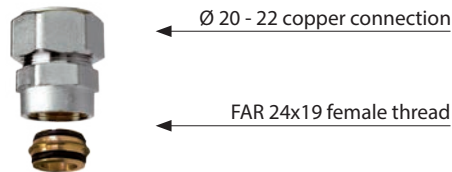


ART. 8850

Code	size	length/mm	€	box	pack
8850 G1830	24x19 - Ø18	30	6,40	25	250
8850 G1835	24x19 - Ø18	35	6,40	25	250
8850 G1840	24x19 - Ø18	40	6,40	25	250

Chrome-plated straight extension. Permits changing a FAR 24 x 19 male thread in a Ø 20-22 connection for copper pipe.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only

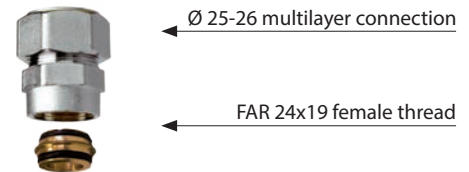


ART. 8850

Code	size	length/mm	€	box	pack
8850 G2030	24x19 - Ø 20	30	8,01	25	250
8850 G2230	24x19 - Ø 22	30	8,01	25	250

Chrome-plated straight extension. Permits changing a FAR 24 x 19 male thread in a Ø 25-26 connection for multilayer pipe.

- Ø 25-26 multilayer adapter
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only

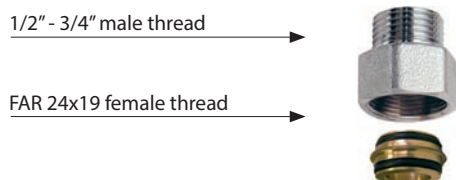


ART. 8854

Code	size	length/mm	€	box	pack
8854 25	24x19 - Ø 25x2,5	30	11,93	10	250
8854 26	24x19 - Ø 26x3	30	11,93	10	250

Chrome-plated reducer. Permits changing a FAR 24X19 male thread in a 1/2" - 3/4" male thread.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only

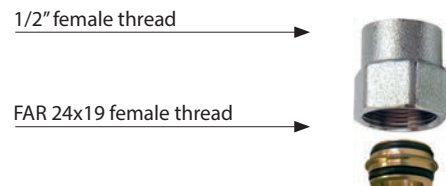


ART. 8865

Code	size	length/mm	€	box	pack
8865 3012	24x19 - 1/2" Flat faced	30	3,37	25	250
8865 3034	24x19 - 3/4" Flat faced	30	3,37	25	250
8865 3034EU	24x19 - 3/4" Eurokonus	30	3,37	25	250

Chrome-plated reducer. Permits changing a FAR 24X19 male thread in a 1/2" female thread.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only



ART. 8870

Code	size	length/mm	€	box	pack
8870 30	24x19 - 1/2"	30	3,37	25	250

Anti-condensate protection shell made of thermo-formed expanded polyethylene for 3/4" - 1" MULTIFAR manifolds, 45mm centre distance between ports.
(Art. 3821-3822-3824-3825-3834-3835-3837-3850-3856)


ART. 9306

Code	outlets	size	€	box
9306 3402	2	3/4"	13,25	1
9306 3403	3	3/4"	15,02	1
9306 3404	4	3/4"	17,79	1
9306 102	2	1"	15,27	1
9306 103	3	1"	16,02	1
9306 104	4	1"	17,35	1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for 1"1/4 MULTIFAR manifolds, 70mm centre distance between ports (Art. 3827).


ART. 9307

Code	outlets	size	€	box
9307 11402	2	1"1/4	20,23	1
9307 11403	3	1"1/4	20,81	1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for 1" 1/4" manifolds, 50 mm centre distance between ports.
(Art. 3401-3402-3403-3600-3650-3700-3625-3675-3725)


ART. 9303

Code	outlets	size	€	box
9303 102	2	1"	16,76	1
9303 103	3	1"	17,51	1
9303 104	4	1"	18,84	1
9303 11402	2	1"1/4	18,74	1
9303 11403	3	1"1/4	19,32	1
9303 11404	4	1"1/4	20,15	1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for 1" 1/4"-1" 1/2" - 2" manifolds, 100 mm centre distance between ports.
(Art. 3611-3612-3616-3617)


ART. 9304

Code	outlets	size	€	box
9304 11402	2	1"1/4	20,15	1
9304 11403	3	1"1/4	22,75	1
9304 11202	2	1"1/2	20,24	1
9304 11203	3	1"1/2	22,85	1
9304 202	2	2"	20,24	1
9304 203	3	2"	22,85	1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for 1" manifolds with 36 mm centre distance between ports.
(Art.3000-3050-3100-3300-3350-3400-3150-3200-3250-3175-3225-3275-3450-3500-3550-3475-3525-3575).


ART. 9305

Code	outlets	size	€	box
9305 102	2	1"	15,64	1
9305 103	3	1"	16,27	1
9305 104	4	1"	16,92	1

Chrome-plated modular coplanar manifold.

Each manifold is complete with M8 screw and O-ring for connection.

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 3750

Code	outlets	size	€	box	pack
3750 34	2+2	3/4"	26,53	1	20
3750 1	2+2	1"	31,09	1	20

Chrome-plated modular coplanar manifold with manual controls, right version. Each manifold is complete with M8 screw and O-ring for connection.

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 3753

Code	outlets	size	€	box
3753 34	2	3/4"	29,07	1

Brass modular coplanar manifold with manual controls, left version. Each manifold is complete with M8 screw and O-ring for connection.

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 3752

Code	outlets	size	€	box
3752 34	2	3/4"	28,54	1

PRE-ASSEMBLED chrome-plated coplanar manifold.

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 3751

Code	outlets	size	€	box
3751 3404	4+4	3/4"	60,70	1
3751 3406	6+6	3/4"	91,57	1
3751 3408	8+8	3/4"	122,60	1
3751 3410	10+10	3/4"	153,55	1
3751 104	4+4	1"	67,96	1
3751 106	6+6	1"	102,45	1
3751 108	8+8	1"	137,09	1
3751 110	10+10	1"	171,60	1

PRE-ASSEMBLED coplanar manifold with manual controls.

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 3754

Code	outlets	size	€	box
3754 3404	4	3/4"	58,29	1
3754 3406	6	3/4"	88,75	1
3754 3408	8	3/4"	117,81	1
3754 3410	10	3/4"	147,39	1
3754 3412	12	3/4"	176,53	1

Chrome-plated straight terminal blanking reduction for modular manifolds complete with gasket.

- Body made of CW617N brass
- Connection: 3/4"-1" female
- Outlets: 1/4"-3/8"-1/2" female
- Connection: 1"1/4 female
- Outlets: 1/4"-3/8"-1/2" female



ART. 4000

Code	size	€	box	pack
4000 3414	3/4"x1/4"	2,69	30	300
4000 3438	3/4"x3/8"	2,69	30	300
4000 3412	3/4"x1/2"	2,69	30	300
4000 114	1"x1/4"	3,52	30	300
4000 138	1"x3/8"	3,52	30	300
4000 112	1"x1/2"	3,52	30	300
4000 11414	1"1/4x1/4"	3,90	25	250
4000 11438	1"1/4x3/8"	3,90	25	250
4000 11412	1"1/4x1/2"	3,90	25	250
4000 11434	1"1/4x3/4"	4,61	25	250

Chrome-plated angled terminal blanking reduction for modular manifolds.

- Body made of CW617N brass
- Connection: 3/4"-1" - 1"1/4 female
- Outlets: 1/4"-3/8"-1/2" female



ART. 4050

Code	size	€	box	pack
4050 3414	3/4"x1/4"	3,99	30	240
4050 3438	3/4"x3/8"	3,99	30	240
4050 3412	3/4"x1/2"	3,99	30	240
4050 114	1"x1/4"	5,00	30	180
4050 138	1"x3/8"	5,00	30	180
4050 112	1"x1/2"	5,00	30	180
4050 11438	1"1/4x3/8"	6,66	30	180
4050 11412	1"1/4x1/2"	6,66	30	180

Chrome-plated blind cap complete with gasket.

- Body made of CW617N brass



ART. 4100

Code	size	€	box	pack
4100 12	1/2"	1,36	50	500
4100 34	3/4"	2,05	40	400
4100 1	1"	2,76	30	300
4100 114	1"1/4	3,48	30	300
4100 112	1"1/2	5,73	15	240
4100 2	2"	8,90	15	240

KIT for manifold outlets complete with chrome-plated nut. (Adaptable to all interchangeable outlets).

Ø 18 outlets excluded.



ART. 4250

Code	size	€	box	pack
4250	24x19	1,97	50	400

Chrome-plated male plug for manifold outlets.

- Body made of CW617N brass



ART. 4125

Code	size	€	box	pack
4125 12	1/2"	1,11	30	-

Chrome-plated terminal blanking reduction with O-ring seal for manifolds with connection for air vent valve.

- Body made of CW617N brass

ART. 4200

Code	size	€	box	pack
4200 3414	3/4"x1/4"	2,53	25	250
4200 3438	3/4"x3/8"	2,53	25	250
4200 3412	3/4"x1/2"	2,76	25	250
4200 114	1"x1/4"	2,93	25	250
4200 138	1"x3/8"	2,93	25	250
4200 112	1"x1/2"	3,15	25	250
4200 134	1"x3/4"	5,06	25	250
4200 11412	1"1/4x1/2"	4,46	25	250
4200 11434	1"1/4x3/4"	5,42	25	250
4200 1141	1"1/4x1"	5,42	25	250
4200 1121	1"1/2x1"	7,80	10	100
4200 21	2"x1"	12,44	10	100

Chrome-plated terminal blanking plug with O-ring seal for manifolds.

- Body made of CW617N brass

ART. 4150

Code	size	€	box	pack
4150 34	3/4"	2,34	25	250
4150 1	1"	2,75	25	250
4150 114	1"1/4	4,55	25	250
4150 112	1"1/2	7,43	10	100
4150 2	2"	11,82	10	100



Chrome-plated connection for coplanar and flanged manifolds. Interchangeable sizes for copper, plastic and multilayer pipe.

- Body made of CW617N brass

ART. 4300

Code	size	€	box	pack
4300 34	3/4"	3,23	25	200
4300 1	1"	3,69	25	200



End closing plug for flanged manifolds.

- Body made of CW617N brass



ART. 4310

Code	size	€	box
4310 1	1"	3,69	30

Kit for plastic pipes. Suitable for all our products with 24x19 interchangeable connection.

Complete with:

- adapter for plastic pipe
- brass ring
- chrome-plated nut with 24x19 thread

ART. 6052



Code	pipe	Ø external diameter	€	box	pack
6052 95147	plastic	10,5x1,25	3,16	50	500
6052 48186	plastic	12x2,15	3,16	50	500
6052 4847	plastic	12x2	3,16	50	500
6052 48184	plastic	12x1,5	3,16	50	500
6052 481005	plastic	12x1,35	3,16	50	500
6052 9761005	plastic	12,7x1,7	3,16	50	500
6052 976186	plastic	12,7x2,4	3,16	50	500
6052 6563	plastic	14x1,5	3,16	50	500
6052 6545	plastic	14x2	3,16	50	500
6052 4645	plastic	15x2,5	3,16	50	500
6052 4663	plastic	15x2	3,16	50	500
6052 46173	plastic	15x1,7	3,16	50	500
6052 4661	plastic	15x1,5	3,16	50	500
6052 5863	plastic	16x2,5	3,16	50	500
6052 58173	plastic	16x2,2	3,16	50	500
6052 5861	plastic	16x2	3,16	50	500
6052 58262	plastic	16x1,8	3,16	50	500
6052 5864	plastic	16x1,5	3,16	50	500
6052 58180	plastic	16x2,7	3,16	50	500
6052 15061	plastic	16,8x2,4	3,16	50	500
6052 150829	plastic	17x2,25	3,16	50	500
6052 15043	plastic	17x2	3,16	50	500
6052 6043	plastic	17,8x2,4	3,16	50	500
6052 60180	plastic	17,8x3,6	3,16	50	500
6052 4443	plastic	18x2,5	3,16	50	500
6052 44221	plastic	18x2,2	3,16	50	500
6052 4468	plastic	18x2	3,16	50	500
6052 8043	plastic	20x3,5	3,16	50	500
6052 8068	plastic	20x3	3,16	50	500
6052 80185	plastic	20x2,8	3,16	50	500
6052 80222	plastic	20x2,3	3,16	50	500
6052 8069	plastic	20x2,15	3,16	50	500
6052 80214	plastic	20x2	3,16	50	500
6052 80261	plastic	20x1,9	3,16	50	500

Sealing compression KIT in rubber for copper pipe.

Complete with:

- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread



ART. 8429



Code	pipe	size	€	box	pack
8429 15	copper	Ø 15	1,72	100	500
8429 16	copper	Ø 16	1,72	100	500

Kit for multilayer pipes. Suitable for all our products with 24x19 interchangeable connection.

Complete with:

- adapter for multilayer pipe
- brass ring
- chrome-plated nut with 24x19 thread

ART. 6055



Code	pipe	Ø external diameter	€	box	pack
6055 902901	multilayer	11,6x1,5	3,41	50	500
6055 48901	multilayer	12x1,8	3,41	50	500
6055 65193	multilayer	14x2	3,41	50	500
6055 46193	multilayer	15x2,5	3,41	50	500
6055 58190	multilayer	16x2	3,41	50	500
6055 58200	multilayer	16x2,25	3,41	50	500
6055 58278	multilayer	16,2x2,6	3,41	50	500
6055 150200	multilayer	16,8x2,5	3,41	50	500
6055 150810	multilayer	17x2	3,41	50	500
6055 44191	multilayer	18x2	3,41	50	500
6055 80204	multilayer	20x2	3,41	50	500
6055 80192	multilayer	20x2,25	3,41	50	500
6055 80201	multilayer	20x2,5	3,41	50	500
6055 80191	multilayer	20x2,9	3,41	50	500

Kit for multilayer pipes. Suitable for our MULTIFAR manifold art. 3827.

Complete with:

- adapter for multilayer pipe
- brass ring
- brass nut with M33x1,5 thread



ART. 6056

Code	pipe	Ø external diameter	€	box	pack
6056 263274	multilayer	20x2	6,49	25	250
6056 263264	multilayer	20x2,25	6,49	25	250
6056 263265	multilayer	20x2,5	6,49	25	250
6056 219218	multilayer	25x2,5	6,49	25	250
6056 220218	multilayer	26x3	6,49	25	250

Sealing compression KIT in rubber for copper pipe.

Complete with:

- brass pipe guide washer
- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread



ART. 8427



Code	pipe	size	€	box	pack
8427 10	copper	Ø 10	1,83	100	500
8427 12	copper	Ø 12	1,83	100	500
8427 14	copper	Ø 14	1,83	100	500

Code	Description	size	gasket	€	box	pack
3825 34G18	2 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber	25,12	1	25
3825 1G18	2 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber	28,33	1	25
3850 34G18	3 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber	35,09	1	25
3850 1G18	3 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber	38,44	1	25
3855 34G18	4 PORT FEMALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber	46,10	1	25
3856 34G18	4 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber	46,10	1	25
3856 1G18	4 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber	50,95	1	25
3875 34G18	2 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	3/4"x18	Rubber	24,32	1	25
3875 1G18	2 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	1"x18	Rubber	27,55	1	25
3900 34G18	3 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	3/4"x18	Rubber	33,89	1	25
3900 1G18	3 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	1"x18	Rubber	37,30	1	25
3905 34G18	4 PORT FEMALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	3/4"x18	Rubber	44,50	1	25
3906 34G18	4 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	3/4"x18	Rubber	44,50	1	25
3906 1G18	4 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	1"x18	Rubber	49,40	1	25
3834 34G18	2 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber	25,57	1	25
3834 1G18	2 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber	29,12	1	25
3835 34G18	3 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber	36,67	1	25
3835 1G18	3 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber	41,12	1	25
3837 34G18	4 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber	49,33	1	25
3837 1G18	4 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber	54,20	1	25
3000 34G18	2 PORT FEMALE MANIFOLD	3/4"x18	Rubber	10,84	14	140
3000 1G18	2 PORT FEMALE MANIFOLD	1"x18	Rubber	12,33	12	120
3050 34G18	3 PORT FEMALE MANIFOLD	3/4"x18	Rubber	15,68	10	100
3050 1G18	3 PORT FEMALE MANIFOLD	1"x18	Rubber	16,88	8	80
3100 34G18	4 PORT FEMALE MANIFOLD	3/4"x18	Rubber	19,85	8	80
3100 1G18	4 PORT FEMALE MANIFOLD	1"x18	Rubber	22,87	6	60
3300 34G18	2 PORT MALE-FEMALE MANIFOLD	3/4"x18	Rubber	11,90	12	120
3300 1G18	2 PORT MALE-FEMALE MANIFOLD	1"x18	Rubber	13,37	10	100
3350 34G18	3 PORT MALE-FEMALE MANIFOLD	3/4"x18	Rubber	16,73	9	90
3350 1G18	3 PORT MALE-FEMALE MANIFOLD	1"x18	Rubber	18,52	7	70
3400 34G18	4 PORT MALE-FEMALE MANIFOLD	3/4"x18	Rubber	21,20	8	80
3400 1G18	4 PORT MALE-FEMALE MANIFOLD	1"x18	Rubber	22,86	6	60
3401 34G18	2 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	3/4"x18	Rubber	13,98	12	120
3401 1G18	2 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	15,61	8	80
3401 114G18	2 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"1/4x18	Rubber	20,74	8	80
3402 34G18	3 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	3/4"x18	Rubber	19,63	8	80
3402 1G18	3 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	21,74	6	60
3402 114G18	3 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"1/4x18	Rubber	29,89	6	60
3403 34G18	4 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	3/4"x18	Rubber	25,44	6	60
3403 1G18	4 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	28,33	4	40
3403 114G18	4 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"1/4x18	Rubber	37,13	4	40
3410 102G18	2 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	20,62	1	-
3410 103G18	3 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	28,33	1	-
3410 104G18	4 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	44,34	1	-
3410 105G18	5 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	50,84	1	-
3410 106G18	6 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	57,36	1	-
3410 107G18	7 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	74,12	1	-
3410 108G18	8 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	80,61	1	-
3410 109G18	9 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	87,09	1	-
3410 110G18	10 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	103,09	1	-
3410 111G18	11 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	109,58	1	-
3410 112G18	12 PORT FEMALE-FEMALE FLANGED MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber	116,08	1	-
3750 34G18	2+2 PORT MODULAR COPLANAR MANIFOLD	3/4"x18	Rubber	34,61	1	-

Code	Description	size	gasket	€	box	pack
3750 1G18	2+2 PORT MODULAR COPLANAR MANIFOLD	1"x18	Rubber	37,90	1	-
3751 3404G18	4+4 PORT MODULAR COPLANAR MANIFOLD	3/4"x18	Rubber	75,18	1	-
3751 3406G18	6+6 PORT MODULAR COPLANAR MANIFOLD	3/4"x18	Rubber	113,32	1	-
3751 3408G18	8+8 PORT MODULAR COPLANAR MANIFOLD	3/4"x18	Rubber	151,58	1	-
3751 3410G18	10+10 PORT MODULAR COPLANAR MANIFOLD	3/4"x18	Rubber	189,79	1	-
3751 104G18	4+4 PORT MODULAR COPLANAR MANIFOLD	1"x18	Rubber	81,95	1	-
3751 106G18	6+6 PORT MODULAR COPLANAR MANIFOLD	1"x18	Rubber	123,51	1	-
3751 108G18	8+8 PORT MODULAR COPLANAR MANIFOLD	1"x18	Rubber	165,10	1	-
3751 110G18	10+10 PORT MODULAR COPLANAR MANIFOLD	1"x18	Rubber	206,67	1	-
4300 34G18	CONNECTION FOR COPLANAR MANIFOLD	3/4"x18	Rubber	5,27	25	200
4300 1G18	CONNECTION FOR COPLANAR MANIFOLD	1"x18	Rubber	5,76	25	200



06

Inspection boxes and accessories

06

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Sheet steel boxes and compatible manifolds

In order to make box selection easier, the installation overviews below show two tables with the maximum number of installable ports of 1" thermo-electric manifold and 1" 1/4 male-female thermo-electric manifold. The first example considers the overall dimension of a manifold, a ball valve or a zone valve, an intermediate connection and a closing plug, while the second example considers a manifold, an intermediate connection and a closing plug.



ART. 7148-7150

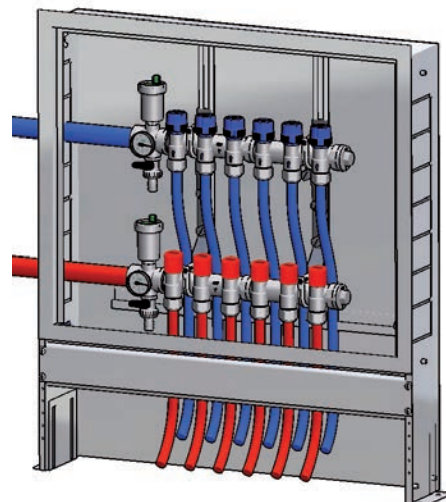
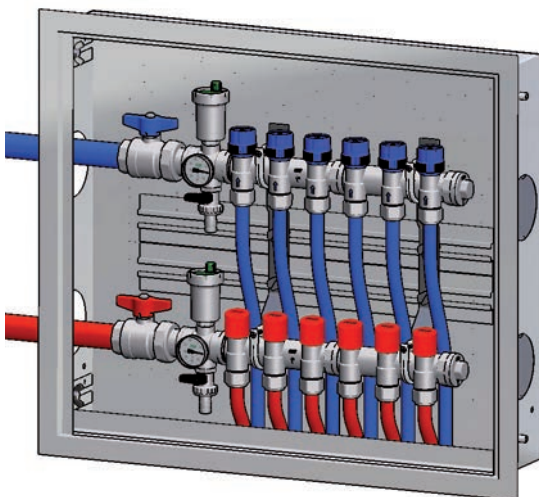


ART. 7165

Installation overview:

box width	components to install
400	VALVE + 4 PORT MANIFOLD + CONNECTION + PLUG
600	VALVE + 7 PORT MANIFOLD + CONNECTION + PLUG
800	VALVE + 10 PORT MANIFOLD + CONNECTION + PLUG
1000	VALVE + 12 PORT MANIFOLD + CONNECTION + PLUG
1200	VALVE + 14 PORT MANIFOLD + CONNECTION + PLUG

box width	components to install
400	6 PORT MANIFOLD + CONNECTION + PLUG
600	9 PORT MANIFOLD + CONNECTION + PLUG
800	12 PORT MANIFOLD + CONNECTION + PLUG
1000	14 PORT MANIFOLD + CONNECTION + PLUG



NB The installation examples refer to all models of metal boxes (Art. 7148-7150-7165).

Painted sheet steel box for distribution manifolds.

- Adjustable depth from 110 mm to 150 mm
- Cover with lock



ART. 7150

Code	size/mm	€	box
7150 40	400x450x110	144,73	1
7150 50	500x450x110	155,59	1
7150 60	600x450x110	160,71	1
7150 80	800x450x110	179,25	1
7150 100	1000x450x110	204,48	1
7150 120	1200x450x110	236,30	1

Painted sheet steel frame complete with cover for distribution manifolds.

- Cover with lock
- Suitable for boxes art. 7148-7150



ART. 7152

Code	size/mm	€	box
7152 40	400x450x110	87,24	1
7152 50	500x450x110	91,85	1
7152 60	600x450x110	96,47	1
7152 80	800x450x110	106,25	1
7152 100	1000x450x110	125,22	1
7152 120	1200x450x110	150,02	1

Zinc-coated sheet box with painted cover for distribution manifolds.

- Adjustable depth from 110 mm to 150 mm
- Cover with lock



ART. 7148

Code	size/mm	€	box
7148 40	400x450x110	100,22	1
7148 50	500x450x110	107,22	1
7148 60	600x450x110	111,37	1
7148 80	800x450x110	124,10	1
7148 100	1000x450x110	141,53	1
7148 120	1200x450x110	163,57	1

Support for floor installation of zinc-coated sheet box, Art. 7148.



ART. 7149

Code	size/mm	€	box
7149 40	400x110	44,94	1
7149 50	500x110	47,50	1
7149 60	600x110	52,08	1
7149 80	800x110	63,75	1
7149 100	1000x110	72,65	1
7149 120	1200x110	79,47	1

Painted sheet steel box for distribution manifolds. Built-in feet.

- Adjustable depth from 150 mm to 190 mm
- Cover with lock



ART. 7165

Code	size/mm	€	box
7165 70	700x600x150	250,50	1
7165 80	800x600x150	264,16	1
7165 90	900x600x150	288,31	1
7165 100	1000x600x150	339,00	1
7165 110	1100x600x150	360,10	1
7165 120	1200x600x150	388,43	1

Painted sheet steel frame complete with cover for distribution manifolds.

- Cover with lock



ART. 7166

Code	size/mm	€	box
7166 70	700x600x150	133,79	1
7166 80	800x600x150	147,48	1
7166 90	900x600x150	157,45	1
7166 100	1000x600x150	168,49	1
7166 110	1100x600x150	179,72	1
7166 120	1200x600x150	189,37	1

Plastic UNIVERSAL BRACKET for fittings (Art. 5650-5700-5750).
 Suitable for housing all types of manifolds with the aid of the special supports (Art. 7500 - 7550).
 Available in WHITE, BLUE and RED colour.

BI = WHITE BL = BLUE RO = RED


ART. 7475

Code	size/mm	€	box
7475 BI	300	3,26	1
7475 BL	300	3,26	1
7475 RO	300	3,26	1

Metal bracket complete with supports for inspection box
 (Art . 7148 - 7150 - 7155 - 7165).


ART. 7480

Code	size	€	box
7480 34	3/4"	5,57	6
7480 1	1"	5,67	6
7480 114	1"1/4	6,16	6

Metal bracket for inspection box (Art. 7148 - 7150 - 7155 - 7165).


ART. 7485

Code	€	box
7485	2,67	25

Supports for manifolds preset to be hooked on metal bracket (Art. 7485).


ART. 7490

Code	size	€	box
7490 34	3/4"	3,03	50
7490 1	1"	3,03	50
7490 114	1"1/4	3,75	50

Slide for bracket locking on sheet inspection box
 (Art. 7150 - 7155).


ART. 7153

Code	€	box
7153	5,46	-

Kit for frame locking on sheet inspection boxes, complete with:
 - nr. 4 M5x10 wing screws
 - nr. 4 M6x10 screws


ART. 8556

Code	€	box
8556 08	4,47	-

Kit for slides locking on sheet inspection boxes (Art. 7150 - 7155 - 7165) complete with:
 - nr. 4 M8 nuts
 - nr. 4 M8 screws
 - nr. 4 washers


ART. 8557

Code	size	€	box
8557 04	M8	9,72	-

Sheet box with painted cover and built-in feet for distribution manifolds

- Adjustable depth from 80 mm to 120 mm
- Cover with lock

Supports for distribution, modular and thermo-electric manifolds fixing.



ART. 7553

Code	size	€	box
7553 1	1"	2,86	100

ART. 7158

Code	size/mm	€	box
7158 60	600x500x80	142,03	1
7158 85	850x500x80	162,35	1

Installation indications

Number of outlets	Boxes code
up to 7 outlets	7158 60
up to 12 outlets	7158 85

Manifolds

1" M-F return manifold: art.3913 from 4 to 12 outlets



On the supply line it is possible to install the following:

1" M-F manifolds with flowmeters: art. 3970 from 4 to 12 outlets

or

1" M-F balancing manifolds: art. 3923 from 4 to 12 outlets



Supports art. 7553 for manifolds fixing

To fix the manifolds into the boxes, there are two horizontal guides in which the supports, art. 7553 1, will be placed.

The pair of supports inside the package have two different sizes:

- The short support will be used for the manifold installed on the top
- The long support will be used for the manifold installed below in order to allow the passage of the pipes of the upper manifold.

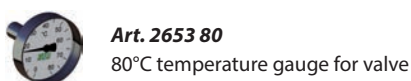
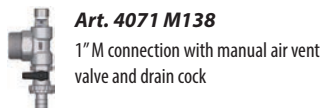
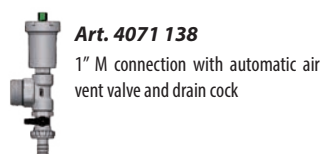
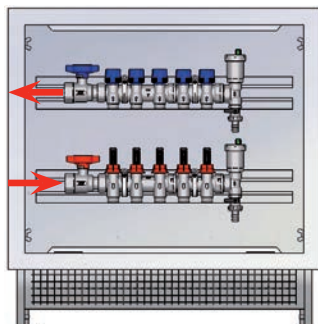
SHORT SUPPORT FOR UPPER MANIFOLD



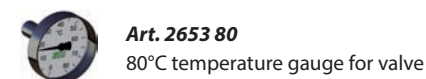
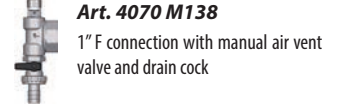
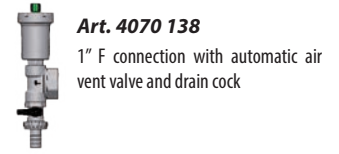
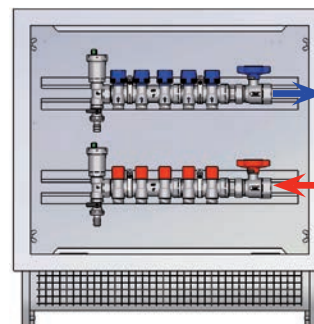
LONG SUPPORT FOR LOWER MANIFOLD



Components to install for connections on the left



Components to install for connections on the right



"TUTTO" plastic inspection box.

- Suitable for installation of zone valves and thermo-electric manifolds for heating systems
- To fix the manifolds in the box use the supports (Art. 7500 - 7550)
- The cover can be press-fitted, or with screws


ART. 7410

Code	size/mm	€	box	pack
7410 50	500x410x100	43,10	1	4
7410 70	700x410x100	65,83	1	4
7410 90	900x410x100	97,16	1	4

"TUTTO" plastic inspection box.

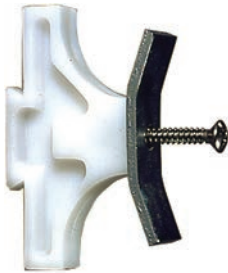
- Suitable for housing the manifolds with the aid of the special supports (Art. 7500 - 7550)
- Cover fixed with screws
- Not suitable to install thermo-electric manifolds


ART. 7420-7425-7450-7460

Code	size/mm	€	box	pack
7420	300x250x80	19,72	1	14
7425	400x250x80	22,08	1	12
7450	480x250x80	26,34	1	10
7460	600x300x80	33,88	1	5

UNIVERSAL support for the fixing of coplanar manifolds (Art. 3750 - 3751) to the following products:

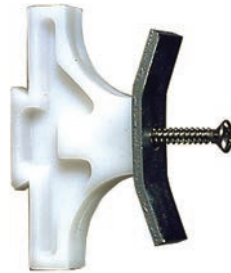
- Art. 7410-7420-7425-7450-7460
- Art. 7475


ART. 7500

Code	€	box
7500	1,18	100

UNIVERSAL support for the fixing of coplanar manifolds with stop valves (Art. 3752-3753-3754) to the following items:

- Art. 7410-7420-7425-7450-7460
- Art. 7475


ART. 7510

Code	€	box
7510	1,18	100

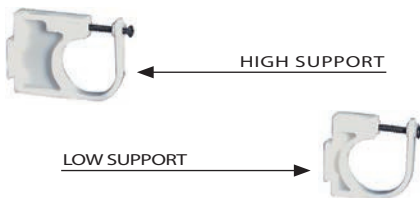
Supports for the fixing of simple, modular, thermo-electric and "MULTIFAR" manifolds to the following items:

- Art. 7410-7420-7425-7450-7460
- Art. 7475


ART. 7550

Code	size	€	box
7550 34	3/4"	2,73	100
7550 1	1"	2,73	100
7550 114	1"1/4	3,43	100

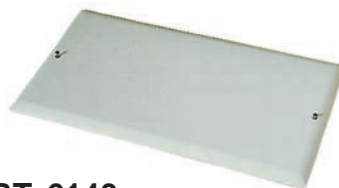
Single support for the fixing of simple, modular, thermo-electric and MULTIFAR manifolds.


ART. 7551

Code	size	type	€	box
7551 34A	3/4"	high	1,52	1
7551 1A	1"	high	1,52	1
7551 114A	1"1/4	high	2,06	1
7551 34B	3/4"	low	1,34	1
7551 1B	1"	low	1,34	1
7551 114B	1"1/4	low	1,81	1

Cover for "TUTTO" box with fixing screws.

- 6140 300 for Art. 7420
- 6140 400 for Art. 7425
- 6140 480 for Art. 7450
- 6140 600 for Art. 7460


ART. 6140

Code	size/mm	€	box
6140 300	300x250	7,58	1
6140 400	400x250	8,02	1
6140 480	480x250	10,19	1
6140 600	600x300	13,58	1

Cover for "TUTTO" box Art. 7410 with fixing screws.


ART. 6141

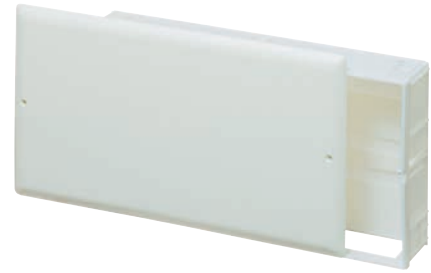
Code	size/mm	€	box
6141 500	500x410	15,00	4
6141 700	700x410	25,23	4
6141 900	900x410	37,31	4

Manifolds suitable for 'TUTTO' boxes

Dimensions have been calculated in relation to the assembly of a manifold, a blind plug and a 3-piece bent connection.

3/4"-1" manifold. Centre distance between ports: 36mm

Number of outlets	Boxes width
3	300
4	300
5	400
6	400
7	400
8	480
9	480
10	600
11	600
12	600



Manifolds with 36mm centre distance between ports

3000-3050-3100-3300-3350-3400-3150-3200-3250
3175-3225-3275-3450-3500-3550-3475-3525-3575

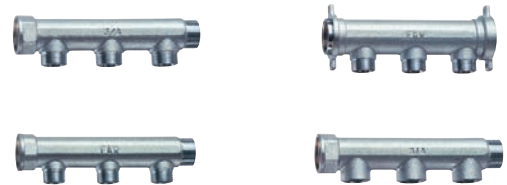


3/4"-1"-1 1/4" manifold. Centre distance between ports: 50mm

Number of outlets	Boxes width
3	300
4	400
5	400
6	480
7	480
8	480
9	600

Manifolds with 50mm centre distance between ports

3401-3402-3403-3410-3600-3650-3700-3625-3675-3725-3710



3/4"-1" coplanar manifold. Centre distance between ports: 40mm

Number of outlets	Boxes width	Number of manifolds
4+4	300	2
6+6	400	3
8+8	480	4
10+10	600	5

Manifolds with 40mm centre distance between ports

3750-3751

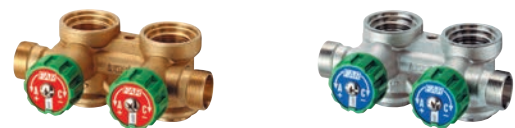


3/4" coplanar manifold. Centre distance between ports: 48mm

Number of outlets	Boxes width	Number of manifolds
2+2	300	2
2+4	300	3
4+4	300	4
4+6	400	5
6+6	400	6

Manifolds with 48mm centre distance between ports

3752-3753-3754



3/4"-1" Multifar manifold. Centre distance between ports: 45mm

Number of outlets	Boxes width
3	300
4	300
5	400
6	480
7	480
8	600
9	600
10	600

Manifolds with 45mm centre distance between ports

3818-3819-3821-3822-3823-3824-3825-3826-3850-3851
3855-3856-3859-3860-3869-3870-3872-3873-3875-3876
3878-3879-3900-3901-3905-3906-3834-3835-3836-3837



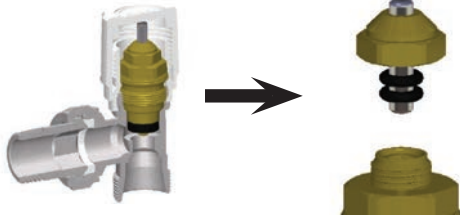


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Thermostatic valves and lockshield valves	177
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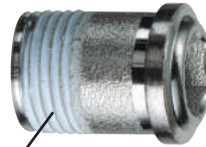
Installation of thermostatic and thermo-electric heads is very simple. It can be carried out by removing the handle and the plastic component.

Unscrew the handle (1), insert the green extractor on the stainless steel pin (2) and re-screw the handle (3). In this way it is possible to remove the handle and the plastic component without damaging them in order to install the desired head.



It is possible to replace the sealing O-ring within the body of the valve without draining down the system.

The nominal diameter and the water flow direction are indicated on each valve body.



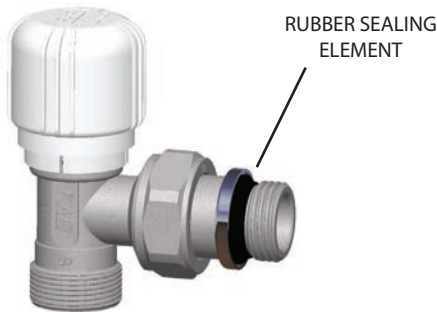
Terminals have a conical thread and are provided with Loctite® Dri-Seal 5061 which guarantees the seal on the standard thread.

CONICAL THREAD WITH LOCTITE® DRI-SEAL® 5061

SEAT IN HPF

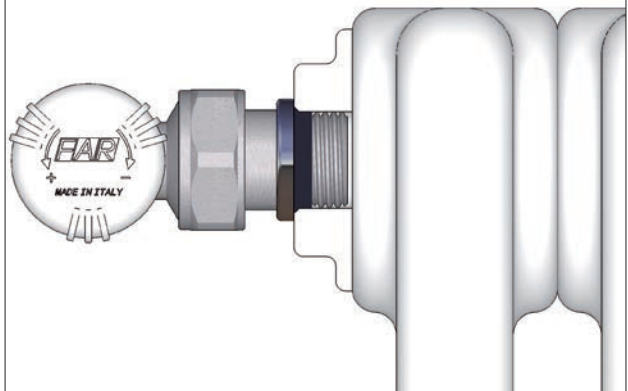


A seal between terminal and body is achieved by means of an HPF seat, which guarantees reliability and durability.



Far offers new unions with rubber sealing that allow installation on radiators without the use of hemp or PTFE sealing.

INSTALLATION OVERVIEW



INSTALLABLE COMPONENTS

FAR manual valves and lockshield valves are available with iron connection and with interchangeable connections for copper, plastic and multilayer pipe.



For easier installation, FAR offers a special range of spare parts:

ART. 8820	ART. 8850	ART. 8870	ART. 8900	ART. 5560
TELESCOPIC TERMINAL	STRAIGHT EXTENSION	REDUCER	SPECIAL ELBOW WITH Ø16 CUT PIPE	ECCENTRIC FITTING
To cover the distance between valve and radiator 3/8": from 32mm to 55mm 1/2" - 3/4": from 35mm to 60mm	Enables changing a FAR 24x19 thread in a Ø 18-22 connection for copper pipe. Available with 30-35-40 mm extension	Enables changing a FAR 24X19 thread in a 1/2" female thread	Available in 30 and 100 mm lengths	Available sizes: 1-2-3-4-5-6 cm with 3/8"-1/2"-3/4" thread

Chrome-plated angled thermostatic valve with horizontal control.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1615

Code	size	€	box	pack
1615 38	3/8"	13,81	5	150
1615 12	1/2"	13,81	5	150



Chrome-plated angled thermostatic valve with horizontal control.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1625

Code	size	€	box	pack
1625 12	1/2"	13,81	5	150



Chrome-plated thermostatic valve, left-angled version.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1616

Code	size	€	box	pack
1616 38	3/8"	15,39	10	100
1616 12	1/2"	15,39	10	100



Chrome-plated lockshield valve, right-angled version.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1117

Code	size	€	box	pack
1117 38	3/8"	12,77	10	100
1117 12	1/2"	12,77	10	100



Chrome-plated thermostatic valve, left-angled version.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1626

Code	size	€	box	pack
1626 38	3/8"	15,39	10	100
1626 12	1/2"	15,39	10	100



Chrome-plated lockshield valve, right-angled version.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1127

Code	size	€	box	pack
1127 38	3/8"	12,77	10	100
1127 12	1/2"	12,77	10	100



Chrome-plated thermostatic valve, right-angled version.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1617

Code	size	€	box	pack
1617 38	3/8"	15,39	10	100
1617 12	1/2"	15,39	10	100



Chrome-plated lockshield valve, left-angled version.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1116

Code	size	€	box	pack
1116 38	3/8"	12,77	10	100
1116 12	1/2"	12,77	10	100



Chrome-plated thermostatic valve, right-angled version.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1627

Code	size	€	box	pack
1627 38	3/8"	15,39	10	100
1627 12	1/2"	15,39	10	100



Chrome-plated lockshield valve, left-angled version.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1126

Code	size	€	box	pack
1126 38	3/8"	12,77	10	100
1126 12	1/2"	12,77	10	100



Chrome-plated angled thermostatic valve with horizontal control.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1635



Code	size	€	box	pack
1635 38	3/8"	14,20	5	150
1635 12	1/2"	14,20	5	150



Chrome-plated angled thermostatic valve with horizontal control.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1645



Code	size	€	box	pack
1645 12	1/2"	14,20	5	150



Chrome-plated thermostatic valve, left-angled version.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1636



Code	size	€	box	pack
1636 38	3/8"	15,78	10	100
1636 12	1/2"	15,78	10	100



Chrome-plated lockshield valve, right-angled version.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1137



Code	size	€	box	pack
1137 38	3/8"	13,17	10	100
1137 12	1/2"	13,17	10	100



Chrome-plated thermostatic valve, left-angled version.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1646



Code	size	€	box	pack
1646 38	3/8"	15,78	10	100
1646 12	1/2"	15,78	10	100



Chrome-plated lockshield valve, right-angled version.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1147



Code	size	€	box	pack
1147 38	3/8"	13,17	10	100
1147 12	1/2"	13,17	10	100



Chrome-plated thermostatic valve, right-angled version.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1637



Code	size	€	box	pack
1637 38	3/8"	15,78	10	100
1637 12	1/2"	15,78	10	100



Chrome-plated lockshield valve, left-angled version.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1136



Code	size	€	box	pack
1136 38	3/8"	13,17	10	100
1136 12	1/2"	13,17	10	100



Chrome-plated thermostatic valve, right-angled version.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1647



Code	size	€	box	pack
1647 38	3/8"	15,78	10	100
1647 12	1/2"	15,78	10	100



Chrome-plated lockshield valve, left-angled version.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1146



Code	size	€	box	pack
1146 38	3/8"	13,17	10	100
1146 12	1/2"	13,17	10	100



Chrome-plated angled thermostatic valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1610



Code	size	€	box	pack
1610 38	3/8"	11,18	10	100
1610 12	1/2"	12,34	10	100



Chrome-plated angled lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1100



Code	size	€	box	pack
1100 38	3/8"	7,77	10	100
1100 12	1/2"	9,18	10	100



Chrome-plated straight thermostatic valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1630



Code	size	€	box	pack
1630 38	3/8"	11,64	10	100
1630 12	1/2"	12,72	10	100



Chrome-plated straight lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1300



Code	size	€	box	pack
1300 38	3/8"	8,76	10	100
1300 12	1/2"	9,99	10	100



Chrome-plated angled thermostatic valve.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1620



Code	size	€	box	pack
1620 38	3/8"	10,93	10	100
1620 12	1/2"	12,33	10	100
1620 34	3/4"	17,07	10	50
1620 1	1"	28,61	5	40



Chrome-plated angled lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1200



Code	size	€	box	pack
1200 38	3/8"	7,73	10	100
1200 12	1/2"	9,64	10	100
1200 34	3/4"	15,96	5	50
1200 1	1"	25,43	5	40



Chrome-plated straight thermostatic valve.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1640



Code	size	€	box	pack
1640 38	3/8"	11,36	10	100
1640 12	1/2"	12,80	10	100
1640 34	3/4"	17,65	10	50
1640 1	1"	29,13	5	40



Chrome-plated straight lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1400



Code	size	€	box	pack
1400 38	3/8"	8,61	10	100
1400 12	1/2"	10,13	10	100
1400 34	3/4"	16,07	5	50
1400 1	1"	25,92	5	40



Chrome-plated angled thermostatic valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1611



Code	size	€	box	pack
1611 38	3/8"	11,48	10	100
1611 12	1/2"	12,73	10	100

Chrome-plated angled lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1111



Code	size	€	box	pack
1111 38	3/8"	8,23	10	100
1111 12	1/2"	9,71	10	100

Chrome-plated straight thermostatic valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1631



Code	size	€	box	pack
1631 38	3/8"	11,94	10	100
1631 12	1/2"	13,11	10	100

Chrome-plated straight lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1311



Code	size	€	box	pack
1311 38	3/8"	9,20	10	100
1311 12	1/2"	10,52	10	100

Chrome-plated angled thermostatic valve.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1621



Code	size	€	box	pack
1621 38	3/8"	11,23	10	100
1621 12	1/2"	12,72	10	100

Chrome-plated angled lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1211



Code	size	€	box	pack
1211 38	3/8"	8,17	10	100
1211 12	1/2"	10,17	10	100

Chrome-plated straight thermostatic valve.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1641



Code	size	€	box	pack
1641 38	3/8"	11,66	10	100
1641 12	1/2"	13,19	10	100

Chrome-plated straight lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1411



Code	size	€	box	pack
1411 38	3/8"	9,05	10	100
1411 12	1/2"	10,66	10	100

Chrome-plated angled thermostatic valve with PRESETTING.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- numbered ring for setting
- regulating key
- terminal provided with EPDM gasket

ART. 1618



Code	size	€	box	pack
1618 38	3/8"	17,20	1	100
1618 12	1/2"	19,25	1	100



Chrome-plated straight thermostatic valve with PRESETTING.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- numbered ring for setting
- regulating key
- terminal provided with EPDM gasket

ART. 1638



Code	size	€	box	pack
1638 38	3/8"	17,82	1	100
1638 12	1/2"	20,06	1	100



Chrome-plated angled thermostatic valve with PRESETTING.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- numbered ring for setting
- regulating key
- terminal provided with EPDM gasket

ART. 1628



Code	size	€	box	pack
1628 38	3/8"	16,93	1	100
1628 12	1/2"	19,43	1	100
1628 34	3/4"	25,13	1	50



Chrome-plated straight thermostatic valve with PRESETTING.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- numbered ring for setting
- regulating key
- terminal provided with EPDM gasket

ART. 1648



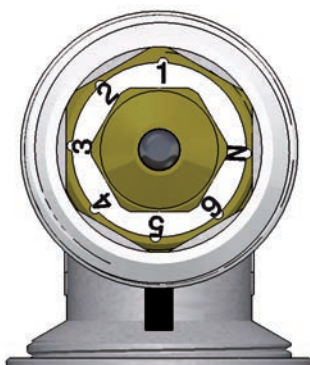
Code	size	€	box	pack
1648 38	3/8"	17,41	1	100
1648 12	1/2"	19,84	1	100
1648 34	3/4"	25,75	1	50



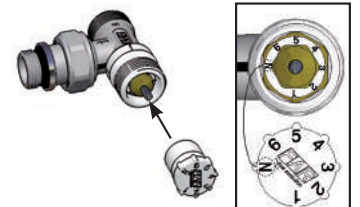
Thermostatic valves with presetting allow the water flow to the radiator to be divided by means of a shaped body. They are designed for installation of the thermostatic head.

Adjustment is carried out by removing the handle and rotating the body up to the black reference notch at the desired position (from 1 to 6, plus the 'N' condition of fully open).

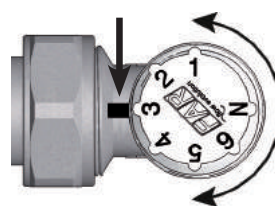
The shape of the regulating body allows a default value for flow resistance to be set for each of the calibration positions.



1. Completely unscrew the handle by turning it counterclockwise.



2. Insert the regulating key included in the package by matching the letter N on the key with the one on the valve.



3. Turn the key clockwise or counter clockwise, moving it to the designed value at the reference notch.



4. Remove the key and replace the handle or the thermostatic head.

Thermostatic head with liquid sensor for FAR thermostatic valves.

- Temperature regulation range: from 7°C (* position) to 28°C (5 position)
- Possibility to lock the head in the desired position.
- Possibility to restrict the setting range.
- Easy installation on the radiator valve.



TELL
Thermostatic Efficiency Label

Manufacturer: FAR S.p.A.
Product: 1828
Reg. No.: 10622-20170504

Energy

I	→
II	→
III	→
IV	→
V	→
VI	→

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A label of EUnited Valves
European Valve Manufacturers Association

ART. 1828

Code	€	box	pack
1828	18,55	1	50

Certification EN215 (Keymark) in combination with valves Arts. 1620-1640 DN15

Anti-tamper guard for Art.1828.

Including:

- Allen key screw and nut
- Allen key



ART. 1833

Code	€	box
1833	2,96	1

SETTING AND INSTALLATION

TEMPERATURE SETTING:

SELECTOR POSITION	TEMPERATURE
0	RADIATOR OFF
*	7°C
1	12°C
2	16°C
3	20°C
4	24°C
5	28°C

The setting reducers allow to lock the thermostatic head on the setting value (**picture A**) or to restrict the setting range (**picture B**)

A - The thermostatic head is locked on position 3.



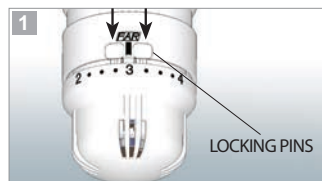
B - The thermostatic head is limited between position 2 and 4



Art.1833

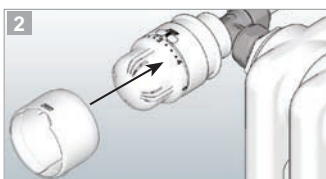
ANTI-TAMPER GUARD for thermostatic head Art.1828

The anti-tamper guard art. 1833 allows to safely lock the FAR thermostatic head art.1828 on the set temperature value and to prevent the removal of the head by unauthorized people.



Set the desired value and lock the temperature by pushing the two pins on the head towards the numbered ring.

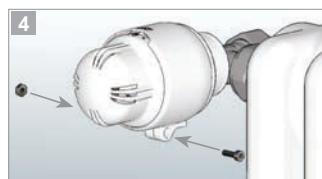
NB: The two pins must always be placed towards the numbered selector in order to install the anti-tamper guard.



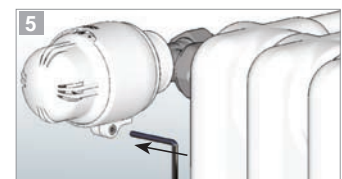
Place the anti-tamper guard in the right position, as shown in the picture.



Check the correct connection of the anti-tamper guard. The indicator must correspond with the desired number position.



Place the locking nut in the seat



Tighten the screw with the Allen key in order to lock the anti-tamper guard.

2 wired thermo-electric actuator provided with selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Length connection cable: 75 cm
- Protection level: IP54



- NC = NORMALLY CLOSED
- NA = NORMALLY OPEN

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1909-1919-1929-1939

Code	voltage	opening time	type	€	box	pack
1909	24 V	180 s	NC	36,74	1	100
1919	230 V	180 s	NC	36,74	1	100
1929	24 V	180 s	NA	36,74	1	100
1939	230 V	180 s	NA	36,74	1	100

Chrome-plated adapter suitable for installation of electric actuators on thermostatic valves.

- M30x1,5 thread

ART. 1941

Code	€	box
1941	2,69	1



Thermostatic control head. Remote sensor with liquid-filled element.

- remote selector
- length of capillary: 2 m.
- temperature range: 7°÷28°C

Provided with regulation scale numbered from 1 to 5, in order to choose the desired temperature.



ART. 1800

Code	€	box	pack
1800	132,78	1	-

Thermostatic control head. Built-in sensor with liquid-filled element.

- temperature range: 7°÷28°C.

Provided with regulation scale numbered from 1 to 5, in order to choose the desired temperature.



ART. 1824

Code	€	box	pack
1824	17,15	1	100

Antitampering protection for art.1810.

ART. 1830

Code	€	box
1830	11,07	1



4 wired thermo-electric actuator with auxiliary micro-switch and selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Length connection cable: 75 cm
- Protection level: IP54



- NC = NORMALLY CLOSED

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1914-1924-1913-1923

Code	voltage	opening time	type	€	box	pack
1914	24 V	180 s	NC	39,52	1	100
1924	230 V	180 s	NC	39,52	1	100
1913	24 V	90 s	NC	42,54	1	100
1923	230 V	90 s	NC	42,54	1	100

Thermostatic control head. Remote sensor with liquid-filled element.

- remote selector
- length of capillary: 2 m.
- temperature range: 7°÷28°C

Provided with regulation scale numbered from 1 to 5, in order to choose the desired temperature.



ART. 1810

Code	€	box
1810	47,81	1

Chrono-thermostatic head for FAR thermostatic valves.

- temperature range: 6 - 28° C
- battery operated (2x1,5V AA)
- backlight display
- weekly programmable clock
- open window function
- holiday/absence function
- antifreeze function



ART. 1820

Code	€	box	pack
1820	115,32	1	25

Thermostatic control head. Built-in sensor with liquid-filled element and swiveling adapter.

- temperature range: 7°÷28°C.



ART. 1834

Code	€	box	pack
1834	26,97	1	100

Antitampering protection for art. 1824. Complete with:

- Allen screw and nut
- Allen key

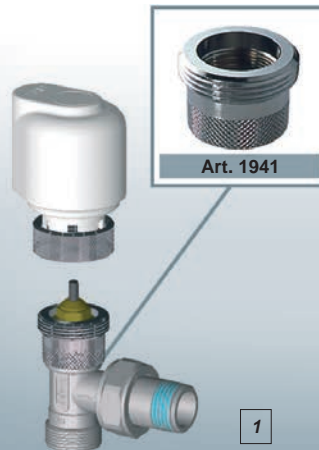
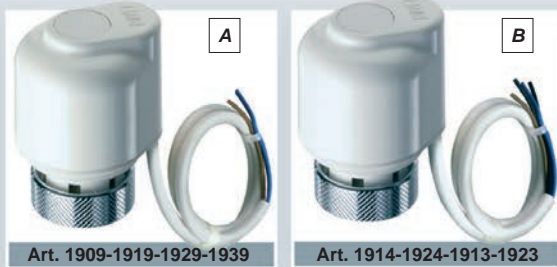
ART. 1832

Code	€	box
1832	2,73	1



THERMO-ELECTRIC HEADS

FAR thermo-electric heads are available in two versions: with auxiliary micro-switch (fig. B) or without (fig. A). These heads are activated or deactivated by a thermostat or a control unit. They are available in 'normally open' or 'normally closed' configurations with 24V or 230V voltage.



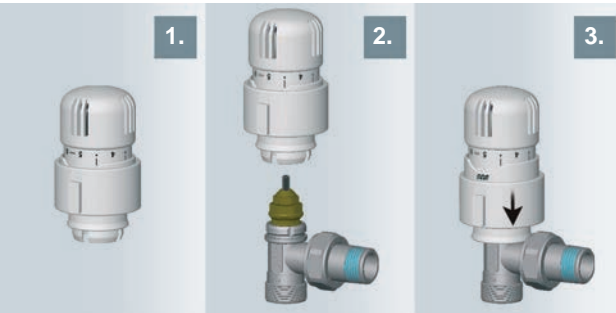
Once the handle and the plastic component have been removed, it is possible to install the thermo-electric head as follows:

- 1) screw the adapter (art. 1941) onto the valve body
- 2) assemble the thermo-electric head



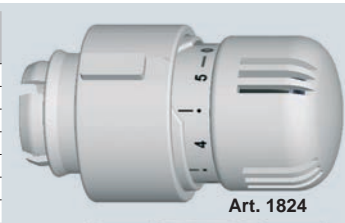
THERMOSTATIC HEADS

The FAR thermostatic head is provided with a liquid sensor, which detects temperature variations and opens or closes the valve accordingly. It has a regulation scale numbered from 1 to 5 for selecting the desired temperature. Once the handle and the plastic component have been removed, it is possible to install the thermostatic head as follows:



1. position the selector on 5
2. fix the head on the valve body in the appropriate grooves
3. press the locking ring towards the valve to complete installation

SELECTOR POSITION	CORRESPONDING TEMPERATURE IN °C
0	EXCLUDED RADIATOR
*	7
1	12
2	16
3	20
4	24
5	28



The temperature selector can be locked on a particular value by using the locking key.



When installing thermostatic heads for use in systems serving public areas, an anti-tamper guard (art. 1832) is available.

Max. differential pressure:	1 bar
Reference point:	3 = 20° C
Max. room temperature:	50° C
Temperature range:	7-28° C
Antifreeze operation:	7° C
Hysteresis:	0,35 k
Response time - point 6.4.1.13 EN215:	23 min

To guarantee correct temperature sensing and regulation - even in situations where radiators are affected by other constraints within the room - FAR offers two other systems for detecting room temperature:



Art. 1800

Main features:

- Thermostatic head with liquid sensor
 - Remote selector numbered from 1 to 5
 - Length of capillary: 2 m
 - Temperature range: 7° ÷ 28° C.
- (Values for temperatures are standard on all thermostatic models - see listing in the table for art. 1824)



Art. 1810

Thermostatic head with sensor and graduated scale for selection of remote temperature value.

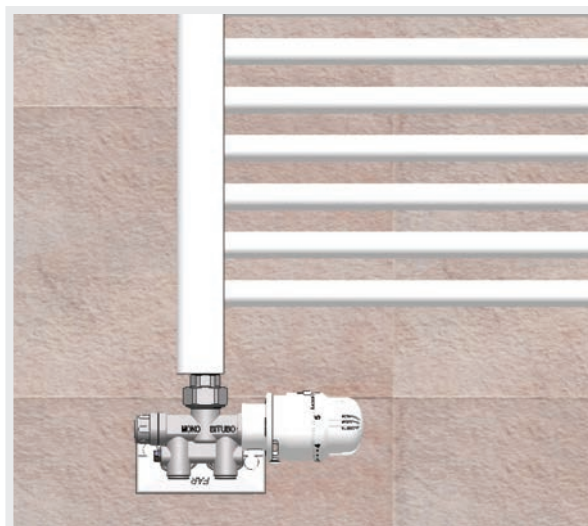
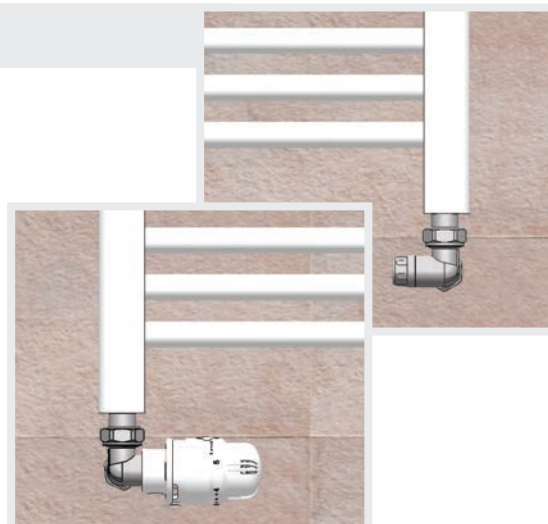
The sensor, which features a graduated temperature scale, is placed on the wall within 2m of the radiator. It should be located in an open area with no barriers to free movement of room air. This product is suitable for use with radiators located in recesses, concealed within decorative cabinets, or behind curtains of thick material where free circulation of room air is inhibited.

Thermostatic head and remote sensor.

The sensor is placed at a maximum distance of 2m, usually on the skirting board under the radiator, in such a way as to be in the airflow drawn across the radiator or convector as this will provide an average of the room air temperature of room air as a whole.

SPACE-SAVING RADIATOR VALVES AND LOCKSHIELD VALVES

FAR offers various smart solutions to adapt to the available space. In case of a designer radiator, angled valves and lockshield valves can be installed in order to make the most of the space. The valve must be installed on the delivery line to the radiator and has to be selected according to the desired handle position, considering the radiator front view. In the example picture you can see a right-angled valve (art.1671), so that the handle or the thermostatic head are oriented to the right, once the valve is installed on the radiator.

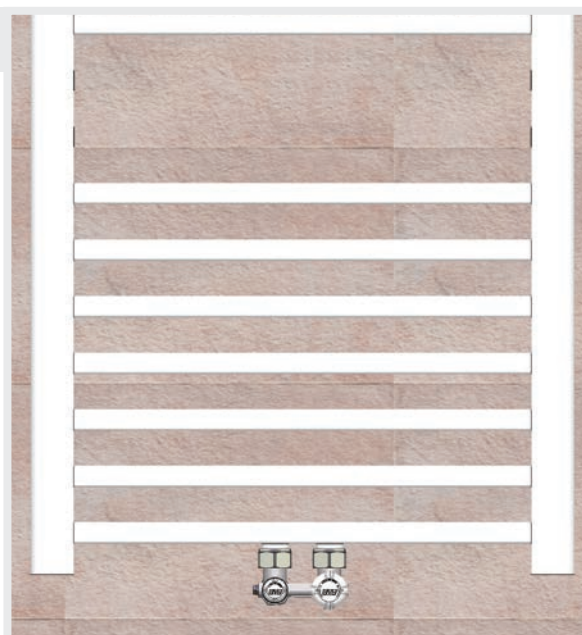


SINGLE-DOUBLE PIPE VALVES

In case the system requires the installation of a single-double pipe valve, FAR offers right-hand and left-hand angled valves with adjustable by-pass. The valve must be installed on one side of the radiator and has to be selected according to the desired handle position, considering the radiator front view. In the example picture you can see a right-hand valve (art.1436), so that the handle or the thermostatic head are oriented to the right, once the valve is installed on the radiator.

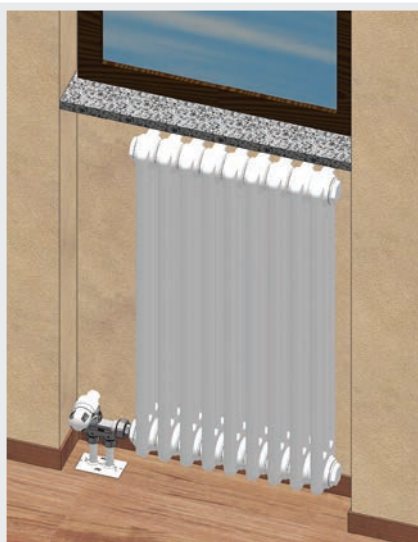
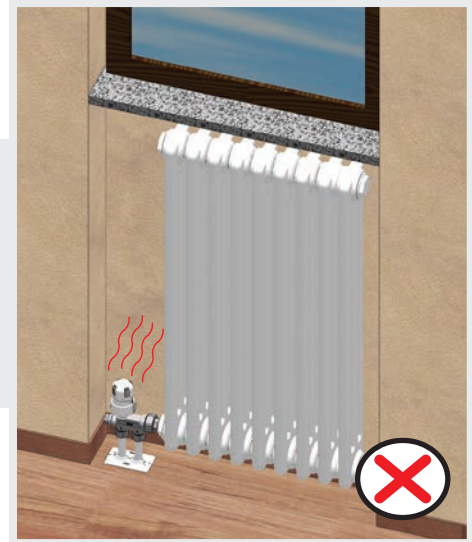
SINGLE-DOUBLE PIPE VALVES 50mm CENTRE DISTANCE

In case the radiator has connections with 50mm centre distance, a special single-double pipe angled valve with adjustable by-pass can be installed. Two types of adapters are available to connect the valve, according to the radiator connection. In the example picture you can see an angled valve (art.1482) with 24x19 FAR connection.



INSTALLATION ADVICE FOR A BETTER SENSITIVITY OF THE THERMOSTATIC SENSOR

In case of a single pipe valve with thermostatic head installed in a wall recess, the regulation could not be correct due to the sensor proximity to the heating body.



For a better regulation it is possible to install on the valve the thermostatic head with angled swiveling adapter (art.1834), which allows to direct the temperature sensor in order to improve the sensitivity. This adapter can be installed on any FAR thermostatic valve.

In case of any obstacles near the radiator (like curtains or other furnishing elements) it is necessary to install a thermostatic head with remote sensor (art.1800) in order to have a correct temperature detection and consequently an effective regulation.



Chrome-plated angled manual radiator valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- arm with sealing O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1055  **S₂₀₁₂**

Code	size	€	box	pack
1055 38	3/8"	7,55	10	100
1055 12	1/2"	8,89	10	100



Chrome-plated angled lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- plastic covering cap
- sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1105  **S₂₀₁₂**

Code	size	€	box	pack
1105 38	3/8"	6,35	10	100
1105 12	1/2"	7,55	10	100



Chrome-plated straight manual radiator valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- arm with sealing O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1255  **S₂₀₁₂**

Code	size	€	box	pack
1255 38	3/8"	8,25	10	100
1255 12	1/2"	9,61	10	100



Chrome-plated straight lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- plastic covering cap
- sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1305  **S₂₀₁₂**

Code	size	€	box	pack
1305 38	3/8"	7,07	10	100
1305 12	1/2"	8,45	10	100



Chrome-plated angled manual radiator valve.

- iron pipe connection
- arm with sealing O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1155  **S₂₀₁₂**

Code	size	€	box	pack
1155 38	3/8"	7,53	10	100
1155 12	1/2"	9,25	10	100



Chrome-plated angled lockshield valve.

- iron pipe connection
- plastic covering cap
- sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1215  **S₂₀₁₂**

Code	size	€	box	pack
1215 38	3/8"	6,32	10	100
1215 12	1/2"	8,08	10	100
1215 34	3/4"	13,04	5	50



Chrome-plated straight manual radiator valve.

- iron pipe connection
- arm with sealing O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1355  **S₂₀₁₂**

Code	size	€	box	pack
1355 38	3/8"	8,29	10	100
1355 12	1/2"	9,90	10	100



Chrome-plated straight lockshield valve.

- iron pipe connection
- plastic covering cap
- sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1415  **S₂₀₁₂**

Code	size	€	box	pack
1415 38	3/8"	7,12	10	100
1415 12	1/2"	8,68	10	100
1415 34	3/4"	13,45	5	50



Chrome-plated angled manual radiator valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1050


Code	size	€	box	pack
1050 38	3/8"	8,42	10	100
1050 12	1/2"	9,42	10	100

Chrome-plated angled lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1100


Code	size	€	box	pack
1100 38	3/8"	7,77	10	100
1100 12	1/2"	9,18	10	100

Chrome-plated straight manual radiator valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1250


Code	size	€	box	pack
1250 38	3/8"	9,36	10	100
1250 12	1/2"	10,19	10	100

Chrome-plated straight lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1300


Code	size	€	box	pack
1300 38	3/8"	8,76	10	100
1300 12	1/2"	9,99	10	100

Chrome-plated angled manual radiator valve.

- iron pipe connection
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1150


Code	size	€	box	pack
1150 38	3/8"	8,31	10	100
1150 12	1/2"	9,88	10	100
1150 34	3/4"	17,00	5	50
1150 1	1"	25,26	5	40

Chrome-plated angled lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1200


Code	size	€	box	pack
1200 38	3/8"	7,73	10	100
1200 12	1/2"	9,64	10	100
1200 34	3/4"	15,96	5	50
1200 1	1"	25,43	5	40

Chrome-plated straight manual radiator valve.

- iron pipe connection
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1350


Code	size	€	box	pack
1350 38	3/8"	9,24	10	100
1350 12	1/2"	10,32	10	100
1350 34	3/4"	17,16	5	50
1350 1	1"	25,76	5	40

Chrome-plated straight lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1400


Code	size	€	box	pack
1400 38	3/8"	8,61	10	100
1400 12	1/2"	10,13	10	100
1400 34	3/4"	16,07	5	50
1400 1	1"	25,92	5	40

Chrome-plated angled manual radiator valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1051

Code	size	€	box	pack
1051 38	3/8"	8,87	10	100
1051 12	1/2"	9,95	10	100



Chrome-plated angled lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1111

Code	size	€	box	pack
1111 38	3/8"	8,23	10	100
1111 12	1/2"	9,71	10	100



Chrome-plated straight manual radiator valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1251

Code	size	€	box	pack
1251 38	3/8"	9,82	10	100
1251 12	1/2"	10,72	10	100



Chrome-plated straight lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1311

Code	size	€	box	pack
1311 38	3/8"	9,20	10	100
1311 12	1/2"	10,52	10	100



Chrome-plated angled manual radiator valve.

- iron pipe connection
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1151

Code	size	€	box	pack
1151 38	3/8"	8,77	10	100
1151 12	1/2"	10,41	10	100



Chrome-plated angled lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1211

Code	size	€	box	pack
1211 38	3/8"	8,17	10	100
1211 12	1/2"	10,17	10	100



Chrome-plated straight manual radiator valve.

- iron pipe connection
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1351

Code	size	€	box	pack
1351 38	3/8"	9,70	10	100
1351 12	1/2"	10,85	10	100



Chrome-plated straight lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1411

Code	size	€	box	pack
1411 38	3/8"	9,05	10	100
1411 12	1/2"	10,66	10	100



Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve.

- connections: 3/4" EUROKONUS
- for radiators with 3/4" male connection
- centre distance between ports: 50 mm
- flat gaskets in EPDM


ART. 1485


Code	outlets	€	box	pack
1485	3/4" EUROKONUS	30,50	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.

- connections: 3/4" EUROKONUS
- for radiators with 3/4" male connection
- centre distance between ports: 50 mm
- flat gaskets in EPDM


ART. 1489


Code	outlets	€	box	pack
1489	3/4" EUROKONUS	28,58	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve.

- connections: FAR 24 x 19
- for radiators with 3/4" male connection
- centre distance between ports: 50 mm
- flat gaskets in EPDM


ART. 1486


Code	outlets	€	box	pack
1486	24 x 19	30,50	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.

- connections: FAR 24 x 19
- for radiators with 3/4" male connection
- centre distance between ports: 50 mm
- flat gaskets in EPDM


ART. 1490


Code	outlets	€	box	pack
1490	24 x 19	28,58	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve.

- connections: 3/4" EUROKONUS
- for radiators with 1/2" female connection
- centre distance between ports: 50 mm
- terminal provided with EPDM gasket


ART. 1487


Code	outlets	€	box	pack
1487	3/4" EUROKONUS	36,59	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.

- connections: 3/4" EUROKONUS
- for radiators with 1/2" female connection
- centre distance between ports: 50 mm
- terminal provided with EPDM gasket


ART. 1491


Code	outlets	€	box	pack
1491	3/4" EUROKONUS	33,86	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve.

- connections: FAR 24 x 19
- for radiators with 1/2" female connection
- centre distance between ports: 50 mm
- terminal provided with EPDM gasket


ART. 1488


Code	outlets	€	box	pack
1488	24 x 19	36,59	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.

- connections: FAR 24 x 19
- for radiators with 1/2" female connection
- centre distance between ports: 50 mm
- terminal provided with EPDM gasket


ART. 1492


Code	outlets	€	box	pack
1492	24 x 19	33,86	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve for panel radiators.

- adjustable by-pass
- connections: 3/4" EUROKONUS
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



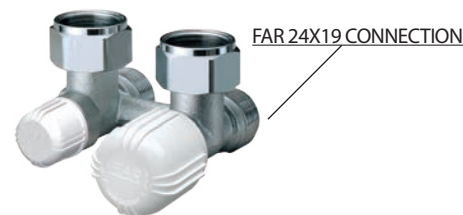
ART. 1481



Code	outlets	€	box	pack
1481	3/4" EUROKONUS	26,83	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve for panel radiators.

- adjustable by-pass
- connections: FAR 24 X 19
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1482



Code	outlets	€	box	pack
1482	24 x 19	26,83	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve for panel radiators.

- adjustable by-pass
- connections: 3/4" EUROKONUS
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1483



Code	outlets	€	box	pack
1483	3/4" EUROKONUS	27,37	5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve for panel radiators.

- adjustable by-pass
- connections: FAR 24 X 19
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1484



Code	outlets	€	box	pack
1484	24 x 19	27,37	5	50

Sealing KIT complete with 2 adapters for ART. 1421-1422-1423-1424-1481-1482-1483-1484 for panel radiators with 3/4" male connection.

ART. 6080



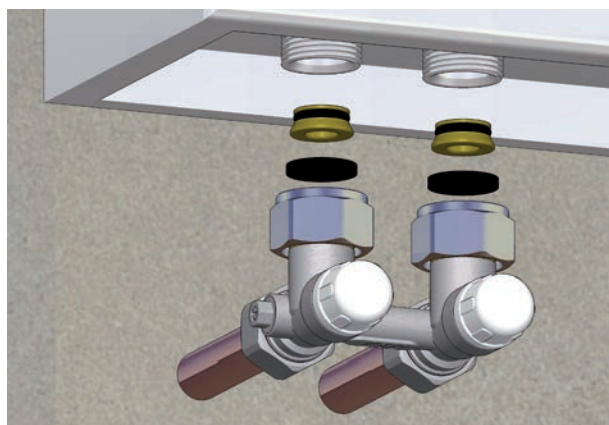
Code	€	box
6080	1,84	25

Sealing KIT complete with 2 adapters for ART. 1421-1422-1423-1424-1481-1482-1483-1484 for panel radiators with 1/2" female connection.

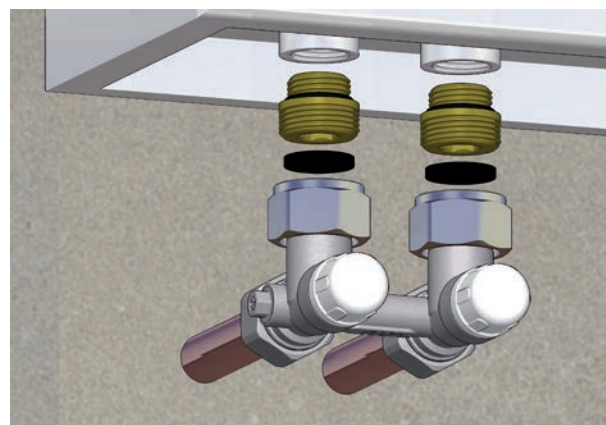


ART. 6081

Code	€	box
6081	4,61	25



Connection to panel radiator with 3/4" male EUROKONUS by means of adapters art. 6080.



Connection to panel radiator with 1/2" female by means of adapters art. 6081.

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve without union and nut.

- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm


ART. 1431

Code	€	box	pack
1431	28,41	10	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve, right-hand version. Without union and nut.

- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm


ART. 1432

Code	€	box	pack
1432	33,31	10	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve, left-hand version. Without union and nut.

- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm


ART. 1433

Code	€	box	pack
1433	34,79	10	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm

D = RIGHT connection
S = LEFT connection


ART. 1438

Code	size	€	box	pack
1438 12	1/2"	29,66	5	40
1438 34	3/4"	30,21	5	40
1438 1D	1"	32,56	5	40
1438 1S	1"	32,56	5	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve complete with union and nut.

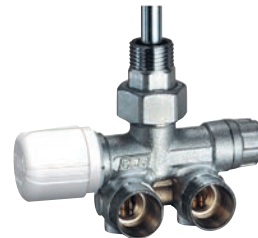
- 450 mm ø 10 mm metal probe
- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm


ART. 1435

Code	probe	size	€	box	pack
1435	Ø 10	1/2"	35,97	10	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve, right-hand version. Complete with union and nut.

- 450 mm ø 10 mm metal probe
- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm


ART. 1436

Code	probe	size	€	box	pack
1436	Ø 10	1/2"	40,78	10	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve, left-hand version. Complete with union and nut.

- 450 mm ø 10 mm metal probe
- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm


ART. 1437

Code	probe	size	€	box	pack
1437	Ø 10	1/2"	40,78	10	40

Chrome-plated thermostatic SINGLE-PIPE valve **with adjustable centre distance**.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm \varnothing 12 mm metal probe
- centre distance between ports: 40-50 mm and 48-65 mm
- **Patent pending**

D = RIGHT connection
S = LEFT connection



ART. 1425

Code	probe	size	centre dist.	€	box	pack
1425 1250	\varnothing 12	1/2"	40-50 mm	35,76	1	40
1425 1265	\varnothing 12	1/2"	48-65 mm	36,31	1	40
1425 3450	\varnothing 12	3/4"	40-50 mm	36,39	1	40
1425 3465	\varnothing 12	3/4"	48-65 mm	36,93	1	40
1425 150D	\varnothing 12	1"	40-50 mm	37,84	1	40
1425 150S	\varnothing 12	1"	40-50 mm	37,84	1	40
1425 165D	\varnothing 12	1"	48-65 mm	38,38	1	40
1425 165S	\varnothing 12	1"	48-65 mm	38,38	1	40

Chrome-plated thermostatic SINGLE-PIPE valve **with adjustable centre distance**.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm \varnothing 12 mm metal probe
- centre distance between ports: 40-50 mm and 48-65 mm
- **Patent pending**

D = RIGHT connection
S = LEFT connection



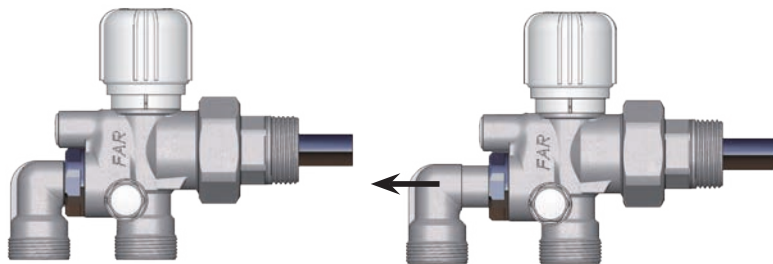
ART. 1428

Code	probe	size	centre dist.	€	box	pack
1428 1250	\varnothing 12	1/2"	40-50 mm	40,04	1	-
1428 1265	\varnothing 12	1/2"	48-65 mm	40,56	1	-
1428 3450	\varnothing 12	3/4"	40-50 mm	40,65	1	-
1428 3465	\varnothing 12	3/4"	48-65 mm	41,17	1	-
1428 150D	\varnothing 12	1"	40-50 mm	42,14	1	-
1428 150S	\varnothing 12	1"	40-50 mm	42,14	1	-
1428 165D	\varnothing 12	1"	48-65 mm	42,65	1	-
1428 165S	\varnothing 12	1"	48-65 mm	42,65	1	-

Single-double pipe thermostatic valves, Art.1425-1428, allow the distance between the flow and the return connections to be changed, depending on your system requirements

This type of valve provides manual or thermostatic regulation.

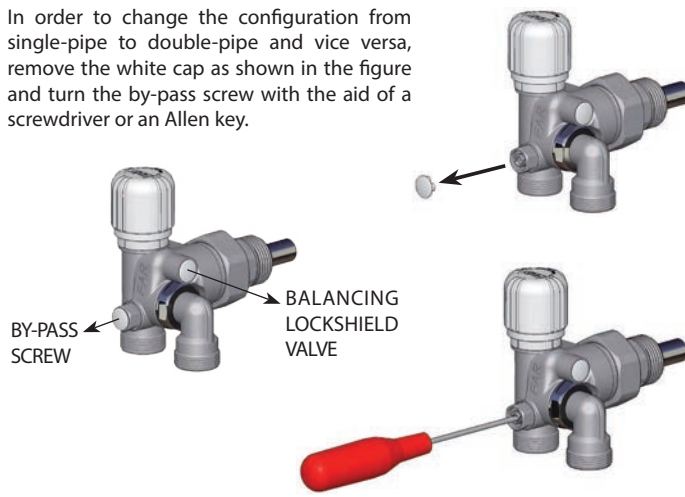
In order to change the distance between the flow and return, the regulating curve should be lengthened until it reaches the desired position. **There are two adjustment ranges: 40mm - 50mm or 48mm - 65mm**



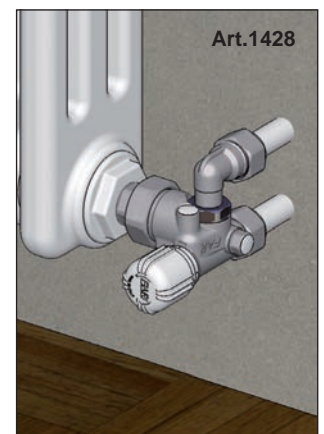
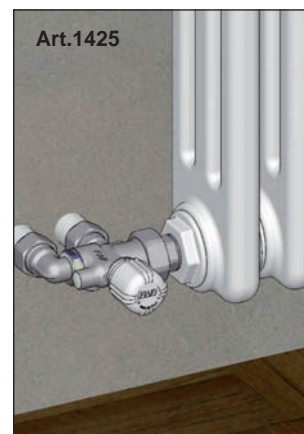
CODE	SIZE	CENTRE DISTANCE	
		MIN	MAX
1425 1250 - 1428 1250	1/2"	40mm	50mm
1425 1265 - 1428 1265	1/2"	48mm	65mm
1425 3450 - 1428 3450	3/4"	40mm	50mm
1425 3465 - 1428 3465	3/4"	48mm	65mm
1425 150D* - 1428 150D*	1"	40mm	50mm
1425 150S* - 1428 150S*	1"	40mm	50mm
1425 165D* - 1428 165D*	1"	48mm	65mm
1425 165S* - 1428 165S*	1"	48mm	65mm

* D: right thread S: left thread

In order to change the configuration from single-pipe to double-pipe and vice versa, remove the white cap as shown in the figure and turn the by-pass screw with the aid of a screwdriver or an Allen key.



Installation example of thermostatic single/double-pipe valves with adjustable centre distance



Chrome-plated thermostatic SINGLE-PIPE valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm

D = RIGHT connection
S = LEFT connection



ART. 1420



Code	probe	size	€	box	pack
1420 12	Ø 12	1/2"	29,04	5	20
1420 34	Ø 12	3/4"	29,04	5	20
1420 1D	Ø 12	1"	31,87	5	20
1420 1S	Ø 12	1"	31,87	5	20

Chrome-plated thermostatic SINGLE-PIPE "GRT" valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- connection for external probe
- input for heating fluid from above
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1440



Code	size	€	box	pack
1440 12	1/2"	33,51	5	40

Chrome-plated thermostatic SINGLE-PIPE valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- reversible union for external probe
- input for heating fluid from above
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1442



Code	size	€	box	pack
1442 12	1/2"	38,59	5	-

Chrome-plated thermostatic DOUBLE-PIPE valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm Ø 12 mm metal probe
- centre distance between ports: 35 mm

D = RIGHT connection

S = LEFT connection



ART. 1430



Code	probe	size	€	box	pack
1430 12	Ø 12	1/2"	26,84	5	20
1430 34	Ø 12	3/4"	26,84	5	20
1430 1D	Ø 12	1"	29,68	5	20
1430 1S	Ø 12	1"	29,68	5	20

Chrome-plated thermostatic DOUBLE-PIPE valve for external probe.

- interchangeable sizes for copper, plastic and multilayer pipe
- External probe connection
- input for heating fluid from above
- centre distance between ports: 35 mm
- Radiator connections: 1/2"

NB the connection probe must be purchased separately.



ART. 1457



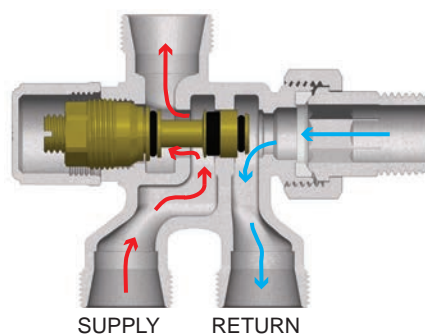
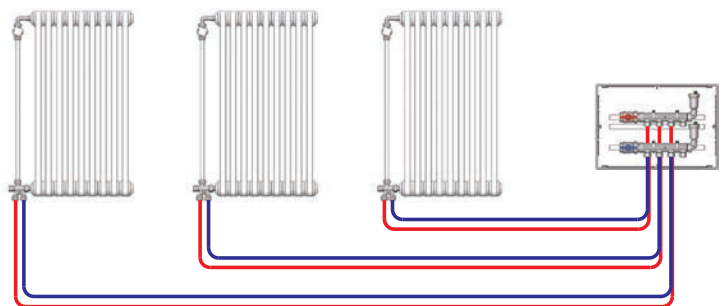
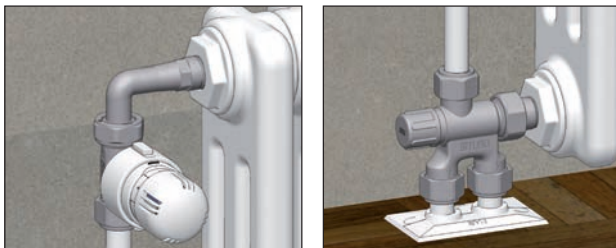
Code	size	€	box	pack
1457 12	1/2"	32,44	5	40

INSTALLATION

The circuit is characterized by having a supply and a return pipe for each radiator.

The example shows a circuit with three radiators with valves Art.1457 and distribution manifolds in box for supply and return.

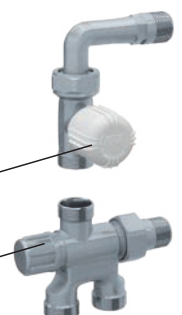
Installation overview



The lockshield valve calibration, by means of a 5 Allen wrench or a screwdriver, allows the water flow to the radiator to be adjusted. The picture shows flow with valve open. By closing the lockshield valve there is no water passing inside the radiator.

Handle for opening and closing of water flow to radiator
(Possibility of installing the thermostatic control Art.1824)

Lockshield valve for circuit balancing



Chrome-plated manual MONOSTILE valve for single-pipe systems.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm

D = RIGHT connection
S = LEFT connection



ART. 1450

Code	probe	size	€	box	pack
1450 1212	Ø 12	1/2"	23,31	5	20
1450 3412	Ø 12	3/4"	23,72	5	20
1450 3414	Ø 14	3/4"	23,72	5	20
1450 114D	Ø 14	1"	24,04	5	20
1450 114S	Ø 14	1"	24,04	5	20

Chrome-plated manual MONOTUBO valve for single-pipe systems.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm



ART. 1455

Code	probe	size	€	box	pack
1455 1212	Ø 12	1/2"	20,27	5	50
1455 3412	Ø 12	3/4"	20,91	5	50

Chrome-plated manual MONOFAR valve for single-pipe systems.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm



ART. 1451

Code	probe	size	€	box	pack
1451 1212	Ø 12	1/2"	20,38	5	50
1451 3412	Ø 12	3/4"	21,03	5	50

Chrome-plated manual MONOSTILE valve for single-pipe systems.

- interchangeable sizes for copper, plastic and multilayer pipe
- bent probe for panel radiators
- centre distance between ports: 35 mm

ART. 8050

- Single-panel bent probe.



ART. 8051

- Double-panel bent probe.



Chrome-plated manual BITUBO valve for double-pipe systems.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm



ART. 1456

Code	size	€	box	pack
1456 1212	1/2"	21,24	5	50

Chrome-plated manual MONODET valve for single-pipe systems.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm
- Available until we run out of stock



ART. 1550

Code	probe	size	€	box	pack
1550 1212	Ø 12	1/2"	31,59	10	20
1550 3412	Ø 12	3/4"	32,03	10	20
1550 3414	Ø 14	3/4"	32,03	10	20
1550 114D	Ø 14	1"	32,38	10	20
1550 114S	Ø 14	1"	32,38	10	20

Chrome-plated manual MONOTUBO valve for convector.

- interchangeable sizes for copper, plastic and multilayer pipe
- input for heating fluid from above
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1600

Code	size	€	box	pack
1600 12	1/2"	34,72	3	24

Chrome-plated manual MONOSTILE valve for single-pipe systems.

- reversible union for external probe
- interchangeable sizes for copper, plastic and multilayer pipe
- centre distance between ports: 35 mm



ART. 1462



Code	size	€	box	pack
1462 12	1/2"	29,04	5	40

Chrome-plated manual MONOSTILE valve for single-pipe systems.

- reversible union for external probe
- chrome-plated male elbow
- interchangeable sizes for copper, plastic and multilayer pipe
- centre distance between ports: 35 mm



ART. 1472



Code	size	€	box	pack
1472 12	1/2"	32,86	5	40

NB the connection probe must be purchased separately.

Chrome-plated manual MONOFAR valve for single-pipe systems.

- reversible union for external probe
- chrome-plated male elbow
- interchangeable sizes for copper, plastic and multilayer pipe
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1452



Code	size	€	box	pack
1452 12	1/2"	25,73	5	40

Chrome-plated manual valve for single-pipe systems.

- reversible union for external probe
- interchangeable sizes for copper, plastic and multilayer pipe
- centre distance between ports: 35 mm



ART. 1463



Code	size	€	box	pack
1463 12	1/2"	22,00	5	40

Chrome-plated manual valve for single-pipe systems.

- reversible union for external probe
- chrome-plated male elbow
- interchangeable sizes for copper, plastic and multilayer pipe
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1473



Code	size	€	box	pack
1473 12	1/2"	25,26	5	40

Chrome-plated reversible union for MONOSTILE valve ART.1462-1472, with connection for external probe.



ART. 8335



Code	size	€	box
8335 12	1/2"	9,74	10

Chrome-plated reduced reversible union for MONOTUBO valve ART.1452-1463-1473, with connection for external probe.



ART. 8336



Code	size	€	box
8336 12	1/2"	8,80	10

Chrome-plated manual GRD valve for single-pipe systems.

- interchangeable sizes for copper, plastic and multilayer pipe
- external probe connection
- input for heating fluid from above
- preset for connection to ART. 1630
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1575

Code	size	€	box	pack
1575 12	1/2"	22,11	5	40

Chrome-plated manual GR valve for single-pipe systems.

- interchangeable sizes for copper, plastic and multilayer pipe
- external probe connection
- input for heating fluid from above
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1585

Code	size	€	box	pack
1585 12	1/2"	20,92	5	40

Chrome-plated manual GR 3P valve for single-pipe systems.

- interchangeable sizes for copper, plastic and multilayer pipe
- external probe connection
- input for heating fluid from above
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1590

Code	size	€	box	pack
1590 12	1/2"	23,22	5	40

Chrome-plated manual GRM valve for single-pipe systems.

- interchangeable sizes for copper, plastic and multilayer pipe
- external probe connection
- input for heating fluid from above
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1595

Code	size	€	box	pack
1595 12	1/2"	25,89	5	40

Chrome-plated elbow for GR valve (art. 1585).



ART. 5226

Code	size	€	box	pack
5226	1/2"	4,46	25	-

Chrome-plated elbow for GRD valve (art. 1575).



ART. 5227

Code	size	€	box	pack
5227	1/2"	5,16	25	-

Chrome-plated elbow for GR 3P valve (art. 1590).



ART. 5229

Code	size	€	box	pack
5229	1/2"	7,27	25	-

Chrome-plated elbow for installation of art. 1630 on GRM valve (art. 1595).



ART. 5232

Code	size	€	box	pack
5232	1/2"	4,38	25	-

Chrome-plated manual SINGLE/DOUBLE PIPE angled valve for panel radiators.

- adjustable by-pass
- connections: 3/4" EUROKONUS
- centre distance between ports: 50 mm
- Flat gaskets in EPDM

**ART. 1421**

Code	outlets	€	box	pack
1421	3/4" EUROKONUS	21,69	5	50

Chrome-plated manual SINGLE/DOUBLE PIPE angled valve for panel radiators.

- adjustable by-pass
- connections: FAR 24 X 19
- centre distance between ports: 50 mm
- Flat gaskets in EPDM

**ART. 1422**

Code	outlets	€	box	pack
1422	24 x 19	21,69	5	50

Chrome-plated manual SINGLE/DOUBLE PIPE straight valve for panel radiators.

- adjustable by-pass
- connections: 3/4" EUROKONUS
- centre distance between ports: 50 mm
- Flat gaskets in EPDM

**ART. 1423**

Code	outlets	€	box	pack
1423	3/4" EUROKONUS	22,15	5	50

Chrome-plated manual SINGLE/DOUBLE PIPE straight valve for panel radiators.

- adjustable by-pass
- connections: FAR 24 X 19
- centre distance between ports: 50 mm
- Flat gaskets in EPDM

**ART. 1424**

Code	outlets	€	box	pack
1424	24 x 19	22,15	5	50

Sealing KIT complete with 2 adapters for ART. 1421-1422-1423-1424-1481-1482-1483-1484 for panel radiators with 3/4" male connection.

ART. 6080

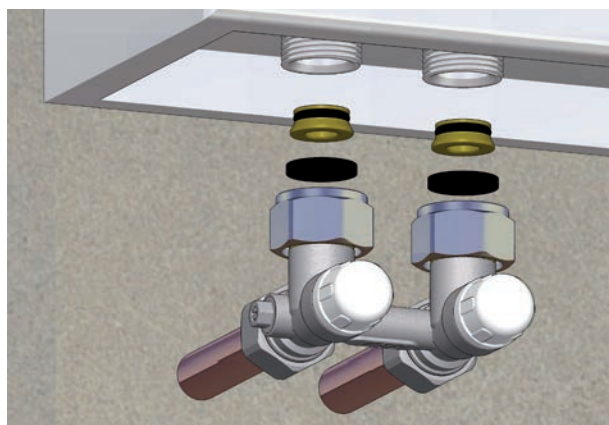
Code	€	box
6080	1,84	25



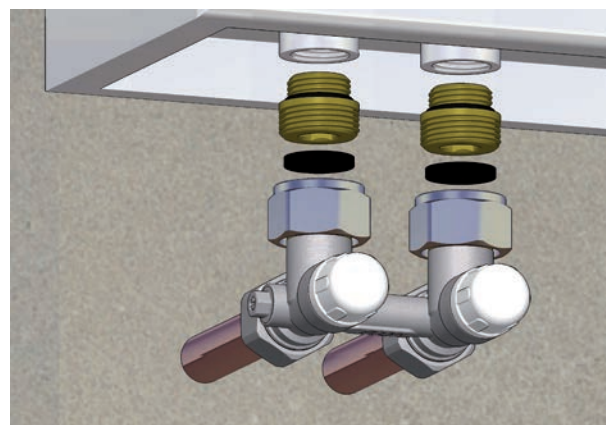
Sealing KIT complete with 2 adapters for ART. 1421-1422-1423-1424-1481-1482-1483-1484 for panel radiators with 1/2" female connection.

ART. 6081

Code	€	box
6081	4,61	25



Connection to panel radiator with 3/4" male EUROKONUS by means of adapters art. 6080.



Connection to panel radiator with 1/2" female by means of adapters art. 6081.

Chrome-plated eccentric fitting for connection in case of heating body replacement, with variation of centre distance between ports.

- connections: FEMALE-MALE

ART. 5560

Code	centre dist.	size	€	box	pack
5560 138	cm. 1	3/8"x3/8"	3,92	25	250
5560 238	cm. 2	3/8"x3/8"	4,63	25	250
5560 338	cm. 3	3/8"x3/8"	5,00	25	250
5560 438	cm. 4	3/8"x3/8"	5,45	25	250
5560 538	cm. 5	3/8"x3/8"	5,79	25	250
5560 638	cm. 6	3/8"x3/8"	6,17	25	250



Code	centre dist.	size	€	box	pack
5560 112	cm. 1	1/2"x1/2"	3,92	25	250
5560 212	cm. 2	1/2"x1/2"	4,63	25	250
5560 312	cm. 3	1/2"x1/2"	5,00	25	250
5560 412	cm. 4	1/2"x1/2"	5,45	25	250
5560 512	cm. 5	1/2"x1/2"	5,79	25	250
5560 612	cm. 6	1/2"x1/2"	6,17	25	250
5560 134	cm. 1	3/4"x3/4"	5,26	10	300
5560 234	cm. 2	3/4"x3/4"	6,36	10	300
5560 334	cm. 3	3/4"x3/4"	6,97	10	160
5560 434	cm. 4	3/4"x3/4"	7,30	10	160
5560 534	cm. 5	3/4"x3/4"	8,03	10	160
5560 634	cm. 6	3/4"x3/4"	8,73	10	100

Chrome-plated eccentric fitting for connection in case of heating body replacement, with variation of centre distance between ports.

- connections: MALE-MALE

ART. 5563


Code	centre dist.	size	€	box	pack
5563 13412	cm. 1	3/4"x1/2"	3,92	25	250
5563 23412	cm. 2	3/4"x1/2"	4,63	25	250
5563 33412	cm. 3	3/4"x1/2"	5,00	25	250
5563 43412	cm. 4	3/4"x1/2"	5,45	25	250
5563 53412	cm. 5	3/4"x1/2"	5,79	25	250
5563 63412	cm. 6	3/4"x1/2"	6,17	25	250

Brass plug for plant test.


ART. 1444

Code	€	box	pack
1444	1,92	50	-

Brass plug for plant test.
• Ø 22mm copper pipe


ART. 1446

Code	€	box	pack
1446 22	5,70	50	-

Brass external template without nuts for testing of SINGLE/DOUBLE PIPE systems.

- centre distance between ports: 35 mm


ART. 1445

Code	€	box	pack
1445	5,50	50	-

Fitting suitable for connection of a FAR 1/2" manual or thermostatic valve to a fancoil with 3/4" male eurokonus connection.

- M26x1.5 nut
- 3/4" nut
- O-Ring in EPDM-P
- CW617N printed brass


ART. 8328

Code	size	€	box
8328 34	3/4"	9,64	1

Chrome-plated telescopic terminal.

- size: 3/8" - extension from 32mm to 55mm
- size: 1/2" - 3/4" - extension from 35mm to 60mm


ART. 8820

Code	size	€	box	pack
8820 38	3/8" 32-55 mm	4,73	10	-
8820 12	1/2" 35-60 mm	5,83	10	-
8820 34	3/4" 35-60 mm	12,42	10	-

Chrome-plated copper pipe complete with threaded fitting

- 1/2" male connection with EDPM gasket
- Copper pipe: D. 15 mm



ART. 8875

Code	Length	size	€	box	pack
8875 1210	100 mm	1/2"	10,20	20	-
8875 1220	200 mm	1/2"	12,25	20	-

Chrome-plated fitting, to change a 1/2" iron pipe connection to a Ø 15mm connection for copper pipe.

- Connection: 1/2" female
- Copper pipe: Ø 15 mm
- Length: 50 mm



ART. 8876

Code	Length	size	€	box	pack
8876 1205	50 mm	1/2"	8,17	20	-

Body replacement kit for thermostatic valves, LadyFar and TopFar valves, art. 1428 excluded.

Complete with:

- wrench to replace bodies
- no. 10 Spare O-rings for extractor
- no. 20 bodies for thermostatic valves



ART. 6002

Code	€	box	pack
6002	325,31	1	-

Brass body for thermostatic valves.



ART. 9000

Code	€	box
9000	3,19	10

Brass body for thermostatic SINGLE/DOUBLE PIPE valves with adjustable centre distance between ports (ART. 1425).



ART. 9009

Code	€	box
9009	3,95	10

Insert for body replacement kit for thermostatic valves with presetting.

NB: to use this insert you need the body replacement kit for thermostatic valves, art.6002



ART. 6003

Code	€	box	pack
6003	88,72	1	-

Brass body for thermostatic valves with presetting.



ART. 9006

Code	€	box
9006	5,14	10

Plastic wall covering plate for valves and lockshield valves.

ART. 6200

Code	size	€	box	pack
6200 10	Ø 10	0,53	150	600
6200 12	Ø 12	0,53	150	600
6200 14	Ø 14	0,53	150	600
6200 16	Ø 16	0,53	150	600
6200 18	Ø 18	0,53	150	600
6200 22	Ø 22	0,53	150	600



Plastic wall covering plate for single-double pipe valves.

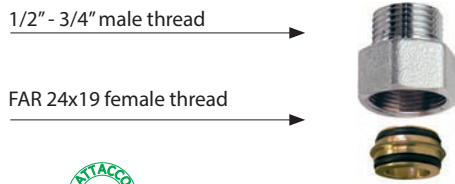
ART. 6150

Code	size	€	box	pack
6150 12	Ø 12	0,58	100	400
6150 14	Ø 14	0,58	100	400
6150 16	Ø 16	0,58	100	400
6150 18	Ø 18	0,58	100	400



Chrome-plated reducer. Permits changing a FAR 24X19 male thread in a 1/2" - 3/4" male thread.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only



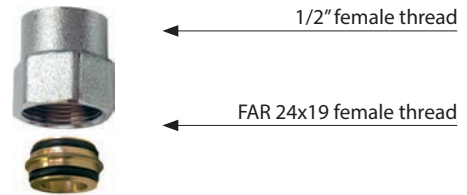
ART. 8865



Code	size	length/mm	€	box	pack
8865 3012	24x19 - 1/2" Flat faced	30	3,37	25	250
8865 3034	24x19 - 3/4" Flat faced	30	3,37	25	250
8865 3034EU	24x19 - 3/4" Eurokonus	30	3,37	25	250

Chrome-plated reducer. Permits changing a FAR 24X19 male thread in a 1/2" female thread.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only



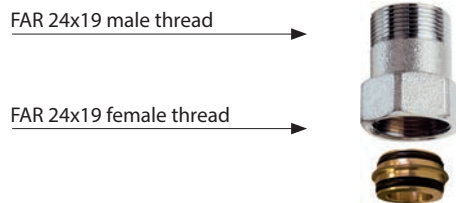
ART. 8870



Code	size	length/mm	€	box	pack
8870 30	24x19 - 1/2"	30	3,37	25	250

Chrome-plated straight extension.

- interchangeable sizes for copper, plastic and multilayer pipe
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only



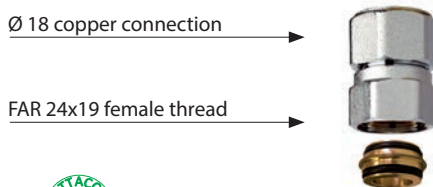
ART. 8850



Code	length/mm	€	box
8850 30	30	3,41	25
8850 35	35	3,41	25
8850 40	40	3,41	25

Chrome-plated straight extension. Permits changing a FAR 24 x 19 male thread in a Ø 18 connection for copper pipe.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only



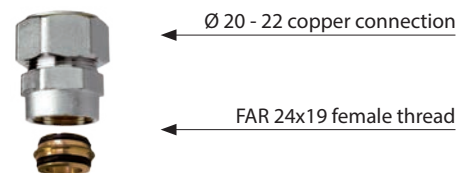
ART. 8850



Code	size	length/mm	€	box	pack
8850 G1830	24x19 - Ø18	30	6,40	25	250
8850 G1835	24x19 - Ø18	35	6,40	25	250
8850 G1840	24x19 - Ø18	40	6,40	25	250

Chrome-plated straight extension. Permits changing a FAR 24 x 19 male thread in a Ø 20-22 connection for copper pipe.

- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16 mm only



ART. 8850



Code	size	length/mm	€	box	pack
8850 G2030	24x19 - Ø 20	30	8,01	10	250
8850 G2230	24x19 - Ø 22	30	8,01	10	250

Chrome-plated special elbow.

- interchangeable sizes for copper, plastic and multilayer pipe
- Ø 16 mm cylindrical part



ART. 8900



Code	length/mm	€	box
8900 35	30	4,44	25
8900 100	100	9,90	25

Chrome-plated special elbow.

- interchangeable sizes for copper, plastic and multilayer pipe
- complete with chrome-plated manual air vent valve
- Ø 16 mm cylindrical part



ART. 8901



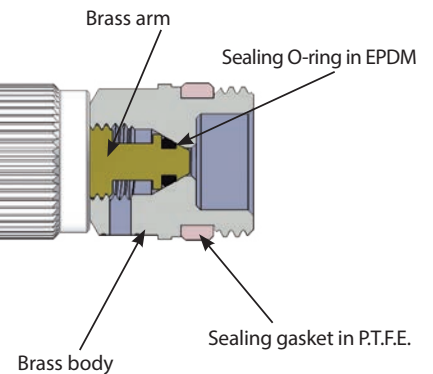
Code	€	box
8901	6,25	25

Manual air vent valve.

- Plastic handle
- Sealing O-ring on the arm
- Gasket in PTFE for high temperature
- Nominal pressure: 10 bar
- Max. working temperature: 95°C



Opening/closing handle



ART. 6135

Code	size	€	box	pack
6135 18	1/8"	1,53	50	500
6135 14	1/4"	1,53	50	500
6135 38	3/8"	1,78	50	500
6135 12	1/2"	2,59	50	500

GAISER - Air vent valve with lateral purge.
Supplied with gasket on the thread to make installation easier.

- Body made of CW617N stamped brass
- Nominal pressure: 10 bar
- Max. working differential pressure: 4 bar
- Max. working temperature: 110°C
- Float: PP



ART. 2043

Code	finish	size	€	box	pack
2043 38	chrome	3/8"	8,54	10	100
2043 12	chrome	1/2"	8,69	10	100

Chrome-plated manual air vent valve with swiveling purge, hose and sealing O-Ring.

- Nominal pressure: 10 bar
- Max. working temperature: 80°C



ART. 6015

Code	size	€	box	pack
6015 14	1/4"	2,99	50	500
6015 38	3/8"	3,17	50	500

Chrome-plated swiveling manual vent valve complete with square head and sealing O-Ring.

- Nominal pressure: 10 bar
- Max. working temperature: 80°C



ART. 6010

Code	size	€	box
6010 12	1/2"	2,87	25

Key with square head for vent valves ART. 6010-6020.



ART. 6300

Code	size	€	box
6300	□ 5	0,90	1

Chrome-plated manual air vent valve with swiveling purge. Opening handle with square head and sealing O-Ring.

- Nominal pressure: 10 bar
- Max. working temperature: 80°C



ART. 6020

Code	size	€	box
6020 38	3/8"	1,90	40
6020 12	1/2"	2,07	40

Kit for plastic pipes. Suitable for all our products with 24x19 interchangeable connection.

Complete with:

- adapter for plastic pipe
- brass ring
- chrome-plated nut with 24x19 thread


ART. 6052

Code	pipe	Ø external diameter	€	box	pack
6052 95147	plastic	10,5x1,25	3,16	50	500
6052 48186	plastic	12x2,15	3,16	50	500
6052 4847	plastic	12x2	3,16	50	500
6052 48184	plastic	12x1,5	3,16	50	500
6052 481005	plastic	12x1,35	3,16	50	500
6052 9761005	plastic	12,7x1,7	3,16	50	500
6052 976186	plastic	12,7x2,4	3,16	50	500
6052 6563	plastic	14x1,5	3,16	50	500
6052 6545	plastic	14x2	3,16	50	500
6052 4645	plastic	15x2,5	3,16	50	500
6052 4663	plastic	15x2	3,16	50	500
6052 46173	plastic	15x1,7	3,16	50	500
6052 4661	plastic	15x1,5	3,16	50	500
6052 5863	plastic	16x2,5	3,16	50	500
6052 58173	plastic	16x2,2	3,16	50	500
6052 5861	plastic	16x2	3,16	50	500
6052 58262	plastic	16x1,8	3,16	50	500
6052 5864	plastic	16x1,5	3,16	50	500
6052 58180	plastic	16x2,7	3,16	50	500
6052 15061	plastic	16,8x2,4	3,16	50	500
6052 150829	plastic	17x2,25	3,16	50	500
6052 15043	plastic	17x2	3,16	50	500
6052 6043	plastic	17,8x2,4	3,16	50	500
6052 60180	plastic	17,8x3,6	3,16	50	500
6052 4443	plastic	18x2,5	3,16	50	500
6052 44221	plastic	18x2,2	3,16	50	500
6052 4468	plastic	18x2	3,16	50	500
6052 8043	plastic	20x3,5	3,16	50	500
6052 8068	plastic	20x3	3,16	50	500
6052 80185	plastic	20x2,8	3,16	50	500
6052 80222	plastic	20x2,3	3,16	50	500
6052 8069	plastic	20x2,15	3,16	50	500
6052 80214	plastic	20x2	3,16	50	500
6052 80261	plastic	20x1,9	3,16	50	500

Kit for MULTILAYER pipes. Suitable for all our products with 24x19 interchangeable connection.

Complete with:

- adapter for plastic pipe
- brass ring
- chrome-plated nut with 24x19 thread


ART. 6055

Code	pipe	Ø external diameter	€	box	pack
6055 902901	multilayer	11,6x1,5	3,41	50	500
6055 48901	multilayer	12x1,8	3,41	50	500
6055 65193	multilayer	14x2	3,41	50	500
6055 46193	multilayer	15x2,5	3,41	50	500
6055 58190	multilayer	16x2	3,41	50	500
6055 58200	multilayer	16x2,25	3,41	50	500
6055 58278	multilayer	16,2x2,6	3,41	50	500
6055 150200	multilayer	16,8x2,5	3,41	50	500
6055 150810	multilayer	17x2	3,41	50	500
6055 44191	multilayer	18x2	3,41	50	500
6055 80204	multilayer	20x2	3,41	50	500
6055 80192	multilayer	20x2,25	3,41	50	500
6055 80201	multilayer	20x2,5	3,41	50	500
6055 80191	multilayer	20x2,9	3,41	50	500

Sealing compression KIT in rubber for copper pipe.

Complete with:

- brass pipe guide washer
- rubber compression single-taper
- brass ring
- chrome-plated nut 24x19 thread


ART. 8427

Code	pipe	size	€	box	pack
8427 10	copper	Ø 10	1,83	100	500
8427 12	copper	Ø 12	1,83	100	500
8427 14	copper	Ø 14	1,83	100	500

Sealing compression KIT in rubber for copper pipe.

Complete with:

- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread


ART. 8429

Code	pipe	size	€	box	pack
8429 15	copper	Ø 15	1,72	100	500
8429 16	copper	Ø 16	1,72	100	500

Code	Description	size	gasket	€	box	pack
1610 38G18	ANGLED THERMOSTATIC VALVE	3/8"x18	Rubber	13,62	10	100
1610 12G18	ANGLED THERMOSTATIC VALVE	1/2"x18	Rubber	14,87	10	100
1630 38G18	STRAIGHT THERMOSTATIC VALVE	3/8"x18	Rubber	14,11	10	100
1630 12G18	STRAIGHT THERMOSTATIC VALVE	1/2"x18	Rubber	15,26	10	100
1050 38G18	ANGLED VALVE	3/8"x18	Rubber	10,37	10	100
1050 12G18	ANGLED VALVE	1/2"x18	Rubber	11,45	10	100
1100 38G18	ANGLED LOCKSHIELD VALVE	3/8"x18	Rubber	9,67	10	100
1100 12G18	ANGLED LOCKSHIELD VALVE	1/2"x18	Rubber	11,25	10	100
1250 38G18	STRAIGHT VALVE	3/8"x18	Rubber	11,37	10	100
1250 12G18	STRAIGHT VALVE	1/2"x18	Rubber	12,26	10	100
1300 38G18	STRAIGHT LOCKSHIELD VALVE	3/8"x18	Rubber	10,71	10	100
1300 12G18	STRAIGHT LOCKSHIELD VALVE	1/2"x18	Rubber	11,64	10	100
1420 12G18	SINGLE-PIPE THERMOSTATIC VALVE	1/2"x18	Rubber	34,26	13	26
1420 34G18	SINGLE-PIPE THERMOSTATIC VALVE	3/4"x18	Rubber	34,26	13	26
1430 12G18	DOUBLE-PIPE THERMOSTATIC VALVE	1/2"x18	Rubber	31,69	13	26
1430 34G18	DOUBLE-PIPE THERMOSTATIC VALVE	3/4"x18	Rubber	31,69	13	26
1425 1250G18	THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1/2"x18	Rubber	40,08	1	-
1425 1265G18	THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1/2"x18	Rubber	40,61	1	-
1425 3450G18	THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	3/4"x18	Rubber	40,70	1	-
1425 3465G18	THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	3/4"x18	Rubber	41,24	1	-
1425 150DG18	THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber	42,17	1	-
1425 150SG18	THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber	42,17	1	-
1425 165DG18	THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber	42,70	1	-
1425 165SG18	THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber	42,70	1	-
1428 1250G18	THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1/2"x18	Rubber	44,19	1	-
1428 1265G18	THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1/2"x18	Rubber	44,70	1	-
1428 150DG18	THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber	46,16	1	-
1428 150SG18	THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber	46,16	1	-
1428 165DG18	THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber	46,69	1	-
1428 165SG18	THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber	46,69	1	-
1428 3450G18	THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	3/4"x18	Rubber	44,79	1	-
1428 3465G18	THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	3/4"x18	Rubber	45,29	1	-
1440 12G18	"GRT" THERMOSTATIC VALVE	1/2"x18	Rubber	38,70	5	40
1450 1212G18	"MONOSTILE" VALVE WITH Ø12 METAL PROBE	1/2"x18	Rubber	27,44	13	26
1450 3412G18	"MONOSTILE" VALVE WITH Ø12 METAL PROBE	3/4"x18	Rubber	27,89	13	26
1450 3414G18	"MONOSTILE" VALVE WITH Ø14 METAL PROBE	3/4"x18	Rubber	27,89	13	26
1450 114DG18	"MONOSTILE" VALVE WITH RIGHT CONNECTION AND Ø14 METAL PROBE	1"x18	Rubber	28,16	13	26
1450 114SG18	"MONOSTILE" VALVE WITH LEFT CONNECTION AND Ø14 METAL PROBE	1"x18	Rubber	28,16	13	26
1455 1212G18	"MONOTUBO" VALVE WITH Ø12 METAL PROBE	1/2"x18	Rubber	24,76	5	40
1455 3412G18	"MONOTUBO" VALVE WITH Ø12 METAL PROBE	3/4"x18	Rubber	25,44	5	40
1500 121RG18	"MONOSTILE" VALVE WITH ONE-RANK BENT ANGLED PROBE FOR PANEL RADIATORS	1/2"x18	Rubber	27,99	13	26
1500 122RG18	"MONOSTILE" VALVE WITH TWO-RANK BENT ANGLED PROBE FOR PANEL RADIATORS	1/2"x18	Rubber	27,99	13	26
1550 1212G18	"MONODET" VALVE WITH Ø12 METAL PROBE	1/2"x18	Rubber	36,72	10	20
1550 3412G18	"MONODET" VALVE WITH Ø12 METAL PROBE	3/4"x18	Rubber	37,20	10	20
1550 3414G18	"MONODET" VALVE WITH Ø14 METAL PROBE	3/4"x18	Rubber	37,20	10	20
1550 114DG18	"MONODET" VALVE WITH RIGHT CONNECTION AND Ø14 METAL PROBE	1"x18	Rubber	37,53	10	20
1550 114SG18	"MONODET" VALVE WITH LEFT CONNECTION AND Ø14 METAL PROBE	1"x18	Rubber	37,53	10	20
1600 12G18	"MONOTUBO" VALVE FOR CONVECTOR	1/2"x18	Rubber	39,97	3	24
1462 12G18	"MONOSTILE" VALVE WITH REVERSIBLE UNION FOR EXTERNAL PROBE	1/2"x18	Rubber	34,22	5	40
1472 12G18	"MONOSTILE" VALVE WITH REVERSIBLE UNION FOR EXTERNAL PROBE COMPLETE WITH ELBOW	1/2"x18	Rubber	38,70	5	40
1463 12G18	"MONOTUBO" VALVE WITH REVERSIBLE UNION FOR EXTERNAL PROBE	1/2"x18	Rubber	26,85	5	40
1473 12G18	"MONOTUBO" VALVE WITH REVERSIBLE UNION FOR EXTERNAL PROBE COMPLETE WITH ELBOW	1/2"x18	Rubber	30,84	5	40
1575 12G18	"MONOTUBO" "GRD" VALVE WITH INPUT FOR HEATING FLUID FROM ABOVE	1/2"x18	Rubber	26,40	5	40

Code	Description	size	gasket	€	box	pack
1585 12G18	"MONOTUBO""GR" VALVE WITH INPUT FOR HEATING FLUID FROM ABOVE	1/2"x18	Rubber	25,01	5	40
1590 12G18	"MONOTUBO""GR 3P" VALVE WITH INPUT FOR HEATING FLUID FROM ABOVE	1/2"x18	Rubber	27,45	5	40
1595 12G18	"MONOTUBO""GRM" VALVE WITH INPUT FOR HEATING FLUID FROM ABOVE	1/2"x18	Rubber	30,69	5	40
8850 G1830	30 mm. STRAIGHT EXTENSION	(24x19)x18	Rubber	6,40	25	-
8850 G1835	35 mm. STRAIGHT EXTENSION	(24x19)x18	Rubber	6,40	25	-
8850 G1840	40 mm. STRAIGHT EXTENSION	(24x19)x18	Rubber	6,40	25	-
8900 35G18	SPECIAL ELBOW	(24x19)x18	Rubber	6,71	25	-



08

Valves and spare parts for designer radiators

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Thermostatic valve complete with nut, left-angled version.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Handle in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut


ART. 0101

ART. 0111


Code	Finish	size	€	box
0101 38P	chrome	3/8"	37,83	1
0101 12P	chrome	1/2"	37,83	1
0111 38P	white-chrome	3/8"	35,69	1
0111 12P	white-chrome	1/2"	35,69	1

Thermostatic valve complete with nut, right-angled version.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Handle in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut


ART. 0102

ART. 0112


Code	Finish	size	€	box
0102 38P	chrome	3/8"	37,83	1
0102 12P	chrome	1/2"	37,83	1
0112 38P	white-chrome	3/8"	35,69	1
0112 12P	white-chrome	1/2"	35,69	1

Lockshield valve complete with nut, right-angled.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut


ART. 0122

ART. 0132


Code	Finish	size	€	box
0122 38P	chrome	3/8"	34,99	1
0122 12P	chrome	1/2"	34,99	1
0132 38P	white-chrome	3/8"	32,52	1
0132 12P	white-chrome	1/2"	32,52	1

Lockshield valve complete with nut, left-angled.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut


ART. 0121

ART. 0131


Code	Finish	size	€	box
0121 38P	chrome	3/8"	34,99	1
0121 12P	chrome	1/2"	34,99	1
0131 38P	white-chrome	3/8"	32,52	1
0131 12P	white-chrome	1/2"	32,52	1

Thermostatic valve, left-angled version.

- Iron pipe connection
- Glossy finish
- Handle in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0103



ART. 0113

Top
FAR



Code	Finish	size	€	box
0103 38P	chrome	3/8"	35,72	1
0103 12P	chrome	1/2"	35,72	1
0113 38P	white-chrome	3/8"	33,64	1
0113 12P	white-chrome	1/2"	33,64	1

Lockshield valve, right-angled version.

- Iron pipe connection
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0124



ART. 0134

Top
FAR



Code	Finish	size	€	box
0124 38P	chrome	3/8"	32,13	1
0124 12P	chrome	1/2"	32,13	1
0134 38P	white-chrome	3/8"	29,75	1
0134 12P	white-chrome	1/2"	29,75	1

Thermostatic valve, right-angled version.

- Iron pipe connection
- Glossy finish
- Handle in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0104



ART. 0114

Top
FAR



Code	Finish	size	€	box
0104 38P	chrome	3/8"	35,72	1
0104 12P	chrome	1/2"	35,72	1
0114 38P	white-chrome	3/8"	33,64	1
0114 12P	white-chrome	1/2"	33,64	1

Lockshield valve, left-angled version.

- Iron pipe connection
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0123



ART. 0133

Top
FAR



Code	Finish	size	€	box
0123 38P	chrome	3/8"	32,13	1
0123 12P	chrome	1/2"	32,13	1
0133 38P	white-chrome	3/8"	29,75	1
0133 12P	white-chrome	1/2"	29,75	1

Thermostatic angled valve complete with nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Handle in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut


ART. 0108

ART. 0109


Code	Finish	size	€	box
0108 38P	chrome	3/8"	35,04	1
0108 12P	chrome	1/2"	35,04	1
0109 38P	white-chrome	3/8"	33,03	1
0109 12P	white-chrome	1/2"	33,03	1

Thermostatic angled valve.

- Iron pipe connection
- Glossy finish
- Handle in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection


ART. 0148

ART. 0149


Code	Finish	size	€	box
0148 38P	chrome	3/8"	33,14	1
0148 12P	chrome	1/2"	33,14	1
0149 38P	white-chrome	3/8"	31,11	1
0149 12P	white-chrome	1/2"	31,11	1

Angled lockshield valve complete with nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut


ART. 0128

ART. 0129


Code	Finish	size	€	box
0128 38P	chrome	3/8"	31,93	1
0128 12P	chrome	1/2"	31,93	1
0129 38P	white-chrome	3/8"	29,66	1
0129 12P	white-chrome	1/2"	29,66	1

Angled lockshield valve.

- Iron pipe connection
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection


ART. 0168

ART. 0169


Code	Finish	size	€	box
0168 38P	chrome	3/8"	29,54	1
0168 12P	chrome	1/2"	29,54	1
0169 38P	white-chrome	3/8"	27,28	1
0169 12P	white-chrome	1/2"	27,28	1

Thermostatic angled SINGLE/DOUBLE PIPE valve.

- Connections: 3/4" EUROKONUS
- Glossy finish
- Handle in chrome-plated brass
- For radiators with 3/4" male connection
- Centre distance between ports: 50 mm
- EPDM flat faced gaskets
- Individual box with protection



Top
FAR



ART. 0261

Code	Finish	outlets	€	box
0261	chrome	3/4" EUROKONUS	67,49	1

Thermostatic straight SINGLE/DOUBLE PIPE valve.

- Connections: 3/4" EUROKONUS
- Glossy finish
- Handle in chrome-plated brass
- For radiators with 3/4" male connection
- Centre distance between ports: 50 mm
- EPDM flat faced gaskets
- Individual box with protection



Top
FAR



ART. 0266

Code	Finish	outlets	€	box
0266	chrome	3/4" EUROKONUS	63,17	1

Thermostatic angled SINGLE/DOUBLE PIPE valve.

- Connections: FAR 24 x 19
- Glossy finish
- Handle in chrome-plated brass
- For radiators with 3/4" male connection
- Centre distance between ports: 50 mm
- EPDM flat faced gaskets
- Individual box with protection
- Ø 16 mm nut



Top
FAR



ART. 0262

Code	Finish	outlets	€	box
0262	chrome	24 x 19	72,10	1

Thermostatic straight SINGLE/DOUBLE PIPE valve.

- Connections: FAR 24 x 19
- Glossy finish
- Handle in chrome-plated brass
- For radiators with 3/4" male connection
- Centre distance between ports: 50 mm
- EPDM flat faced gaskets
- Individual box with protection
- Ø 16 mm nut



Top
FAR



ART. 0267

Code	Finish	outlets	€	box
0267	chrome	24 x 19	66,11	1

Thermostatic angled SINGLE/DOUBLE PIPE valve.

- Connections: 3/4" EUROKONUS
- Glossy finish
- Handle in chrome-plated brass
- For radiators with 1/2" female connection
- Centre distance between ports: 50 mm
- Terminal provided with EPDM gasket
- Individual box with protection



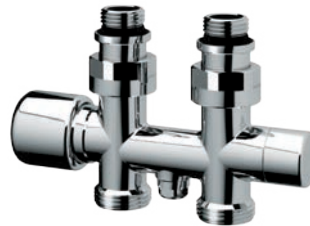
Top
FAR

ART. 0263

Code	Finish	outlets	€	box
0263	chrome	3/4" EUROKONUS	77,16	1

Thermostatic straight SINGLE/DOUBLE PIPE valve.

- Connections: 3/4" EUROKONUS
- Glossy finish
- Handle in chrome-plated brass
- For radiators with 1/2" female connection
- Centre distance between ports: 50 mm
- Terminal provided with EPDM gasket
- Individual box with protection



Top
FAR

ART. 0268

Code	Finish	outlets	€	box
0268	chrome	3/4" EUROKONUS	72,83	1

Thermostatic angled SINGLE/DOUBLE PIPE valve.

- Connections: FAR 24 x 19
- Glossy finish
- Handle in chrome-plated brass
- For radiators with 1/2" female connection
- Centre distance between ports: 50 mm
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



Top
FAR

ART. 0264

Code	Finish	outlets	€	box
0264	chrome	24 x 19	80,09	1

Thermostatic straight SINGLE/DOUBLE PIPE valve.

- Connections: FAR 24 x 19
- Glossy finish
- Handle in chrome-plated brass
- For radiators with 1/2" female connection
- Centre distance between ports: 50 mm
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



Top
FAR

ART. 0269

Code	Finish	outlets	€	box
0269	chrome	24 x 19	75,78	1

Chrome-plated thermostatic SINGLE/DOUBLE PIPE valve, right-angled version, complete with union and nut.

- interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Handle in chrome-plated brass
- 450 mm ø 10 mm metal probe
- Central connection on the heating body
- Centre distance between ports: 35 mm
- Individual box with protection
- Ø 16 mm nut



Top FAR 

ART. 0286

Code	Finish	probe	size	€	box
0286	chrome	Ø 10	1/2"	72,62	1

Chrome-plated thermostatic SINGLE/DOUBLE PIPE valve, left-angled version, complete with union and nut.

- interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Handle in chrome-plated brass
- 450 mm ø 10 mm metal probe
- Central connection on the heating body
- Centre distance between ports: 35 mm
- Individual box with protection
- Ø 16 mm nut

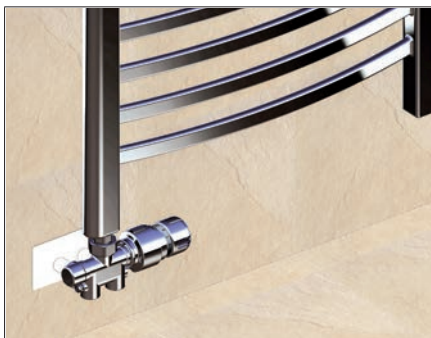


Top FAR 

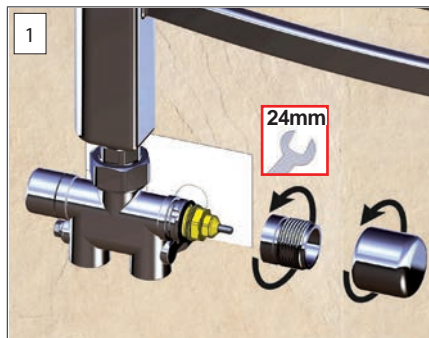
ART. 0288

Code	Finish	probe	size	€	box
0288	chrome	Ø 10	1/2"	72,62	1

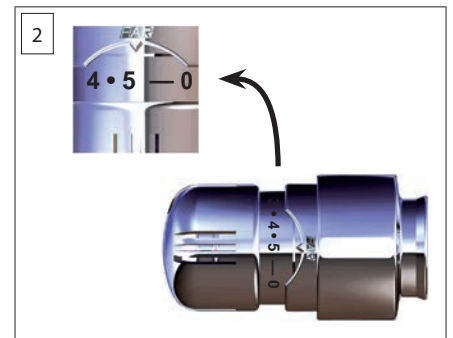
FUNCTION AND INSTALLATION OVERVIEWS



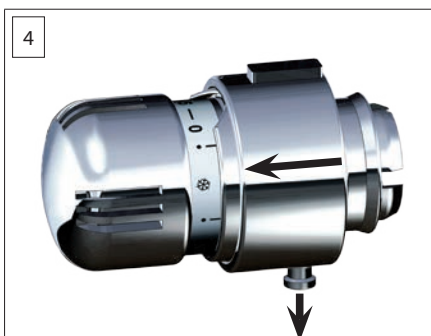
Installation overview of valve art. 0286 with thermostatic control art. 1827



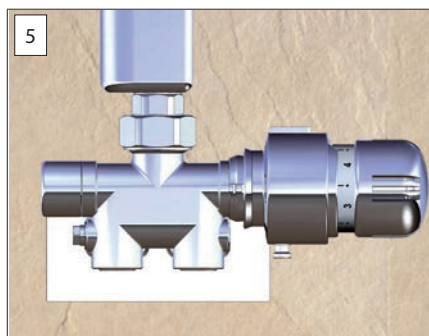
1 Unscrew the handle and the threaded support from the valve, using a 24mm wrench



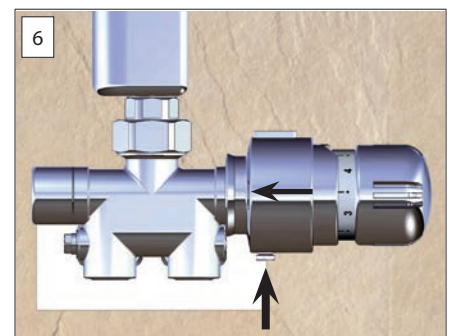
2 Set the thermostatic control on value 5



4 Pull the lock button down and push the ring towards the selector



5 Install the head on the valve control by matching the joints



6 Push the locking ring towards the valve and press the lock button

Thermostatic valve complete with nut, left-angled version.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Chrome-plated plastic handle
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



Code	size	€	box
0106 38P	3/8"	34,90	1
0106 12P	1/2"	34,90	1



ART. 0106

Lockshield valve complete with nut, right-angled version.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0127



Code	size	€	box
0127 38P	3/8"	34,27	1
0127 12P	1/2"	34,27	1

Thermostatic valve, left-angled version.

- Iron pipe connection
- Glossy finish
- Chrome-plated plastic handle
- Terminal provided with EPDM gasket
- Individual box with protection



Code	size	€	box
0146 38P	3/8"	31,87	1
0146 12P	1/2"	31,87	1



ART. 0146

Lockshield valve, right-angled version.

- Iron pipe connection
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0167



Code	size	€	box
0167 38P	3/8"	30,46	1
0167 12P	1/2"	30,46	1

Thermostatic valve complete with nut, right-angled version.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Chrome-plated plastic handle
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



Code	size	€	box
0107 38P	3/8"	34,90	1
0107 12P	1/2"	34,90	1



ART. 0107

Lockshield valve complete with nut, left-angled version.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0126



Code	size	€	box
0126 38P	3/8"	34,27	1
0126 12P	1/2"	34,27	1

Thermostatic valve, right-angled version.

- Iron pipe connection
- Glossy finish
- Chrome-plated plastic handle
- Terminal provided with EPDM gasket
- Individual box with protection



Code	size	€	box
0147 38P	3/8"	31,87	1
0147 12P	1/2"	31,87	1



ART. 0147

Lockshield valve, left-angled version.

- Iron pipe connection
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0166



Code	size	€	box
0166 38P	3/8"	30,46	1
0166 12P	1/2"	30,46	1

Thermostatic angled valve complete with nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Chrome-plated plastic handle
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0116



ART. 0117

Angled lockshield valve complete with nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0136



ART. 0137

Lady
FAR



Code	Finish	size	€	box
0116 38P	chrome	3/8"	31,02	1
0116 12P	chrome	1/2"	31,02	1
0117 38P	white-chrome	3/8"	29,00	1
0117 12P	white-chrome	1/2"	29,00	1

Lady
FAR



Code	Finish	size	€	box
0136 38P	chrome	3/8"	29,81	1
0136 12P	chrome	1/2"	29,81	1
0137 38P	white-chrome	3/8"	27,54	1
0137 12P	white-chrome	1/2"	27,54	1

Thermostatic angled valve.

- Iron pipe connection
- Glossy finish
- Chrome-plated plastic handle
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0118



ART. 0119

Angled lockshield valve.

- Iron pipe connection
- Glossy finish
- Handle in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0138



ART. 0139

Lady
FAR



Code	Finish	size	€	box
0118 38P	chrome	3/8"	29,32	1
0118 12P	chrome	1/2"	29,32	1
0119 38P	white-chrome	3/8"	27,30	1
0119 12P	white-chrome	1/2"	27,30	1

Lady
FAR



Code	Finish	size	€	box
0138 38P	chrome	3/8"	28,16	1
0138 12P	chrome	1/2"	28,16	1
0139 38P	white-chrome	3/8"	25,91	1
0139 12P	white-chrome	1/2"	25,91	1

Thermostatic straight valve complete with nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Chrome-plated plastic handle
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0185



ART. 0195



Code	Finish	size	€	box
0185 38P	chrome	3/8"	32,34	1
0185 12P	chrome	1/2"	32,34	1
0195 38P	white-chrome	3/8"	31,39	1
0195 12P	white-chrome	1/2"	31,39	1

Straight lockshield valve complete with nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0205



ART. 0215



Code	Finish	size	€	box
0205 38P	chrome	3/8"	31,83	1
0205 12P	chrome	1/2"	31,83	1
0215 38P	white-chrome	3/8"	32,36	1
0215 12P	white-chrome	1/2"	32,36	1

Thermostatic straight valve.

- Iron pipe connection
- Glossy finish
- Chrome-plated plastic handle
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0225



ART. 0235



Code	Finish	size	€	box
0225 12P	chrome	1/2"	29,15	1
0235 12P	white-chrome	1/2"	28,23	1

Straight lockshield valve.

- Iron pipe connection
- Glossy finish
- Cap in chrome-plated brass
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0245



ART. 0255



Code	Finish	size	€	box
0245 12P	chrome	1/2"	28,58	1
0255 12P	white-chrome	1/2"	29,10	1

Thermostatic SINGLE PIPE valve.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Chrome-plated plastic handle
- 450 mm ø 12 mm metal probe
- Centre distance between ports: 35 mm
- Individual box with protection
- Ø 16 mm nut



Lady
FAR



ART. 0265

Code	Finish	size	€	box
0265 12	chrome	1/2"	52,63	1
0265 34	chrome	3/4"	53,23	1

Chrome-plated thermostatic SINGLE/DOUBLE PIPE valve, right-angled version, complete with union and nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Chrome-plated plastic handle
- 450 mm ø 10 mm metal probe
- Central connection on the heating body
- Centre distance between ports: 35 mm
- Individual box with protection
- Ø 16 mm nut



Lady
FAR



ART. 0281

Code	Finish	size	€	box
0281	chrome	1/2"	69,37	1

Thermostatic DOUBLE PIPE valve.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Chrome-plated plastic handle
- 450 mm ø 12 mm metal probe
- Centre distance between ports: 35 mm
- Individual box with protection
- Ø 16 mm nut



Lady
FAR



ART. 0285

Code	Finish	size	€	box
0285 12	chrome	1/2"	52,54	1
0285 34	chrome	3/4"	53,14	1

Chrome-plated thermostatic SINGLE/DOUBLE PIPE valve, left-angled version, complete with union and nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Glossy finish
- Chrome-plated plastic handle
- 450 mm ø 10 mm metal probe
- Central connection on the heating body
- Centre distance between ports: 35 mm
- Individual box with protection
- Ø 16 mm nut



Lady
FAR



ART. 0282

Code	Finish	size	€	box
0282	chrome	1/2"	69,37	1

Thermostatic control head. Built-in sensor with liquid-filled element.

- Temperature range: 7°÷28° C.
- Provided with regulation scale numbered from 1 to 5, to set the desired temperature.
- Glossy finish


ART. 1827

Code	€	box	pack
1827	26,75	1	100

Manual control for TopFar valves.

- Glossy finish


ART. 0316

Code	€	box
0316	7,94	1

Threaded ring for manual control for TopFar valves.

- Glossy finish


ART. 0326

Code	€	box
0326	5,22	1

Nut for TopFar valves.

- Glossy finish


ART. 0336

Code	size	€	box
0336 16	Ø 16	4,21	1
0336 18	Ø 18	4,21	1
0336 20	Ø 20	4,21	1

Terminal for TopFar valves and lockshield valves.

- Glossy finish
- Complete with nut
- Terminal provided with EPDM gasket


ART. 0407

Code	size	€	box
0407 38	3/8"	6,79	1
0407 12	1/2"	6,79	1

Manual control for LadyFAR valves.

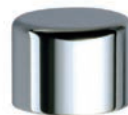
- Glossy finish
- Complete with handle and support


ART. 0315

Code	€	box
0315	2,34	1

Covering cap for LadyFAR lockshield valves.

- Glossy finish


ART. 0345

Code	€	box
0345	2,86	1

Terminal for LadyFAR valves and lockshield valves.

- Glossy finish
- Complete with nut
- Terminal provided with EPDM gasket


ART. 0406

Code	size	€	box
0406 38	3/8"	6,67	1
0406 12	1/2"	6,67	1

Angled automatic air vent valve.

- Glossy finish
- Float: PP
- Individual box with protection


ART. 0305

Code	Finish	size	€	box
0305 12	white-chrome	1/2"	21,94	1

Straight automatic air vent valve.

- Glossy finish
- Float: PP
- Individual box with protection


ART. 0306

Code	Finish	size	€	box
0306 12	white-chrome	1/2"	21,25	1

Chrome-plated adapter suitable for installation of electric actuators on thermostatic valves.

- M30x1,5 thread

ART. 1941

Code	€	box
1941	2,69	1

Nut for LadyFAR valves and lockshield valves with copper pipe connection.

- Glossy finish

**ART. 0335**

Code	size	€	box
0335 16	Ø 16	2,86	1
0335 18	Ø 18	2,86	1
0335 20	Ø 20	2,86	1

Covering cap for single/double pipe TopFar and LadyFAR valves.

- Glossy finish

ART. 0355

Code	€	box
0355	2,48	1

Nut for single/double pipe LadyFAR valves.

- Glossy finish

**ART. 0365**

Code	size	€	box
0365	1"	4,03	1

Nut for angled single/double pipe TopFar and LadyFAR valves.

- Glossy finish

ART. 0367

Code	size	€	box
0367	3/4"	3,06	1

Union for single/double pipe LadyFAR valves.

- Glossy finish

**ART. 0375**

Code	size	€	box
0375 12	1/2"	3,21	1
0375 34	3/4"	3,85	1

Union for angled single/double pipe TopFar and LadyFAR valves.

- Glossy finish

ART. 0377

Code	size	€	box
0377 12	1/2"	3,33	1

Nut for LadyFAR valves and lockshield valves.

- Glossy finish

**ART. 0395**

Code	size	€	box
0395	26x1,5	2,63	1

Terminal for TopFar and LadyFAR valves and lockshield valves.

- Glossy finish

ART. 0405

Code	size	€	box
0405 38	3/8"	3,29	1
0405 12	1/2"	3,29	1

Ring nut for LadyFAR air vent valves.

- Glossy finish

**ART. 0415**

Code	€	box
0415	3,65	1

Wall covering plate for TopFar and LadyFAR valves and lockshield valves.

- Glossy finish

ART. 0440

Code	size	€	box	pack
0440 12	Ø 12	1,49	150	600
0440 14	Ø 14	1,49	150	600
0440 16	Ø 16	1,49	150	600

Chrome-plated eccentric fitting for connection in case of heating body replacement, with variation of centre line between ports.

- Connections: FEMALE-MALE
- Glossy finish

**ART. 0445**

Code	centre line	size	€	box	pack
0445 112	cm. 1	1/2"x1/2"	7,66	25	250
0445 212	cm. 2	1/2"x1/2"	8,09	25	250

Kit for plastic pipes. Suitable for all our articles with 24x19 interchangeable connection.

Complete with:

- adapter for plastic pipe
- brass ring

NB. The ø16 nut is already provided with all products with copper connection.


ART. 6050

Code	pipe	Ø external diameter	€	box	pack
6050 48186	plastic	12x2,15	2,14	100	500
6050 4847	plastic	12x2	2,14	100	500
6050 48184	plastic	12x1,5	2,14	100	500
6050 6545	plastic	14x2	2,14	100	500
6050 4645	plastic	15x2,5	2,14	100	500
6050 4663	plastic	15x2	2,14	100	500
6050 46173	plastic	15x1,7	2,14	100	500
6050 5863	plastic	16x2,5	2,14	100	500
6050 58173	plastic	16x2,2	2,14	100	500
6050 5861	plastic	16x2	2,14	100	500
6050 58262	plastic	16x1,8	2,14	100	500
6050 5864	plastic	16x1,5	2,14	100	500

Kit for plastic pipes. Suitable for all our articles with 24x19 interchangeable connection.

Complete with :

- adapter for plastic pipe
- brass ring
- nut with 24x19 thread, high chrome finish


ART. 0425


Code	pipe	Ø external diameter	€	box	pack
0425 15043	plastic	17x2	4,84	50	500
0425 6043	plastic	17,8x2,4	4,84	50	500
0425 60180	plastic	17,8x3,6	4,84	50	500
0425 4443	plastic	18x2,5	4,84	50	500
0425 44221	plastic	18x2,2	4,84	50	500
0425 4468	plastic	18x2	4,84	50	500
0425 8043	plastic	20x3,5	4,84	50	500
0425 8068	plastic	20x3	4,84	50	500
0425 80185	plastic	20x2,8	4,84	50	500
0425 80222	plastic	20x2,3	4,84	50	500
0425 8069	plastic	20x2,15	4,84	50	500
0425 80214	plastic	20x2	4,84	50	500
0425 80261	plastic	20x1,9	4,84	50	500

Kit for MULTILAYER pipes. Suitable for all our articles with 24x19 interchangeable connection.

Complete with:

- adapter for multilayer pipe
- brass ring

NB. The ø16 nut is already provided with all products with copper connection.



ART. 6053

Code	pipe	Ø external diameter	€	box
6053 65193	multilayer	14x2	2,39	100
6053 58190	multilayer	16x2	2,39	100
6053 58200	multilayer	16x2,25	2,39	100
6053 58278	multilayer	16,2x2,6	2,39	100

Kit for MULTILAYER pipes. Suitable for TOP line products.

Complete with :

- adapter for multilayer pipe
- brass ring
- nut with 24x19 thread, high chrome finish



ART. 0436



Top
FAR

Code	pipe	Ø external diameter	€	box
0436 150810	multilayer	17x2	6,14	50
0436 44191	multilayer	18x2	6,14	50
0436 80204	multilayer	20x2	6,14	50
0436 80192	multilayer	20x2,25	6,14	50
0436 80201	multilayer	20x2,5	6,14	50

Kit for MULTILAYER pipes. Suitable for all our articles with 24x19 interchangeable connection.

Complete with:

- adapter for multilayer pipe
- brass ring
- nut with 24x19 thread, high chrome finish



ART. 0435



Code	pipe	Ø external diameter	€	box
0435 150810	multilayer	17x2	5,27	50
0435 44191	multilayer	18x2	5,27	50
0435 80204	multilayer	20x2	5,27	50
0435 80192	multilayer	20x2,25	5,27	50
0435 80201	multilayer	20x2,5	5,27	50

Sealing compression KIT in rubber for copper pipe.

Complete with:

- brass pipe guide washer
- rubber compression single-taper
- brass ring

NB. The ø16 nut is already provided with all products with copper connection.



ART. 8430

Code	pipe	size	€	box
8430 10	copper	Ø 10	0,98	500
8430 12	copper	Ø 12	0,98	500
8430 14	copper	Ø 14	0,98	500

Sealing compression KIT in rubber for copper pipe.

Complete with:

- rubber compression single-taper
- brass ring

NB. The ø16 nut is already provided with all products with copper connection.



ART. 8431

Code	pipe	size	€	box
8431 15	copper	Ø 15	0,82	500
8431 16	copper	Ø 16	0,82	500

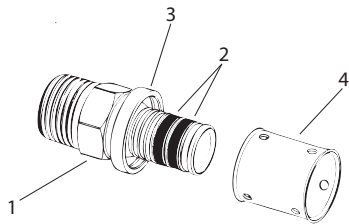


09

PRESSFAR fittings and accessories

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Patented press fitting system for multilayer pipes, designed and manufactured by FAR Rubinetterie S.p.A.



PRESSFAR fitting comprises:

1	Fitting body
2	Double seal ring with rectangular section
3	Plastic ring
4	Reversible steel bush

ATTENTION: prior to installation please check that the multilayer pipe being used is the same size as that indicated on the fitting.



1
Cut the pipe perpendicular to its axis with suitable shears.



2
Calibrate the pipe to make position of the fitting easier.



3
Insert the fitting, checking the position of the pipe through the holes in the bush.



4
Press the fitting.

ATTENTION: Do NOT use grease to oil the fitting!

The PRESSFAR fitting has been designed for pressing with three different profiles:



H PROFILE JAW



TH PROFILE JAW



U PROFILE JAW

The jaws must be positioned as follows: on the TH jaw the plastic ring, which supports the steel bush, has to be placed in the matching seat, while the H and U jaws have to be placed on the steel bush, so that one side of the jaw is adjacent to the plastic ring.

FAR guarantees perfect compatibility between all fittings in the range and the three types of press profiles.

PRESSFAR fitting can be pressed with electrical press machines, or battery-powered pressing tools with jaws or inserts with TH, U, H profiles. The press machine must be in appropriate condition, i.e. in full working order and checked against to the manufacturer's specification as being capable of the right type of pressing. PRESSFAR fittings are suitable for use in heating and domestic systems.

To make easier the identification of press fitting sizes, the ring colour has been differentiated:

GREY RING	14x2 - 16x2 - 18x2 - 20x2 - 26x3 - 32x3 - 40x4 - 50x4
WHITE RING	16x2,25 - 20x2,25
GREEN RING	20x2,5 - 25x2,5 - 40x3,5 - 50x4,5 - 63x4,5

TECHNICAL FEATURES

Body of press fittings:	CW617N brass
Body of bar fittings:	CW617N brass
O-ring:	EPDM70P
Ring:	PPR
Bush:	AISI304 steel
Surface treatment of fittings:	T.E.A.®
Nominal pressure:	16bar
Max working temperature:	95°C
Compatible media:	water (with and without glycol) and air
N.B: the maximum temperature and pressure depend on pipe characteristics	

Male fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel


ART. 5900

Code	size	Ø pipe	€	box	pack
59001401	1/2"	14x2	5,35	25	250
59001601	1/2"	16x2	4,29	25	250
59001602	1/2"	16x2,25	4,43	25	250
59001801	1/2"	18x2	5,18	25	250
59001802	3/4"	18x2	6,24	25	250
59002001	1/2"	20x2	5,47	25	250
59002002	3/4"	20x2	7,24	25	250
59002003	1/2"	20x2,25	5,67	25	250
59002004	3/4"	20x2,25	7,48	25	250
59002005	1/2"	20x2,5	6,02	25	250

Code	size	Ø pipe	€	box	pack
59002006	3/4"	20x2,5	8,01	25	250
59002501	3/4"	25x2,5	10,56	20	200
59002502	1"	25x2,5	14,45	10	100
59002601	3/4"	26x3	10,75	20	200
59002602	1"	26x3	14,70	10	100
59003201	1"	32x3	15,06	10	100
59003202	1 1/4"	32x3	21,04	10	100
59003203	3/4"	32x3	12,44	10	100
59004001	1"	40x3,5	21,38	10	100
59004002	1 1/4"	40x3,5	26,91	10	100
59004003	1"	40x4	21,38	10	100
59004004	1 1/4"	40x4	26,91	10	100
59005001	1 1/4"	50x4	30,04	5	50
59005002	1 1/4"	50x4,5	30,04	5	50
59005003	1 1/2"	50x4	44,48	5	50
59005004	1 1/2"	50x4,5	44,48	5	50
59006301	2"	63x4,5	65,25	4	40

Female fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel


ART. 5901

Code	size	Ø pipe	€	box	pack
59011401	1/2"	14x2	6,02	25	250
59011601	1/2"	16x2	5,60	25	250
59011602	1/2"	16x2,25	5,81	25	250
59011801	1/2"	18x2	6,59	25	250
59011802	3/4"	18x2	8,15	25	250
59012001	1/2"	20x2	7,03	25	250
59012002	3/4"	20x2	8,49	25	250
59012003	1/2"	20x2,25	7,30	25	250
59012004	3/4"	20x2,25	8,78	25	250
59012005	1/2"	20x2,5	7,79	25	250

Code	size	Ø pipe	€	box	pack
59012006	3/4"	20x2,5	9,33	25	250
59012501	3/4"	25x2,5	13,00	20	200
59012502	1"	25x2,5	15,89	10	100
59012601	3/4"	26x3	13,27	20	200
59012602	1"	26x3	16,17	10	100
59013201	1"	32x3	16,63	10	100
59013202	1 1/4"	32x3	22,62	10	100
59014001	1"	40x3,5	22,34	10	100
59014002	1 1/4"	40x3,5	31,35	10	100
59014003	1"	40x4	22,34	10	100
59014004	1 1/4"	40x4	31,35	10	100
59015001	1 1/4"	50x4	34,34	5	50
59015002	1 1/4"	50x4,5	34,34	5	50
59015003	1 1/2"	50x4	47,89	5	50
59015004	1 1/2"	50x4,5	47,89	5	50
59016301	2"	63x4,5	67,19	4	40

Double fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel



ART. 5902

Code	Ø pipe	€	box	pack
59021401	14x2	6,13	25	250
59021601	16x2	5,79	25	250
59021602	16x2,25	5,90	25	250
59021701	17x2	5,99	25	250
59021801	18x2	6,12	25	250
59022001	20x2	7,17	25	250

Code	Ø pipe	€	box	pack
59022002	20x2,25	7,43	25	250
59022003	20x2,5	7,95	25	250
59022501	25x2,5	12,12	20	200
59022601	26x3	12,35	20	200
59023201	32x3	16,04	10	100
59024001	40x3,5	26,32	5	50
59024002	40x4	26,32	5	50
59025001	50x4	42,56	5	50
59025002	50x4,5	42,56	5	50
59026301	63x4,5	82,11	3	30

Double fitting, reduced version.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel



ART. 5903

Code	Ø pipe	€	box	pack
59031801	18x2 - 16x2	6,96	25	250
59032001	20x2 - 16x2	7,06	25	250
59032002	20x2 - 18x2	7,13	25	250
59032003	20x2,5 - 16x2	7,06	25	250
59032004	20x2,5 - 18x2	7,69	25	250
59032005	20x2,5 - 16x2,25	7,06	25	250
59032006	20x2,25 - 16x2	7,12	25	250
59032007	20x2,25 - 18x2	7,17	25	250
59032008	20x2 - 20x2,5	7,77	25	250
59032009	20x2,25 - 20x2,5	7,85	25	250
59032010	20x2 - 14x2	7,06	25	250
59032011	20x2 - 20x2,25	7,26	25	250
59032501	25x2,5 - 16x2	10,77	20	200
59032502	25x2,5 - 18x2	10,85	20	200
59032503	25x2,5 - 20x2	10,96	20	200
59032504	25x2,5 - 20x2,5	11,03	20	200

Code	Ø pipe	€	box	pack
59032505	25x2,5 - 20x2,25	11,00	20	200
59032601	26x3 - 16x2	10,85	20	200
59032602	26x3 - 18x2	10,94	20	200
59032603	26x3 - 20x2	11,03	20	200
59032604	26x3 - 20x2,5	11,16	20	200
59032605	26x3 - 20x2,25	11,11	20	200
59032606	26x3 - 25x2,5	12,35	10	100
59033201	32x3 - 16x2	13,99	10	100
59033202	32x3 - 18x2	14,09	10	100
59033203	32x3 - 20x2	14,12	10	100
59033204	32x3 - 20x2,5	14,12	10	100
59033205	32x3 - 25x2,5	15,37	10	100
59033206	32x3 - 26x3	15,68	10	100
59033207	32x3 - 20x2,25	14,17	20	200
59034001	40x3,5 - 25x2,5	25,38	10	100
59034002	40x3,5 - 26x3	25,45	10	100
59034003	40x3,5 - 32x3	25,77	10	100
59035001	50x4 - 32x3	40,67	5	50
59035002	50x4 - 40x3,5	41,61	5	50
59036301	63x4,5 - 32x3	62,15	4	40
59036302	63x4,5 - 40x3,5	64,73	4	40
59036303	63x4,5 - 50x4	67,87	3	30

Male elbow.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel

ART. 5904

Code	size	Ø pipe	€	box	pack
59041401	1/2"	14x2	6,95	25	250
59041601	1/2"	16x2	6,31	25	250
59041602	1/2"	16x2,25	6,54	25	250
59041801	1/2"	18x2	6,78	25	250
59041802	3/4"	18x2	9,02	25	250
59042001	1/2"	20x2	7,20	25	250
59042002	3/4"	20x2	9,32	25	250
59042003	1/2"	20x2,25	7,46	25	250
59042004	3/4"	20x2,25	9,65	25	250



Code	size	Ø pipe	€	box	pack
59042005	1/2"	20x2,5	7,98	25	250
59042006	3/4"	20x2,5	10,28	25	250
59042501	3/4"	25x2,5	10,65	20	200
59042502	1"	25x2,5	15,88	10	100
59042601	3/4"	26x3	10,88	10	200
59042602	1"	26x3	16,18	10	100
59043201	1"	32x3	19,51	10	100
59043202	1 1/4"	32x3	25,04	5	50
59043203	3/4"	32x3	13,12	10	50
59044001	1 1/4"	40x3,5	26,96	5	50
59044002	1 1/4"	40x4	26,96	5	50
59045001	1 1/2"	50x4	45,03	5	40
59045002	1 1/2"	50x4,5	45,03	5	40
59046301	2"	63x4,5	69,81	2	20

Female elbow.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel

ART. 5905

Code	size	Ø pipe	€	box	pack
59051401	1/2"	14x2	7,20	25	250
59051601	1/2"	16x2	6,54	25	250
59051602	1/2"	16x2,25	6,75	25	250
59051801	1/2"	18x2	6,88	25	250
59051802	3/4"	18x2	10,31	25	250
59052001	1/2"	20x2	7,16	25	250
59052002	3/4"	20x2	10,73	25	250
59052003	1/2"	20x2,25	7,40	25	250
59052004	3/4"	20x2,25	11,42	25	250



Code	size	Ø pipe	€	box	pack
59052005	1/2"	20x2,5	7,89	25	250
59052006	3/4"	20x2,5	11,84	25	250
59052501	3/4"	25x2,5	13,06	10	100
59052502	1"	25x2,5	16,46	10	100
59052601	3/4"	26x3	13,40	10	100
59052602	1"	26x3	16,83	10	100
59053201	1"	32x3	19,44	10	100
59053202	1 1/4"	32x3	26,77	5	50
59053203	3/4"	32x3	15,47	5	50
59054001	1 1/4"	40x3,5	28,85	5	50
59054002	1 1/4"	40x4	28,85	5	50
59055001	1 1/2"	50x4	45,37	5	40
59055002	1 1/2"	50x4,5	45,37	5	40
59056301	2"	63x4,5	73,84	2	20

Double 90° elbow.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel

ART. 5906

Code	Ø pipe	€	box	pack
59061401	14x2	7,56	25	250
59061601	16x2	6,78	25	250
59061602	16x2,25	7,03	25	250
59061801	18x2	8,24	25	250
59062001	20x2	9,06	25	250



Code	Ø pipe	€	box	pack
59062002	20x2,25	9,39	25	250
59062003	20x2,5	10,03	25	250
59062501	25x2,5	13,55	10	100
59062601	26x3	14,11	10	100
59063201	32x3	17,63	10	80
59064001	40x3,5	29,95	5	50
59064002	40x4	29,95	5	50
59065001	50x4	52,07	4	40
59065002	50x4,5	52,07	4	40
59066301	63x4,5	97,21	2	20

Double 45° elbow.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel

ART. 5907

Code	Ø pipe	€	box	pack
59072501	25x2,5	14,76	10	100
59072601	26x3	15,37	10	100



Code	Ø pipe	€	box	pack
59073201	32x3	19,21	10	100
59074001	40x3,5	35,00	5	50
59074002	40x4	35,00	5	50
59075001	50x4	56,75	4	40
59075002	50x4,5	56,75	4	40
59076301	63x4,5	105,96	2	-

"T" fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel



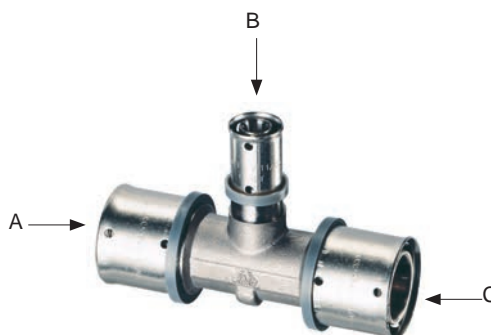
ART. 5908

Code	Ø pipe			€	box pack	
59081401	14x2	14x2	14x2	10,39	20	200
59081601	16x2	16x2	16x2	8,99	20	200
59081602	16x2,25	16x2,25	16x2,25	9,29	20	200
59081801	18x2	18x2	18x2	10,64	20	200
59082001	20x2	20x2	20x2	10,92	20	160
59082002	20x2,25	20x2,25	20x2,25	11,33	20	160

Code	Ø pipe			€	box pack	
59082003	20x2,5	20x2,5	20x2,5	12,01	20	160
59082501	25x2,5	25x2,5	25x2,5	17,50	10	100
59082601	26x3	26x3	26x3	17,73	10	100
59083201	32x3	32x3	32x3	26,31	5	50
59084001	40x3,5	40x3,5	40x3,5	37,41	3	30
59084002	40x4	40x4	40x4	37,41	3	30
59085001	50x4	50x4	50x4	76,28	2	20
59085002	50x4,5	50x4,5	50x4,5	76,28	2	20
59086301	63x4,5	63x4,5	63x4,5	135,52	1	10

"T" fitting, with CENTRAL reduction.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel



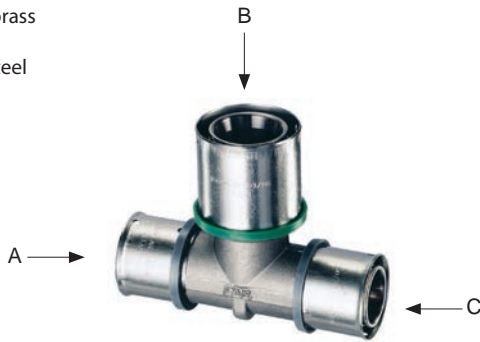
ART. 5909

Code	Ø pipe			€	box pack	
	A	B	C			
59091601	16x2	14x2	16x2	9,46	20	200
59091801	18x2	16x2	18x2	13,32	20	200
59092001	20x2	16x2	20x2	13,56	20	160
59092002	20x2	18x2	20x2	13,65	20	160
59092003	20x2,5	16x2	20x2,5	13,56	20	160
59092004	20x2,5	18x2	20x2,5	13,65	20	160
59092005	20x2,5	16x2,25	20x2,5	13,56	20	160
59092006	20x2,25	16x2	20x2,25	13,56	20	160
59092007	20x2,25	18x2	20x2,25	13,65	20	160
59092008	20x2	14x2	20x2	13,56	20	160
59092501	25x2,5	16x2	25x2,5	23,06	10	100
59092502	25x2,5	18x2	25x2,5	23,14	10	100
59092503	25x2,5	20x2	25x2,5	23,25	10	100
59092504	25x2,5	20x2,5	25x2,5	23,25	10	100
59092505	25x2,5	20x2,25	25x2,5	23,25	10	100
59092601	26x3	16x2	26x3	23,24	10	100
59092602	26x3	18x2	26x3	23,32	10	100
59092603	26x3	20x2	26x3	23,44	10	100
59092604	26x3	20x2,5	26x3	23,44	10	100

Code	Ø pipe			€	box pack	
	A	B	C			
59092605	26x3	20x2,25	26x3	23,44	10	100
59092606	26x3	16x2,25	26x3	23,24	10	100
59093201	32x3	16x2	32x3	27,70	10	100
59093202	32x3	18x2	32x3	27,80	10	80
59093203	32x3	20x2	32x3	27,90	10	80
59093204	32x3	20x2,5	32x3	27,90	10	80
59093205	32x3	20x2,25	32x3	27,90	10	80
59093206	32x3	25x2,5	32x3	29,72	10	80
59093207	32x3	26x3	32x3	29,80	10	80
59094001	40x3,5	32x3	40x3,5	48,35	3	30
59094002	40x4	32x3	40x4	48,35	3	30
59094003	40x3,5	26x3	40x3,5	46,63	3	30
59094004	40x4	25x2,5	40x4	46,27	3	30
59095001	50x4	26x3	50x4	60,73	2	20
59095002	50x4	32x3	50x4	60,94	2	20
59095003	50x4	40x3,5	50x4	73,78	2	20
59095004	50x4,5	25x2,5	50x4,5	60,67	2	20
59095005	50x4,5	32x3	50x4,5	60,94	2	20
59095006	50x4,5	40x4	50x4,5	73,78	2	20

"T" fitting, with SIDE reduction.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel


ART. 5910

Ø pipe

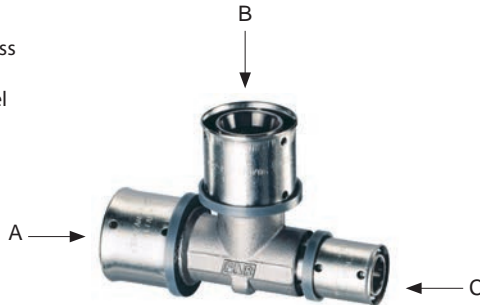
Code	A	B	C	€	box	pack
59101601	16x2	20x2	16x2	13,35	20	160
59101602	16x2	20x2,25	16x2	13,35	20	160
59101603	16x2	20x2,5	16x2	13,35	20	160
59101604	16x2,25	20x2	16x2,25	13,35	20	160
59101605	16x2,25	20x2,25	16x2,25	13,35	20	160

Ø pipe

Code	A	B	C	€	box	pack
59101606	16x2,25	20x2,5	16x2,25	13,35	20	160
59101607	16x2	26x3	16x2	18,37	20	160
59101608	16x2	25x2,5	16x2	18,35	20	160
59101801	18x2	25x2,5	18x2	18,44	20	160
59101802	18x2	26x3	18x2	18,54	20	160
59102001	20x2	26x3	20x2	21,47	10	100
59102002	20x2,25	26x3	20x2,25	21,47	10	100
59102003	20x2,5	26x3	20x2,5	21,47	10	100
59102004	20x2,25	25x2,5	20x2,25	21,38	10	100
59102501	25x2,5	32x3	25x2,5	29,21	10	80
59102601	26x3	32x3	26x3	29,30	10	80
59103201	32x3	40x3,5	32x3	45,36	5	40
59103202	32x3	40x4	32x3	45,36	5	40

REDUCED "T" fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel


ART. 5911

Ø pipe

Code	A	B	C	€	box	pack
59111801	18x2	16x2	16x2	13,32	20	200
59111802	18x2	18x2	16x2	13,32	20	200
59112001	20x2	16x2	16x2	13,35	20	160
59112002	20x2	18x2	18x2	13,54	20	160
59112003	20x2	20x2	16x2	13,56	20	160
59112004	20x2,5	16x2	16x2	13,35	20	160
59112005	20x2,5	18x2	18x2	13,54	20	160
59112006	20x2,5	20x2,5	16x2	13,56	20	160
59112007	20x2,5	16x2,25	16x2,25	13,35	20	160
59112008	20x2,25	16x2	16x2	13,35	20	160
59112009	20x2,25	18x2	18x2	13,54	20	160
59112010	20x2,25	20x2,25	16x2	13,56	20	160
59112011	20x2,25	20x2,25	18x2	13,65	20	160
59112012	20x2	26x3	16x2	21,27	10	100
59112013	20x2,5	20x2,5	16x2,25	13,56	20	160
59112014	20x2	20x2	18x2	13,65	20	160
59112015	20x2,5	20x2,5	18x2	13,65	20	160
59112501	25x2,5	20x2	20x2	21,38	10	100
59112502	25x2,5	20x2,5	20x2,5	21,38	10	100
59112503	25x2,5	25x2,5	20x2	23,25	10	100
59112504	25x2,5	25x2,5	20x2,5	23,25	10	100
59112505	25x2,5	16x2	16x2	18,35	10	100
59112506	25x2,5	18x2	18x2	18,44	10	100
59112507	25x2,5	20x2,25	20x2,25	21,38	10	100

Ø pipe

Code	A	B	C	€	box	pack
59112601	26x3	20x2	20x2	21,47	10	100
59112602	26x3	20x2,5	20x2,5	21,47	10	100
59112603	26x3	26x3	20x2	23,44	10	100
59112604	26x3	26x3	20x2,5	23,44	10	100
59112605	26x3	16x2	16x2	18,37	10	100
59112606	26x3	18x2	18x2	18,54	10	100
59112607	26x3	16x2	20x2	21,27	10	100
59112608	26x3	20x2	16x2	21,27	10	100
59112609	26x3	26x3	16x2	23,24	10	100
59112610	26x3	26x3	18x2	23,32	10	100
59112611	26x3	20x2,5	16x2	21,27	10	100
59112612	26x3	16x2	20x2,5	21,27	10	100
59113201	32x3	25x2,5	25x2,5	29,21	10	80
59113202	32x3	26x3	26x3	29,30	10	80
59113203	32x3	32x3	20x2	27,90	10	80
59113204	32x3	32x3	20x2,5	27,90	10	80
59113205	32x3	32x3	25x2,5	29,72	5	50
59113206	32x3	32x3	26x3	29,80	5	50
59113207	32x3	20x2	26x3	27,66	10	100
59113208	32x3	20x2,5	20x2,5	26,65	10	80
59113209	32x3	32x3	20x2,25	27,90	10	80
59113210	32x3	20x2	20x2	26,65	10	80
59113211	32x3	20x2,25	20x2,25	26,65	10	80
59114001	40x3,5	32x3	32x3	45,36	3	30
59114002	40x4	32x3	32x3	45,36	3	30
59115001	50x4	40x3,5	40x3,5	71,71	2	20
59115002	50x4	32x3	40x3,5	58,87	2	20
59115003	50x4	26x3	40x3,5	58,67	2	20
59115004	50x4,5	40x4	40x4	71,71	2	20
59115005	50x4,5	32x3	40x4	58,87	2	20
59115006	50x4,5	26x3	40x4	58,67	2	20

Female "T" fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel



ART. 5912

Code	size	Ø pipe	€	box	pack
59121601	1/2"	16x2	9,47	20	200
59121602	1/2"	16x2,25	9,74	20	200
59121801	1/2"	18x2	10,03	20	200
59121802	3/4"	18x2	15,03	10	100
59122001	1/2"	20x2	10,46	20	200
59122002	3/4"	20x2	15,23	10	100
59122003	1/2"	20x2,25	10,81	20	200
59122004	3/4"	20x2,25	15,78	10	100
59122005	1/2"	20x2,5	11,50	20	200
59122006	3/4"	20x2,5	16,79	10	100

Code	size	Ø pipe	€	box	pack
59122501	3/4"	25x2,5	17,02	10	100
59122502	1"	25x2,5	21,67	10	100
59122601	3/4"	26x3	17,72	10	100
59122602	1"	26x3	22,55	10	100
59123201	1"	32x3	26,20	10	80
59123202	1"1/4	32x3	36,73	5	50
59124001	1"1/4	40x3,5	40,42	5	50
59124002	1"1/4	40x4	40,42	5	50
59125001	1"1/2	50x4	57,92	4	40
59125002	1"1/2	50x4,5	57,92	4	40
59126301	3/4"	63x4,5	85,92	1	10
59126302	1"	63x4,5	85,92	1	10
59126303	1"1/4	63x4,5	101,46	1	10
59126304	1"1/2	63x4,5	106,80	1	10
59126305	2"	63x4,5	112,42	1	10

Male "T" fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel



ART. 5913

Code	size	Ø pipe	€	box	pack
59131601	1/2"	16x2	10,37	20	200
59131602	1/2"	16x2,25	10,70	20	200
59131801	1/2"	18x2	11,03	20	200
59131802	3/4"	18x2	14,05	10	100
59132001	1/2"	20x2	11,54	20	200
59132002	3/4"	20x2	14,88	10	100
59132003	1/2"	20x2,25	11,94	20	200
59132004	3/4"	20x2,25	15,40	10	100

Code	size	Ø pipe	€	box	pack
59132005	1/2"	20x2,5	12,70	20	200
59132006	3/4"	20x2,5	16,37	10	100
59132501	3/4"	25x2,5	19,20	10	100
59132502	1"	25x2,5	25,69	10	100
59132601	3/4"	26x3	19,62	10	100
59132602	1"	26x3	26,28	10	100
59133201	1"	32x3	27,43	10	80
59133202	1"1/4	32x3	37,12	5	50
59134001	1"1/4	40x3,5	40,82	5	50
59134002	1"1/4	40x4	40,82	5	50
59135001	1"1/2	50x4	58,64	2	20
59135002	1"1/2	50x4,5	58,64	2	20

Female wall connection.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel

ART. 5914

Code	size	Ø pipe	€	box	pack
59141601	1/2"	16x2	8,97	20	200
59141602	1/2"	16x2,25	9,40	20	200
59141801	1/2"	18x2	9,53	20	200
59141802	3/4"	18x2	11,40	10	100
59142001	1/2"	20x2	9,93	10	100
59142002	3/4"	20x2	12,11	10	100
59142003	1/2"	20x2,25	10,28	10	100
59142004	3/4"	20x2,25	12,50	10	100
59142005	1/2"	20x2,5	10,92	10	100
59142006	3/4"	20x2,5	13,30	10	100
59142501	3/4"	25x2,5	14,85	10	100
59142601	3/4"	26x3	15,34	10	100



Wall connection for freestanding sanitaryware.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel



ART. 5927

Code	size	Ø pipe	€	box	pack
59271601	1/2"	16x2	8,97	20	200
59271602	1/2"	16x2,25	9,40	20	200
59271801	1/2"	18x2	9,53	20	200
59272001	1/2"	20x2	9,93	10	100
59272002	1/2"	20x2,25	10,21	10	100
59272003	1/2"	20x2,5	10,28	10	100

Fitting with flat faced connection.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel
- Nut



Flat faced connection →

Elbow with flat faced connection.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel
- Nut



← Flat faced connection

ART. 5919

Code	nut size	Ø pipe	€	box	pack
59191601	1/2"	16x2	4,85	25	250
59191602	1/2"	16x2,25	5,10	25	250
59191603	3/4"	16x2	5,80	25	250
59191604	3/4"	16x2,25	6,11	25	250
59191801	1/2"	18x2	4,93	25	250
59191802	3/4"	18x2	5,91	25	250
59192001	1/2"	20x2	5,01	25	250
59192002	1/2"	20x2,25	5,19	25	250
59192003	1/2"	20x2,5	5,51	25	250
59192004	3/4"	20x2	6,00	25	250
59192005	3/4"	20x2,25	6,20	25	250
59192006	3/4"	20x2,5	6,59	25	250
59192501	1"	25x2,5	11,32	20	200
59192502	3/4"	25x2,5	7,40	20	200
59192601	1"	26x3	11,47	20	200
59192602	3/4"	26x3	7,55	20	200
59193201	1"	32x3	11,89	20	160
59194001	1"	40x3,5	14,58	20	160
59194002	1"1/4	40x4	22,03	20	160
59195002	1"1/2	50x4,5	34,15	20	160
59196301	2"	63x4,5	73,53	20	160
59196302	2"	63x6	73,53	20	160

ART. 5922

Code	nut size	Ø pipe	€	box	pack
59221601	1/2"	16x2	7,25	25	250
59221602	3/4"	16x2	7,50	25	250
59221801	1/2"	18x2	7,33	25	250
59221802	3/4"	18x2	7,63	25	250
59222001	1/2"	20x2	7,45	25	250
59222002	3/4"	20x2	7,76	25	250
59222003	3/4"	20x2,5	7,80	25	250
59222004	1/2"	20x2,5	7,42	25	250
59222501	3/4"	25x2,5	10,85	20	160
59222502	1"	25x2,5	11,86	20	160
59222601	3/4"	26x3	11,00	20	160
59222602	1"	26x3	12,01	20	160

Fitting with FAR 24x19 connection.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel
- Nut



← FAR 24x19 connection



ART. 5915

Code	size	Ø pipe	€	box	pack
59151601	24x19	16x2	5,89	25	250
59152001	24x19	20x2	6,03	25	250

Fitting with M33x1,5 connection.

- For art. (3827 - 3910 - 3920 - 3927 - 3457 - 3458 - 3459)
- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel
- Nut



M33x1,5 connection →

ART. 5918

Code	size	Ø pipe	€	box	pack
59182001	33x1,5	20x2	10,33	25	250
59182501	33x1,5	25x2,5	11,62	20	200
59182601	33x1,5	26x3	11,62	20	200

120° through connection for bracket, art. 7477.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel



ART. 5916

Code	size	Ø pipe	€	box	pack
59161601	1/2"	16x2	15,64	10	100
59161602	1/2"	16x2,25	16,23	10	100
59161801	1/2"	18x2	16,56	10	100
59162001	1/2"	20x2	17,02	10	100
59162002	1/2"	20x2,25	17,35	10	100
59162003	1/2"	20x2,5	18,17	10	100

Terminal connection for bracket, art. 7477.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel



ART. 5917

Code	size	Ø pipe	€	box	pack
59171601	1/2"	16x2	10,81	10	100
59171602	1/2"	16x2,25	11,14	10	100
59171801	1/2"	18x2	11,32	10	100
59172001	1/2"	20x2	11,54	10	100
59172002	1/2"	20x2,25	11,72	10	100
59172003	1/2"	20x2,5	12,17	10	100

Straight through connection for bracket, art. 7477.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel



ART. 5925

Code	size	Ø pipe	€	box	pack
59251601	1/2"	16x2	17,54	10	100
59251801	1/2"	18x2	17,84	10	100
59252001	1/2"	20x2	17,89	10	100
59252003	1/2"	20x2,5	19,08	10	100

Brass elbow for connection to wall-mounted flush cisterns.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel
- Locking threaded ring
- Press-connection for multilayer pipes

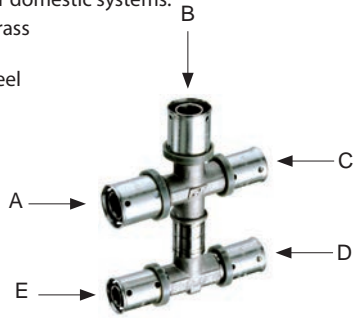


ART. 5928

Code	size	Ø pipe	€	box	pack
59281601	1/2"	16x2	11,38	10	100
59281602	1/2"	16x2,25	11,91	10	100

5-way distribution fitting for domestic systems.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel

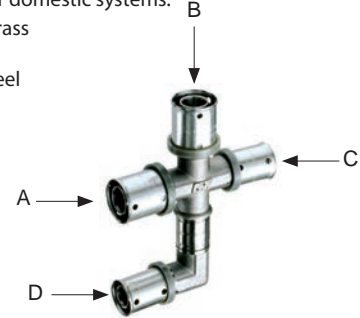

ART. 5923

Ø tubo

Codice	A	B	C	D	E	€	conf	pacco
59232001	20x2,5	20x2,5	16x2	16x2	16x2	20,48	10	160
59232002	20x2	20x2	16x2	16x2	16x2	20,48	10	160
59232003	20x2,25	20x2,25	16x2,25	16x2,25	16x2,25	20,48	10	160
59232601	20x2,5	26x3	16x2	16x2	16x2	23,85	10	160
59232602	20x2	26x3	16x2	16x2	16x2	23,85	10	160

4-way distribution fitting for domestic systems.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel


ART. 5924

Ø tubo

Codice	A	B	C	D	€	conf	pacco
59242001	20x2,5	20x2,5	16x2	16x2	17,99	10	160
59242002	20x2	20x2	16x2	16x2	17,99	10	160
59242003	20x2,25	20x2,25	16x2,25	16x2,25	17,99	10	160
59242601	20x2,5	26x3	16x2	16x2	22,91	10	160
59242602	20x2	26x3	16x2	16x2	22,91	10	160

Elbow for radiator connection complete with chrome-plated pipe.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel


ART. 5920

Code	Ø multilayer pipe	Ø copper pipe	copper pipe length	€	box	pack
5920140124	14x2	15	cm. 24	13,63	10	80
5920160124	16x2	15	cm. 24	13,77	10	80
5920160224	16x2,25	15	cm. 24	14,26	10	80
5920180124	18x2	15	cm. 24	14,83	10	80
5920200124	20x2	15	cm. 24	15,73	10	80
5920200224	20x2,25	15	cm. 24	16,28	10	80
5920200324	20x2,5	15	cm. 24	17,39	10	80

Code	Ø multilayer pipe	Ø copper pipe	copper pipe length	€	box	pack
5920140109	14x2	15	cm. 9	10,92	25	200
5920160109	16x2	15	cm. 9	11,03	25	200
5920160209	16x2,25	15	cm. 9	11,43	25	200
5920180109	18x2	15	cm. 9	11,87	25	200
5920200109	20x2	15	cm. 9	12,60	25	200
5920200209	20x2,25	15	cm. 9	13,05	25	200
5920200309	20x2,5	15	cm. 9	13,94	25	200

"T" fitting for radiator connection complete with chrome-plated pipe.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel


ART. 5921

Code	Ø multilayer pipe	Ø copper pipe	copper pipe length	€	box	pack
5921140125	14x2	15	cm. 25	18,35	5	50
5921160125	16x2	15	cm. 25	18,54	5	50
5921160225	16x2,25	15	cm. 25	19,20	5	50
5921180125	18x2	15	cm. 25	19,95	5	50
5921200125	20x2	15	cm. 25	21,17	5	50
5921200225	20x2,25	15	cm. 25	21,91	5	50
5921200325	20x2,5	15	cm. 25	23,42	5	50

Repair and expansion joint for multilayer pipes.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bush made of stainless steel
- Double sealing O-ring


ART. 5926

Code	Ø pipe	€	box	pack
59261401	14x2	13,67	20	200
59261601	16x2	13,25	20	200

Code	Ø pipe	€	box	pack
59261602	16x2,25	14,05	20	200
59261801	18x2	13,64	20	200
59262001	20x2	13,76	20	200
59262002	20x2,25	14,25	20	200
59262003	20x2,5	14,66	20	200

Built-in stop cock.



With brass wall covering plate

ART. 5960

Code	size	€	box	pack
5960 12	1/2"	20,64	2	60
5960 34	3/4"	27,01	1	30

With plastic wall covering plate

ART. 5970

Code	size	€	box	pack
5970 12	1/2"	20,14	2	60
5970 34	3/4"	26,50	1	30

Built-in stop cock complete with PRESSFAR fittings.

With brass wall covering plate

ART. 5961

Code	size	Ø pipe	€	box	pack
59611601	1/2"	16x2	32,30	2	40
59611602	1/2"	16x2,25	32,57	2	40
59611801	1/2"	18x2	33,96	2	40
59612001	1/2"	20x2	34,60	2	40
59612002	1/2"	20x2,25	35,00	2	40
59612003	1/2"	20x2,5	35,90	2	40
59612601	3/4"	26x3	53,32	1	40
59613201	3/4"	32x3	57,02	1	40



With plastic wall covering plate

ART. 5971

Code	size	Ø pipe	€	box	pack
59711601	1/2"	16x2	31,80	2	40
59711602	1/2"	16x2,25	32,07	2	40
59711801	1/2"	18x2	33,46	2	40
59712001	1/2"	20x2	34,10	2	40
59712002	1/2"	20x2,25	34,50	2	40
59712003	1/2"	20x2,5	35,39	2	40
59712601	3/4"	26x3	52,81	1	40
59713201	3/4"	32x3	56,53	1	40

Built-in stop cock complete with PRESSFAR elbows.

With brass wall covering plate

ART. 5962

Code	size	Ø pipe	€	box	pack
59621601	1/2"	16x2	35,58	1	20
59621801	1/2"	18x2	36,76	1	20
59622003	1/2"	20x2,5	39,11	1	20
59622601	3/4"	26x3	52,31	1	20



With plastic wall covering plate

ART. 5972

Code	size	Ø pipe	€	box	pack
59721601	1/2"	16x2	35,08	1	20
59721801	1/2"	18x2	36,25	1	20
59722003	1/2"	20x2,5	38,62	1	20
59722601	3/4"	26x3	51,80	1	20

Built-in stop cock complete with handle.

With brass wall covering plate

ART. 5964

Code	size	€	box	pack
5964 12	1/2"	23,24	2	60
5964 34	3/4"	29,60	1	30



With plastic wall covering plate

ART. 5974

Code	size	€	box	pack
5974 12	1/2"	22,74	2	60
5974 34	3/4"	29,09	1	30

Built-in stop cock complete with handle and PRESSFAR fittings.



With brass wall covering plate

ART. 5963

Code	size	Ø pipe	€	box	pack
59631601	1/2"	16x2	35,23	2	40
59631801	1/2"	18x2	36,90	2	40
59632001	1/2"	20x2	37,86	2	40
59632003	1/2"	20x2,5	38,77	2	40
59632601	3/4"	26x3	56,16	1	20
59633201	3/4"	32x3	59,87	1	20

With plastic wall covering plate

ART. 5973

Code	size	Ø pipe	€	box	pack
59731601	1/2"	16x2	34,75	2	40
59731801	1/2"	18x2	36,39	2	40
59732001	1/2"	20x2	37,16	2	40
59732003	1/2"	20x2,5	38,27	2	40
59732601	3/4"	26x3	55,67	1	20
59733201	3/4"	32x3	59,37	1	20

Built-in stop cock complete with handle and PRESSFAR elbows.



With brass wall covering plate

ART. 5965

Code	size	Ø pipe	€	box	pack
59651601	1/2"	16x2	38,86	1	20
59651801	1/2"	18x2	39,93	1	20
59652003	1/2"	20x2,5	42,26	1	20
59652601	3/4"	26x3	57,47	1	20

With plastic wall covering plate

ART. 5975

Code	size	Ø pipe	€	box	pack
59751601	1/2"	16x2	38,34	1	20
59751801	1/2"	18x2	39,39	1	20
59752003	1/2"	20x2,5	41,75	1	20
59752601	3/4"	26x3	56,87	1	20

Cap complete with wall covering plate for built-in stop cock.



With brass wall covering plate

ART. 5967

Code	€	box	pack
5967	10,77	1	20

With plastic wall covering plate

ART. 5966

Code	€	box	pack
5966	7,03	1	20

Cap with handle complete with wall covering plate for built-in stop cock.



With brass wall covering plate

ART. 5969

Code	€	box	pack
5969	13,25	1	20

With plastic wall covering plate

ART. 5968

Code	€	box	pack
5968	9,49	1	20

3 port CR (DZR) manifold complete with PRESSFAR fitting.



ART. 5930

Code	size	Ø pipe	€	box	pack
59302003	3/4"	20x2,5	32,72	5	50
59302601	3/4"	26x3	35,14	5	50

Metal bracket complete with screws.



ART. 7477

Code	€	box	pack
7477	3,15	20	120

Extension for built-in stop cock.



ART. 5981

Code	€	box	pack
5981	5,45	25	250

Gauge in nylon.



ART. 9005

Code	Ø pipe	€	box
9005 1426	14-16-18-20-25-26	7,56	10
9005 3263	32-40-50-63	15,64	2
9005 1463	14-16-18-20-25-26-32-40-50-63	22,18	2

Bush made of stainless steel complete with ring.



ART. 5985

Code	Ø pipe	€	box
59851401	14x2	1,04	1
59851601	16x2	1,08	1
59851602	16x2,25	1,08	1
59851801	18x2	1,09	1
59852001	20x2	1,09	1
59852002	20x2,25	1,09	1
59852003	20x2,5	1,09	1
59852501	25x2,5	2,42	1
59852601	26x3	2,48	1
59853201	32x3	2,57	1
59854001	40x3,5	3,18	1
59854002	40x4	3,18	1
59855001	50x4	6,40	1
59855002	50x4,5	6,40	1
59856301	63x4,5	13,72	1



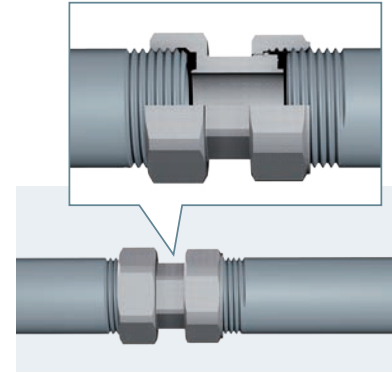
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2-piece connections

2-piece connections line that makes easier the assembly operations of the various system components.

Available in MF or FF from 1/2" to 2" sizes, with swiveling nut and equal threads or with swiveling nut and reduced threads at the two ends of the fitting.

The particular shape of the fitting allows the use of flat gaskets in EPDM or normal sealing systems such as hemp, ptfe, etc...



2-piece connection, brass, with swiveling nut.

- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N forged brass



ART. 8313

Code	F nut	M conn.	€	box
8313 12	1/2"	1/2"	4,01	1
8313 34	3/4"	3/4"	5,34	1
8313 1	1"	1"	7,65	1
8313 114	1"1/4	1"1/4	13,47	1
8313 112	1"1/2	1"1/2	17,10	1
8313 3412	3/4"	1/2"	4,28	1
8313 134	1"	3/4"	5,86	1
8313 1141	1"1/4	1"	10,07	1
8313 112114	1"1/2	1"1/4	14,14	1
8313 2112	2"	1"1/2	22,14	1

2-piece connection, chrome-plated, with swiveling nut.

- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N forged brass



ART. 8323

Code	F nut	M conn.	€	box
8323 12	1/2"	1/2"	4,65	1
8323 34	3/4"	3/4"	5,83	1
8323 1	1"	1"	8,20	1
8323 114	1"1/4	1"1/4	14,35	1
8323 112	1"1/2	1"1/2	18,06	1
8323 3412	3/4"	1/2"	4,55	1
8323 134	1"	3/4"	6,38	1
8323 1141	1"1/4	1"	10,72	1
8323 112114	1"1/2	1"1/4	14,77	1
8323 2112	2"	1"1/2	23,04	1

2-piece connection, brass, with swiveling nut.

- Connections: Female-Female
- Flat faced gasket in EPDM
- CW617N forged brass



ART. 8311

Code	F nut	F conn.	€	box
8311 12	1/2"	1/2"	4,28	1
8311 34	3/4"	3/4"	5,76	1
8311 1	1"	1"	8,78	1
8311 114	1"1/4	1"1/4	13,93	1
8311 112	1"1/2	1"1/2	17,25	1
8311 2	2"	2"	30,02	1
8311 3412	3/4"	1/2"	5,19	1
8311 134	1"	3/4"	7,32	1
8311 1141	1"1/4	1"	13,04	1
8311 112114	1"1/2	1"1/4	17,20	1
8311 2112	2"	1"1/2	25,25	1

2-piece connection, chrome-plated, with swiveling nut.

- Connections: Female-Female
- Flat faced gasket in EPDM
- CW617N forged brass



ART. 8321

Code	F nut	F conn.	€	box
8321 12	1/2"	1/2"	4,84	1
8321 34	3/4"	3/4"	6,37	1
8321 1	1"	1"	9,32	1
8321 114	1"1/4	1"1/4	15,21	1
8321 112	1"1/2	1"1/2	18,63	1
8321 2	2"	2"	31,97	1
8321 3412	3/4"	1/2"	5,82	1
8321 134	1"	3/4"	7,96	1
8321 1141	1"1/4	1"	14,30	1
8321 112114	1"1/2	1"1/4	18,58	1
8321 2112	2"	1"1/2	27,05	1

3-piece straight connection, brass version.

- male-female connections

ART. 5140

Code	size	€	box	pack
5140 38	3/8"	3,53	50	400
5140 12	1/2"	4,53	25	200
5140 34	3/4"	6,57	20	120
5140 1	1"	11,74	10	80
5140 114	1"1/4	17,09	10	80
5140 112	1"1/2	37,91	5	50
5140 2	2"	47,99	2	20



3-piece bent connection, brass version.

- male-female connections

ART. 5190

Code	size	€	box	pack
5190 38	3/8"	4,06	50	400
5190 12	1/2"	5,76	25	200
5190 34	3/4"	8,97	20	120
5190 1	1"	15,84	10	80
5190 114	1"1/4	23,26	10	80
5190 112	1"1/2	49,23	5	50
5190 2	2"	66,63	2	20



3-piece straight connection, chrome-plated version.

- male-female connections

ART. 5150

Code	size	€	box	pack
5150 38	3/8"	3,88	50	400
5150 12	1/2"	4,92	25	200
5150 34	3/4"	6,97	20	120
5150 1	1"	12,29	10	80
5150 114	1"1/4	17,98	10	80
5150 112	1"1/2	39,34	5	50
5150 2	2"	49,95	2	20



3-piece bent connection, chrome-plated version.

- male-female connections

ART. 5200

Code	size	€	box	pack
5200 38	3/8"	4,45	50	400
5200 12	1/2"	6,20	25	200
5200 34	3/4"	9,38	20	120
5200 1	1"	16,50	10	80
5200 114	1"1/4	24,04	10	80
5200 112	1"1/2	50,87	5	50
5200 2	2"	68,86	2	20



3-piece straight connection, brass version.

- male-male connections

ART. 5143

Code	size	€	box	pack
5143 12	1/2"	5,29	25	200
5143 34	3/4"	7,65	20	120
5143 1	1"	13,36	10	80
5143 114	1"1/4	20,21	10	80



3-piece bent connection, brass version.

- male-male connections

ART. 5153

Code	size	€	box	pack
5153 12	1/2"	5,47	25	200
5153 34	3/4"	8,24	20	120
5153 1	1"	13,64	10	80
5153 114	1"1/4	21,62	10	80



Chrome-plated connection kit for pump complete with nut, gasket and non-return valve.

- Connection: 3/4" male
- Connection: 1" male



ART. 8344

Code	size	nut	€	box
8344 341	3/4"	1"	7,77	10
8344 34	3/4"	1"1/2	13,91	10
8344 1	1"	1"1/2	14,35	10

Chrome-plated connection kit for pump complete with nut and gasket.

- Connection: 3/4" male
- Connection: 1" male



ART. 8345

Code	size	nut	€	box
8345 341	3/4"	1"	5,29	10
8345 34	3/4"	1"1/2	9,72	10
8345 1	1"	1"1/2	9,57	10

Chrome-plated connection kit for pump complete with 1" 1/2 nut and gasket.

- connection: 3/4" female
- connection: 1" female

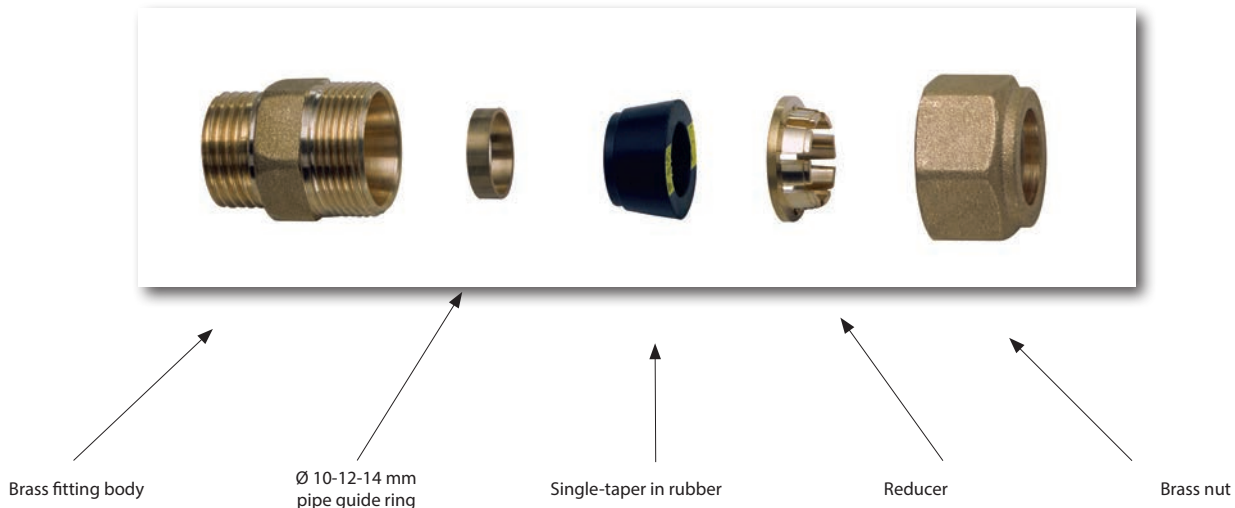


ART. 8346

Code	size	€	box
8346 34	3/4" x 1"1/2	8,19	10
8346 1	1" x 1"1/2	9,07	10

This range features mechanical compression fittings for gas and hydrocarbon fluids suitable to be used on 10, 12, 14, 15, 16, 18 and 22 mm copper pipes

Fittings for GAS and hydrocarbon fluids



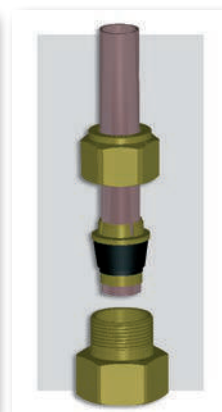
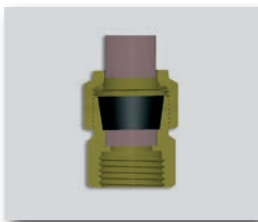
In accordance with: UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

Assembly:

- Cut and deburr the pipe
- Insert the nut and reducer onto the pipe
- Insert the rubber single-taper and the optional guide ring onto the pipe
- Locate the pipe complete with kit in the conical seat, adjusting pipe to fitting body
- Tighten the nut

Technical features:

- Nominal pressure: 10 bar
- Working temperature: -15÷+50°
- Compatible media: gas and hydrocarbon fluids



Fittings range includes: male fitting, female fitting, male elbow, female elbow and wall connection complete with sealing kits depending on the different pipe sizes

Please note: when installing this kind of fittings you must follow all recommendations detailed in UNI 7129 and UNI 7131

10 FITTINGS FOR GAS AND HYDROCARBON FLUIDS

Male fitting complete with sealing kit for copper pipe, suitable for gas and hydrocarbon fluids.

- In accordance with UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

ART. 5860

Code	size	Ø pipe	€	box	pack
5860 3810	3/8"	10	5,07	25	250
5860 3812	3/8"	12	5,07	25	250
5860 3814	3/8"	14	5,07	25	250
5860 1210	1/2"	10	5,07	25	250



Code	size	Ø pipe	€	box	pack
5860 1212	1/2"	12	5,07	25	250
5860 1214	1/2"	14	5,07	25	250
5860 1215	1/2"	15	4,81	25	250
5860 1216	1/2"	16	4,81	25	250
5860 1218	1/2"	18	4,81	25	250
5860 3416	3/4"	16	5,46	25	250
5860 3418	3/4"	18	5,46	25	250
5860 3422	3/4"	22	7,71	25	250
5860 122	1"	22	9,37	25	250

Female fitting complete with sealing kit for copper pipe, suitable for gas and hydrocarbon fluids.

- In accordance with UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

ART. 5862

Code	size	Ø pipe	€	box	pack
5862 3810	3/8"	10	5,19	25	250
5862 3812	3/8"	12	5,19	25	250
5862 3814	3/8"	14	5,19	25	250
5862 1210	1/2"	10	5,19	25	250



Code	size	Ø pipe	€	box	pack
5862 1212	1/2"	12	5,19	25	250
5862 1214	1/2"	14	5,19	25	250
5862 1215	1/2"	15	4,79	25	250
5862 1216	1/2"	16	4,79	25	250
5862 1218	1/2"	18	4,79	25	250
5862 3416	3/4"	16	5,47	25	250
5862 3418	3/4"	18	5,47	25	250
5862 3422	3/4"	22	8,01	25	250
5862 122	1"	22	9,37	25	250

Male elbow complete with sealing kit for copper pipe, suitable for gas and hydrocarbon fluids.

- In accordance with UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

ART. 5864

Code	size	Ø pipe	€	box	pack
5864 1210	1/2"	10	6,65	25	250
5864 1212	1/2"	12	6,65	25	250
5864 1214	1/2"	14	6,65	25	250
5864 1215	1/2"	15	6,38	25	250



Code	size	Ø pipe	€	box	pack
5864 1216	1/2"	16	6,38	25	250
5864 1218	1/2"	18	6,38	25	250
5864 3416	3/4"	16	7,54	25	250
5864 3418	3/4"	18	7,54	25	250
5864 3422	3/4"	22	9,44	20	200
5864 122	1"	22	10,89	20	200

Female elbow complete with sealing kit for copper pipe, suitable for gas and hydrocarbon fluids.

- In accordance with UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

ART. 5866

Code	size	Ø pipe	€	box	pack
5866 1210	1/2"	10	6,34	25	250
5866 1212	1/2"	12	6,34	25	250
5866 1214	1/2"	14	6,34	25	250
5866 1215	1/2"	15	6,10	25	250

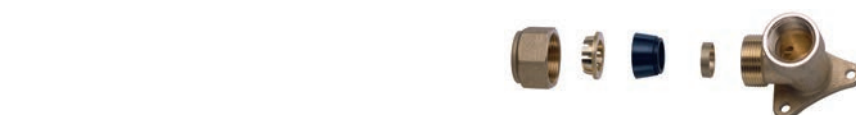


Code	size	Ø pipe	€	box	pack
5866 1216	1/2"	16	6,10	25	250
5866 1218	1/2"	18	6,10	25	250
5866 3416	3/4"	16	7,31	25	250
5866 3418	3/4"	18	7,31	25	250
5866 3422	3/4"	22	10,04	20	200
5866 122	1"	22	10,89	15	150

Wall connection complete with sealing kit for copper pipe, suitable for gas and hydrocarbon fluids.

- In accordance with UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

ART. 5868

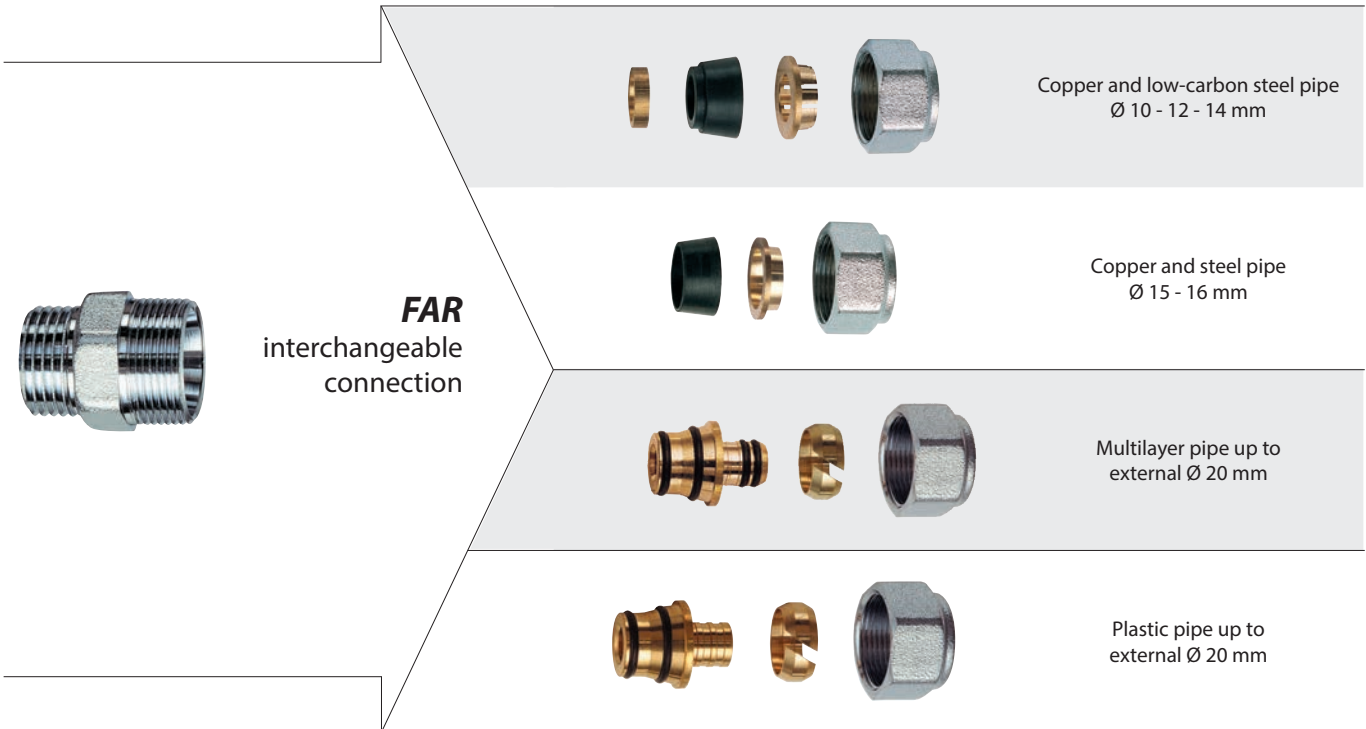


Code	size	Ø pipe	€	box	pack
5868 1210	1/2"	10	8,73	20	200
5868 1212	1/2"	12	8,73	20	200
5868 1214	1/2"	14	8,73	20	200
5868 1215	1/2"	15	8,47	20	200
5868 1216	1/2"	16	8,47	20	200
5868 1218	1/2"	18	8,47	20	200



A complete range of "INTERCHANGEABLE" mechanical fittings for heating and domestic services. Available in brass or chrome-plated versions.

FAR offers a wide range of adapters for copper or low-carbon steel pipes and for plastic and multilayer pipes.



FAR's range of interchangeable fittings includes a comprehensive choice of configurations. The whole range is guaranteed up to 10 bar pressure and a maximum temperature of 95°C (except where other limits are imposed by the special characteristics of the selected pipe).

The fittings are suitable for use with water with or without added glycol.



The FAR range of fittings for multilayer pipe is also available in a ready made up version, pre-assembled with adapter up to 32x3mm. See from page 254 to page 261.

You can find the range of fittings complete with sealing kit for copper pipe Ø 18 – 20 – 22 mm in the last pages of this chapter.



10 STRAIGHT FITTINGS WITH INTERCHANGEABLE SIZES

Brass male fitting.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5000



Code	size	€	box	pack
5000 38	3/8"	1,92	50	500
5000 12	1/2"	1,92	50	500
5000 34	3/4"	2,57	25	250
5000 1	1"	4,35	25	250

Chrome-plated male fitting.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5010



Code	size	€	box	pack
5010 38	3/8"	2,07	50	500
5010 12	1/2"	2,07	50	500
5010 34	3/4"	2,76	25	250
5010 1	1"	4,63	25	250

Brass female fitting.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5050



Code	size	€	box	pack
5050 38	3/8"	1,95	50	500
5050 12	1/2"	1,95	50	500
5050 34	3/4"	2,58	25	250
5050 1	1"	4,31	25	250

Chrome-plated female fitting.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5060



Code	size	€	box	pack
5060 38	3/8"	2,13	50	500
5060 12	1/2"	2,13	50	500
5060 34	3/4"	2,76	25	250
5060 1	1"	4,63	25	250

Brass double single-taper fitting.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5100



Code	size	€	box	pack
5100 12	24x19	2,32	25	250

Chrome-plated double single-taper fitting.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5110



Code	size	€	box	pack
5110 12	24x19	2,46	25	250

Brass male elbow.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe


ART. 5250


Code	size	€	box	pack
5250 12	1/2"	3,49	25	250
5250 34	3/4"	4,63	25	250
5250 1	1"	5,94	15	150

Chrome-plated male elbow.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe


ART. 5260


Code	size	€	box	pack
5260 12	1/2"	3,70	25	250
5260 34	3/4"	5,05	25	250
5260 1	1"	6,58	15	150

Brass female elbow.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe


ART. 5300


Code	size	€	box	pack
5300 12	1/2"	3,33	25	250
5300 34	3/4"	4,51	25	250
5300 1	1"	6,66	15	150

Chrome-plated female elbow.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe


ART. 5310


Code	size	€	box	pack
5310 12	1/2"	3,55	25	250
5310 34	3/4"	5,05	25	250
5310 1	1"	7,30	15	150

Brass double single-taper elbow.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe


ART. 5350


Code	size	€	box	pack
5350 12	24x19	3,15	25	250

Chrome-plated double single-taper elbow.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe


ART. 5360


Code	size	€	box	pack
5360 12	24x19	3,35	25	250

10 T CONNECTIONS WITH INTERCHANGEABLE SIZES

Brass T connection with 3 single-tapers.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5400



Code	size	€	box	pack
5400 12	24x19	4,19	20	200

Chrome-plated T connection with 3 single-tapers.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5410



Code	size	€	box	pack
5410 12	24x19	4,46	20	200

Brass T female connection with 2 single-tapers.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5450



Code	size	€	box	pack
5450 12	1/2"	4,06	20	200
5450 34	3/4"	5,66	20	200

Chrome-plated T female connection with 2 single-tapers.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5460



Code	size	€	box	pack
5460 12	1/2"	4,35	20	200
5460 34	3/4"	6,31	20	200

Brass T male connection with 2 single-tapers.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5500



Code	size	€	box	pack
5500 12	1/2"	3,99	20	200

Chrome-plated T male connection with 2 single-tapers.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5510



Code	size	€	box	pack
5510 12	1/2"	4,10	20	200

Brass T fitting.

- Fitting body in CW617N stamped brass
- 1/2"-3/4"-1" male connections


ART. 5505

Code	size	€	box	pack
5505 12	1/2"	3,85	20	-
5505 34	3/4"	5,24	10	-
5505 1	1"	7,59	5	-

Chrome-plated T fitting.

- Fitting body in CW617N stamped brass
- 1/2"-3/4"-1" male connections


ART. 5515

Code	size	€	box	pack
5515 12	1/2"	3,98	20	-
5515 34	3/4"	5,85	10	-
5515 1	1"	8,14	5	-

Brass T fitting.

- Fitting body in CW617N stamped brass
- 3/4" male x 3/4" female x 1/2" male connections


ART. 5506

Code	size	€	box	pack
5506 34	3/4"	4,52	25	-

Chrome-plated T fitting.

- Fitting body in stamped brass
- 3/4" male x 3/4" female x 1/2" male connections


ART. 5516

Code	size	€	box	pack
5516 34	3/4"	4,77	25	-

Brass female wall connection.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe


ART. 5550


Code	size	€	box	pack
5550 12	1/2"	4,43	20	200
5550 34	3/4"	5,43	20	200

Chrome-plated female wall connection.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe


ART. 5555


Code	size	€	box	pack
5555 12	1/2"	4,84	20	200
5555 34	3/4"	5,84	20	200

Brass male wall connection.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe


ART. 5552


Code	size	€	box	pack
5552 34	3/4"	4,49	20	200

Chrome-plated male wall connection.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe


ART. 5557


Code	size	€	box	pack
5557 34	3/4"	4,91	20	200

10 FITTINGS AND ACCESSORIES FOR ACQUAFAR SYSTEM

Chrome-plated flow-through straight connection.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5650



Code	size	€	box	pack
5650 12	1/2"	7,16	10	100

Chrome-plated "L" connection.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5700



Code	size	€	box	pack
5700 12	1/2"	6,11	10	100

Chrome-plated terminal connection.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5750



Code	size	€	box	pack
5750 12	1/2"	5,49	20	200

Brass bent connection for domestic systems.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe
- Holes for fixing on art. 9001



ART. 5600



Code	size	€	box	pack
5600 12	1/2"	4,25	25	250

Plastic terminal box for domestic systems with plastic pipe.

- Complete with screws for fixing art. 5600



ART. 9001

Code	€	box	pack
9001	2,17	10	-

Chrome-plated bent connection for domestic systems.

- Fitting body in CW617N stamped brass
- Interchangeable sizes for copper, plastic and multilayer pipe
- Holes for fixing on art. 9001



ART. 5610



Code	size	€	box	pack
5610 12	1/2"	4,52	25	250

Plastic male plug for hydraulic test, complete with O-ring seal.



ART. 9002

Code	size	€	box	pack
9002	1/2"	0,82	120	2400

Plastic fixing bracket for ART. 9001.

- Centre distance between holes: 155 mm



ART. 9003

Code	size	€	box	pack
9003	int. 155	0,91	60	1200

Plastic wrench for connections mounting and levelling.



ART. 9004

Code	size	€	box	pack
9004	1/2"	1,18	20	400

Brass MALE fitting, reduced version.

- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5065

Code	size	gasket	€	box
5065 38G08	3/8"x 8	rubber	2,60	50
5065 38G10	3/8"x10	rubber	2,60	50
5065 38G12	3/8"x12	rubber	2,60	50

Chrome-plated MALE fitting, reduced version.

- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5070

Code	size	gasket	€	box
5070 38G08	3/8"x 8	rubber	2,87	50
5070 38G10	3/8"x10	rubber	2,87	50
5070 38G12	3/8"x12	rubber	2,87	50

Brass FEMALE fitting, reduced version.

- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5075

Code	size	gasket	€	box
5075 38G08	3/8"x 8	rubber	2,54	50
5075 38G10	3/8"x10	rubber	2,54	50
5075 38G12	3/8"x12	rubber	2,54	50

Chrome-plated FEMALE fitting, reduced version.

- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5080

Code	size	gasket	€	box
5080 38G08	3/8"x 8	rubber	2,82	50
5080 38G10	3/8"x10	rubber	2,82	50
5080 38G12	3/8"x12	rubber	2,82	50

Brass DOUBLE fitting, reduced version.

- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5085

Code	size	gasket	€	box
5085 38G08	3/8"x 8	rubber	3,99	50
5085 38G10	3/8"x10	rubber	3,99	50
5085 38G12	3/8"x12	rubber	3,99	50

Chrome-plated DOUBLE fitting, reduced version.

- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5090

Code	size	gasket	€	box
5090 38G08	3/8"x 8	rubber	4,39	50
5090 38G10	3/8"x10	rubber	4,39	50
5090 38G12	3/8"x12	rubber	4,39	50

10 ADAPTERS AND SEALING KIT

Kit for plastic pipes. Suitable for all our products with 24x19 interchangeable connections.

- adapter for plastic pipe
- brass ring
- brass nut with 24x19 thread



ART. 6051

Code	pipe	Ø external diameter	€	box	pack
6051 95147	plastic	10,5x1,25	3,08	50	500
6051 48186	plastic	12x2,15	3,08	50	500
6051 4847	plastic	12x2	3,08	50	500
6051 48184	plastic	12x1,5	3,08	50	500
6051 481005	plastic	12x1,35	3,08	50	500
6051 9761005	plastic	12,7x1,7	3,08	50	500
6051 976186	plastic	12,7x2,4	3,08	50	500
6051 6563	plastic	14x1,5	3,08	50	500
6051 6545	plastic	14x2	3,08	50	500
6051 4645	plastic	15x2,5	3,08	50	500
6051 4663	plastic	15x2	3,08	50	500
6051 46173	plastic	15x1,7	3,08	50	500
6051 4661	plastic	15x1,5	3,08	50	500
6051 5863	plastic	16x2,5	3,08	50	500
6051 58173	plastic	16x2,2	3,08	50	500
6051 5861	plastic	16x2	3,08	50	500
6051 58262	plastic	16x1,8	3,08	50	500
6051 5864	plastic	16x1,5	3,08	50	500
6051 58180	plastic	16x2,7	3,08	50	500
6051 15061	plastic	16,8x2,4	3,08	50	500
6051 150829	plastic	17x2,25	3,08	50	500
6051 15043	plastic	17x2	3,08	50	500
6051 6043	plastic	17,8x2,4	3,08	50	500
6051 60180	plastic	17,8x3,6	3,08	50	500
6051 4443	plastic	18x2,5	3,08	50	500
6051 44221	plastic	18x2,2	3,08	50	500
6051 4468	plastic	18x2	3,08	50	500
6051 8043	plastic	20x3,5	3,08	50	500
6051 8068	plastic	20x3	3,08	50	500
6051 80185	plastic	20x2,8	3,08	50	500
6051 80222	plastic	20x2,3	3,08	50	500
6051 8069	plastic	20x2,15	3,08	50	500
6051 80214	plastic	20x2	3,08	50	500
6051 80261	plastic	20x1,9	3,08	50	500

Kit for MULTILAYER pipes. Suitable for all our products with 24x19 interchangeable connections.

- adapter for multilayer pipe
- brass ring
- brass nut with 24x19 thread



ART. 6054

Code	pipe	Ø external diameter	€	box	pack
6054 902901	multilayer	11,6x1,5	3,31	50	500
6054 48901	multilayer	12x1,8	3,31	50	500
6054 65193	multilayer	14x2	3,31	50	500
6054 46193	multilayer	15x2,5	3,31	50	500
6054 58190	multilayer	16x2	3,31	50	500
6054 58200	multilayer	16x2,25	3,31	50	500
6054 58278	multilayer	16,2x2,6	3,31	50	500
6054 150200	multilayer	16,8x2,5	3,31	50	500
6054 150810	multilayer	17x2	3,31	50	500
6054 44191	multilayer	18x2	3,31	50	500
6054 80204	multilayer	20x2	3,31	50	500
6054 80192	multilayer	20x2,25	3,31	50	500
6054 80201	multilayer	20x2,5	3,31	50	500
6054 80191	multilayer	20x2,9	3,31	50	500

Sealing compression KIT in rubber for copper pipe.

- brass pipe guide washer
- rubber compression single-taper
- brass ring
- brass nut with 24x19 thread



ART. 8426

Code	pipe	size	€	box	pack
8426 10	copper	Ø 10	1,74	100	500
8426 12	copper	Ø 12	1,74	100	500
8426 14	copper	Ø 14	1,74	100	500

Sealing compression KIT in rubber for copper pipe.

- rubber compression single-taper
- brass ring
- brass nut with 24x19 thread



ART. 8428

Code	pipe	size	€	box	pack
8428 15	copper	Ø 15	1,58	100	500
8428 16	copper	Ø 16	1,58	100	500

Kit for plastic pipes. Suitable for all our products with 24x19 interchangeable connections.

- adapter for plastic pipe
- brass ring
- chrome-plated nut with 24x19 thread


ART. 6052

Code	pipe	Ø external diameter	€	box	pack
6052 95147	plastic	10,5x1,25	3,16	50	500
6052 48186	plastic	12x2,15	3,16	50	500
6052 4847	plastic	12x2	3,16	50	500
6052 48184	plastic	12x1,5	3,16	50	500
6052 481005	plastic	12x1,35	3,16	50	500
6052 9761005	plastic	12,7x1,7	3,16	50	500
6052 976186	plastic	12,7x2,4	3,16	50	500
6052 6563	plastic	14x1,5	3,16	50	500
6052 6545	plastic	14x2	3,16	50	500
6052 4645	plastic	15x2,5	3,16	50	500
6052 4663	plastic	15x2	3,16	50	500
6052 46173	plastic	15x1,7	3,16	50	500
6052 4661	plastic	15x1,5	3,16	50	500
6052 5863	plastic	16x2,5	3,16	50	500
6052 58173	plastic	16x2,2	3,16	50	500
6052 5861	plastic	16x2	3,16	50	500
6052 58262	plastic	16x1,8	3,16	50	500
6052 5864	plastic	16x1,5	3,16	50	500
6052 58180	plastic	16x2,7	3,16	50	500
6052 15061	plastic	16,8x2,4	3,16	50	500
6052 150829	plastic	17x2,25	3,16	50	500
6052 15043	plastic	17x2	3,16	50	500
6052 6043	plastic	17,8x2,4	3,16	50	500
6052 60180	plastic	17,8x3,6	3,16	50	500
6052 4443	plastic	18x2,5	3,16	50	500
6052 44221	plastic	18x2,2	3,16	50	500
6052 4468	plastic	18x2	3,16	50	500
6052 8043	plastic	20x3,5	3,16	50	500
6052 8068	plastic	20x3	3,16	50	500
6052 80185	plastic	20x2,8	3,16	50	500
6052 80222	plastic	20x2,3	3,16	50	500
6052 8069	plastic	20x2,15	3,16	50	500
6052 80214	plastic	20x2	3,16	50	500
6052 80261	plastic	20x1,9	3,16	50	500

Kit for MULTILAYER pipes. Suitable for all our products with 24x19 interchangeable connections.

- adapter for multilayer pipe
- brass ring
- chrome-plated nut with 24x19 thread


ART. 6055

Code	pipe	Ø external diameter	€	box	pack
6055 902901	multilayer	11,6x1,5	3,41	50	500
6055 481156	multilayer	12x1,6	3,41	50	500
6055 48901	multilayer	12x1,8	3,41	50	500
6055 65193	multilayer	14x2	3,41	50	500
6055 46193	multilayer	15x2,5	3,41	50	500
6055 58190	multilayer	16x2	3,41	50	500
6055 58200	multilayer	16x2,25	3,41	50	500
6055 58278	multilayer	16,2x2,6	3,41	50	500
6055 150200	multilayer	16,8x2,5	3,41	50	500
6055 150810	multilayer	17x2	3,41	50	500
6055 44191	multilayer	18x2	3,41	50	500
6055 80204	multilayer	20x2	3,41	50	500
6055 80192	multilayer	20x2,25	3,41	50	500
6055 80201	multilayer	20x2,5	3,41	50	500
6055 80191	multilayer	20x2,9	3,41	50	500

Sealing compression KIT in rubber for copper pipe.

- brass pipe guide washer
- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread


ART. 8427

Code	pipe	size	€	box	pack
8427 10	copper	Ø 10	1,83	100	500
8427 12	copper	Ø 12	1,83	100	500
8427 14	copper	Ø 14	1,83	100	500

Sealing compression KIT in rubber for copper pipe.

- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread


ART. 8429

Code	pipe	size	€	box	pack
8429 15	copper	Ø 15	1,72	100	500
8429 16	copper	Ø 16	1,72	100	500

Male fitting in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe

ART. 5001

Code	size	Ø pipe	€	box	pack
5001 3865193	3/8"	14x2	4,92	25	250
5001 3858190	3/8"	16x2	4,92	25	250
5001 3858200	3/8"	16x2,25	4,92	25	250
5001 3844191	3/8"	18x2	4,98	25	250
5001 3880204	3/8"	20x2	5,16	25	250
5001 3880192	3/8"	20x2,25	5,16	25	250
5001 3880201	3/8"	20x2,5	5,16	25	250
5001 1265193	1/2"	14x2	4,92	25	250
5001 1258190	1/2"	16x2	4,92	25	250
5001 1258200	1/2"	16x2,25	4,92	25	250
5001 1244191	1/2"	18x2	4,98	25	250
5001 1280204	1/2"	20x2	5,16	25	250
5001 1280192	1/2"	20x2,25	5,16	25	250
5001 1280201	1/2"	20x2,5	5,16	25	250



Code	size	Ø pipe	€	box	pack
5001 3465193	3/4"	14x2	5,49	25	250
5001 3458190	3/4"	16x2	5,49	25	250
5001 3458200	3/4"	16x2,25	5,49	25	250
5001 3444191	3/4"	18x2	5,59	25	250
5001 3480204	3/4"	20x2	5,79	25	250
5001 3480192	3/4"	20x2,25	5,79	25	250
5001 3480201	3/4"	20x2,5	5,79	25	250
5001 34219218	3/4"	25x2,5	10,60	10	100
5001 34220218	3/4"	26x3	10,60	10	100
5001 165193	1"	14x2	7,46	25	250
5001 158190	1"	16x2	7,46	25	250
5001 158200	1"	16x2,25	7,46	25	250
5001 144191	1"	18x2	7,59	25	250
5001 180204	1"	20x2	7,75	25	250
5001 180192	1"	20x2,25	7,75	25	250
5001 180201	1"	20x2,5	7,75	25	250
5001 1219218	1"	25x2,5	10,60	10	100
5001 1220218	1"	26x3	10,60	10	100
5001 1276275	1"	32x3	19,81	10	100

Female fitting in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe

ART. 5051

Code	size	Ø pipe	€	box	pack
5051 3865193	3/8"	14x2	4,89	25	250
5051 3858190	3/8"	16x2	4,89	25	250
5051 3858200	3/8"	16x2,25	4,89	25	250
5051 3844191	3/8"	18x2	4,96	25	250
5051 3880204	3/8"	20x2	5,14	25	250
5051 3880192	3/8"	20x2,25	5,14	25	250
5051 3880201	3/8"	20x2,5	5,14	25	250
5051 1265193	1/2"	14x2	4,89	25	250
5051 1258190	1/2"	16x2	4,89	25	250
5051 1258200	1/2"	16x2,25	4,89	25	250
5051 1244191	1/2"	18x2	4,96	25	250
5051 1280204	1/2"	20x2	5,14	25	250
5051 1280192	1/2"	20x2,25	5,14	25	250
5051 1280201	1/2"	20x2,5	5,14	25	250



Code	size	Ø pipe	€	box	pack
5051 3465193	3/4"	14x2	5,55	25	250
5051 3458190	3/4"	16x2	5,55	25	250
5051 3458200	3/4"	16x2,25	5,55	25	250
5051 3444191	3/4"	18x2	5,66	25	250
5051 3480204	3/4"	20x2	5,83	25	250
5051 3480192	3/4"	20x2,25	5,83	25	250
5051 3480201	3/4"	20x2,5	5,83	25	250
5051 34219218	3/4"	25x2,5	10,60	10	100
5051 34220218	3/4"	26x3	10,60	10	100
5051 165193	1"	14x2	7,43	25	250
5051 158190	1"	16x2	7,43	25	250
5051 158200	1"	16x2,25	7,43	25	250
5051 144191	1"	18x2	7,54	25	250
5051 180204	1"	20x2	7,73	25	250
5051 180192	1"	20x2,25	7,73	25	250
5051 180201	1"	20x2,5	7,73	25	250
5051 1219218	1"	25x2,5	10,60	10	100
5051 1220218	1"	26x3	10,60	10	100
5051 1276275	1"	32x3	19,81	10	100

Chrome-plated male fitting in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe

ART. 5011

Code	size	Ø pipe	€	box	pack
5011 3865193	3/8"	14x2	5,16	25	250
5011 3858190	3/8"	16x2	5,16	25	250
5011 3858200	3/8"	16x2,25	5,16	25	250
5011 3844191	3/8"	18x2	5,27	25	250
5011 3880204	3/8"	20x2	5,45	25	250
5011 3880192	3/8"	20x2,25	5,45	25	250
5011 3880201	3/8"	20x2,5	5,45	25	250
5011 1265193	1/2"	14x2	5,16	25	250
5011 1258190	1/2"	16x2	5,16	25	250
5011 1258200	1/2"	16x2,25	5,16	25	250
5011 1244191	1/2"	18x2	5,27	25	250
5011 1280204	1/2"	20x2	5,45	25	250
5011 1280192	1/2"	20x2,25	5,45	25	250
5011 1280201	1/2"	20x2,5	5,45	25	250



Code	size	Ø pipe	€	box	pack
5011 3465193	3/4"	14x2	5,82	25	250
5011 3458190	3/4"	16x2	5,82	25	250
5011 3458200	3/4"	16x2,25	5,82	25	250
5011 3444191	3/4"	18x2	5,87	25	250
5011 3480204	3/4"	20x2	6,08	25	250
5011 3480192	3/4"	20x2,25	6,08	25	250
5011 3480201	3/4"	20x2,5	6,08	25	250
5011 34219218	3/4"	25x2,5	11,03	10	100
5011 34220218	3/4"	26x3	11,03	10	100
5011 165193	1"	14x2	7,90	25	250
5011 158190	1"	16x2	7,90	25	250
5011 158200	1"	16x2,25	7,90	25	250
5011 144191	1"	18x2	8,01	25	250
5011 180204	1"	20x2	8,22	25	250
5011 180192	1"	20x2,25	8,22	25	250
5011 180201	1"	20x2,5	8,22	25	250
5011 1219218	1"	25x2,5	11,03	10	100
5011 1220218	1"	26x3	11,03	10	100
5011 1276275	1"	32x3	20,27	10	100

Chrome-plated female fitting in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe

ART. 5061

Code	size	Ø pipe	€	box	pack
5061 3865193	3/8"	14x2	5,14	25	250
5061 3858190	3/8"	16x2	5,14	25	250
5061 3858200	3/8"	16x2,25	5,14	25	250
5061 3844191	3/8"	18x2	5,26	25	250
5061 3880204	3/8"	20x2	5,44	25	250
5061 3880192	3/8"	20x2,25	5,44	25	250
5061 3880201	3/8"	20x2,5	5,44	25	250
5061 1265193	1/2"	14x2	5,14	25	250
5061 1258190	1/2"	16x2	5,14	25	250
5061 1258200	1/2"	16x2,25	5,14	25	250
5061 1244191	1/2"	18x2	5,26	25	250
5061 1280204	1/2"	20x2	5,44	25	250
5061 1280192	1/2"	20x2,25	5,44	25	250
5061 1280201	1/2"	20x2,5	5,44	25	250



Code	size	Ø pipe	€	box	pack
5061 3465193	3/4"	14x2	5,87	25	250
5061 3458190	3/4"	16x2	5,87	25	250
5061 3458200	3/4"	16x2,25	5,87	25	250
5061 3444191	3/4"	18x2	6,00	25	250
5061 3480204	3/4"	20x2	6,15	25	250
5061 3480192	3/4"	20x2,25	6,15	25	250
5061 3480201	3/4"	20x2,5	6,15	25	250
5061 34219218	3/4"	25x2,5	11,03	10	100
5061 34220218	3/4"	26x3	11,03	10	100
5061 165193	1"	14x2	7,89	25	250
5061 158190	1"	16x2	7,89	25	250
5061 158200	1"	16x2,25	7,89	25	250
5061 144191	1"	18x2	7,97	25	250
5061 180204	1"	20x2	8,15	25	250
5061 180192	1"	20x2,25	8,15	25	250
5061 180201	1"	20x2,5	8,15	25	250
5061 1219218	1"	25x2,5	11,03	10	100
5061 1220218	1"	26x3	11,03	10	100
5061 1276275	1"	32x3	20,27	10	100

10 FITTINGS COMPLETE WITH ADAPTER FOR MULTILAYER PIPE

DOUBLE fitting in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapters for multilayer pipe



ART. 5101

Code	size	Ø pipe	€	box	pack
5101 1265193	1/2"	14x2	8,31	25	250
5101 1258190	1/2"	16x2	8,31	25	250

Code	size	Ø pipe	€	box	pack
5101 1258200	1/2"	16x2,25	8,31	25	250
5101 1244191	1/2"	18x2	8,51	25	250
5101 1280204	1/2"	20x2	8,85	25	250
5101 1280192	1/2"	20x2,25	8,85	25	250
5101 1280201	1/2"	20x2,5	8,85	25	250
5101 1219218	1"	25x2,5	17,47	10	100
5101 1220218	1"	26x3	17,47	10	100

Chrome-plated DOUBLE fitting in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapters for multilayer pipe



ART. 5111

Code	size	Ø pipe	€	box	pack
5111 1265193	1/2"	14x2	8,71	25	250
5111 1258190	1/2"	16x2	8,71	25	250

Code	size	Ø pipe	€	box	pack
5111 1258200	1/2"	16x2,25	8,71	25	250
5111 1244191	1/2"	18x2	8,90	25	250
5111 1280204	1/2"	20x2	9,25	25	250
5111 1280192	1/2"	20x2,25	9,25	25	250
5111 1280201	1/2"	20x2,5	9,25	25	250
5111 1219218	1"	25x2,5	18,09	10	100
5111 1220218	1"	26x3	18,09	10	100

DOUBLE elbow in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapters for multilayer pipe



ART. 5351

Code	size	Ø pipe	€	box	pack
5351 1265193	1/2"	14x2	9,01	20	200
5351 1258190	1/2"	16x2	9,01	20	200

Code	size	Ø pipe	€	box	pack
5351 1258200	1/2"	16x2,25	9,01	20	200
5351 1244191	1/2"	18x2	9,23	20	200
5351 1280204	1/2"	20x2	9,55	20	200
5351 1280192	1/2"	20x2,25	9,55	20	200
5351 1280201	1/2"	20x2,5	9,55	20	200
5351 1219218	1"	25x2,5	19,47	10	100
5351 1220218	1"	26x3	19,47	10	100
5351 1276275	1"	32x3	41,84	10	100

Chrome-plated DOUBLE elbow in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapters for multilayer pipe



ART. 5361

Code	size	Ø pipe	€	box	pack
5361 1265193	1/2"	14x2	9,55	20	200
5361 1258190	1/2"	16x2	9,55	20	200

Code	size	Ø pipe	€	box	pack
5361 1258200	1/2"	16x2,25	9,55	20	200
5361 1244191	1/2"	18x2	9,74	20	200
5361 1280204	1/2"	20x2	10,09	20	200
5361 1280192	1/2"	20x2,25	10,09	20	200
5361 1280201	1/2"	20x2,5	10,09	20	200
5361 1219218	1"	25x2,5	20,08	10	100
5361 1220218	1"	26x3	20,08	10	100
5361 1276275	1"	32x3	43,26	10	100

Male elbow in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe


ART. 5251

Code	size	Ø pipe	€	box	pack
5251 1265193	1/2"	14x2	6,25	25	250
5251 1258190	1/2"	16x2	6,25	25	250
5251 1258200	1/2"	16x2,25	6,25	25	250
5251 1244191	1/2"	18x2	6,36	25	250
5251 1280204	1/2"	20x2	6,52	25	250
5251 1280192	1/2"	20x2,25	6,52	25	250
5251 1280201	1/2"	20x2,5	6,52	25	250
5251 3465193	3/4"	14x2	7,46	25	250
5251 3458190	3/4"	16x2	7,46	25	250
5251 3458200	3/4"	16x2,25	7,46	25	250
5251 3444191	3/4"	18x2	7,59	25	250
5251 3480204	3/4"	20x2	7,77	25	250
5251 3480192	3/4"	20x2,25	7,77	25	250
5251 3480201	3/4"	20x2,5	7,77	25	250
5251 34219218	3/4"	25x2,5	10,88	10	100
5251 34220218	3/4"	26x3	10,88	10	100
5251 1219218	1"	25x2,5	12,59	10	100
5251 1220218	1"	26x3	12,59	10	100
5251 1276275	1"	32x3	26,34	10	100

Chrome-plated male elbow in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe


ART. 5261

Code	size	Ø pipe	€	box	pack
5261 1265193	1/2"	14x2	6,66	25	250
5261 1258190	1/2"	16x2	6,66	25	250
5261 1258200	1/2"	16x2,25	6,66	25	250
5261 1244191	1/2"	18x2	6,78	25	250
5261 1280204	1/2"	20x2	6,92	25	250
5261 1280192	1/2"	20x2,25	6,92	25	250
5261 1280201	1/2"	20x2,5	6,92	25	250
5261 3465193	3/4"	14x2	8,07	25	250
5261 3458190	3/4"	16x2	8,07	25	250
5261 3458200	3/4"	16x2,25	8,07	25	250
5261 3444191	3/4"	18x2	8,15	25	250
5261 3480204	3/4"	20x2	8,42	25	250
5261 3480192	3/4"	20x2,25	8,42	25	250
5261 3480201	3/4"	20x2,5	8,42	25	250
5261 34219218	3/4"	25x2,5	11,32	10	100
5261 34220218	3/4"	26x3	11,32	10	100
5261 1219218	1"	25x2,5	13,07	10	100
5261 1220218	1"	26x3	13,07	10	100
5261 1276275	1"	32x3	27,43	10	100

Female elbow in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe



ART. 5301

Code	size	Ø pipe	€	box	pack
5301 1265193	1/2"	14x2	6,20	25	250
5301 1258190	1/2"	16x2	6,20	25	250
5301 1258200	1/2"	16x2,25	6,20	25	250
5301 1244191	1/2"	18x2	6,31	25	250
5301 1280204	1/2"	20x2	6,50	25	250
5301 1280192	1/2"	20x2,25	6,50	25	250
5301 1280201	1/2"	20x2,5	6,50	25	250
5301 3465193	3/4"	14x2	7,71	25	250
5301 3458190	3/4"	16x2	7,71	25	250
5301 3458200	3/4"	16x2,25	7,71	25	250
5301 3444191	3/4"	18x2	7,80	25	250
5301 3480204	3/4"	20x2	8,06	25	250
5301 3480192	3/4"	20x2,25	8,06	25	250
5301 3480201	3/4"	20x2,5	8,06	25	250
5301 34219218	3/4"	25x2,5	12,59	10	100
5301 34220218	3/4"	26x3	12,59	10	100
5301 34276275	3/4"	32x3	22,82	10	100
5301 1219218	1"	25x2,5	12,59	10	100
5301 1220218	1"	26x3	12,59	10	100
5301 1276275	1"	32x3	25,55	10	100

Chrome-plated female elbow in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe



ART. 5311

Code	size	Ø pipe	€	box	pack
5311 1265193	1/2"	14x2	6,65	25	250
5311 1258190	1/2"	16x2	6,65	25	250
5311 1258200	1/2"	16x2,25	6,65	25	250
5311 1244191	1/2"	18x2	6,73	25	250
5311 1280204	1/2"	20x2	6,90	25	250
5311 1280192	1/2"	20x2,25	6,90	25	250
5311 1280201	1/2"	20x2,5	6,90	25	250
5311 3465193	3/4"	14x2	8,31	25	250
5311 3458190	3/4"	16x2	8,31	25	250
5311 3458200	3/4"	16x2,25	8,31	25	250
5311 3444191	3/4"	18x2	8,44	25	250
5311 3480204	3/4"	20x2	8,65	25	250
5311 3480192	3/4"	20x2,25	8,65	25	250
5311 3480201	3/4"	20x2,5	8,65	25	250
5311 34219218	3/4"	25x2,5	13,07	10	100
5311 34220218	3/4"	26x3	13,07	10	100
5311 34276275	3/4"	32x3	23,77	10	100
5311 1219218	1"	25x2,5	13,07	10	100
5311 1220218	1"	26x3	13,07	10	100
5311 1276275	1"	32x3	26,63	10	100

T connection with 3 outlets in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapters for multilayer pipe


ART. 5401

Code	size	Ø pipe	€	box	pack
5401 1265193	1/2"	14x2	13,41	20	200
5401 1258190	1/2"	16x2	13,41	20	200
5401 1258200	1/2"	16x2,25	13,41	20	200
5401 1244191	1/2"	18x2	13,70	20	200
5401 1280204	1/2"	20x2	14,23	20	200
5401 1280192	1/2"	20x2,25	14,23	20	200
5401 1280201	1/2"	20x2,5	14,23	20	200
5401 1219218	1"	25x2,5	28,13	5	50
5401 1220218	1"	26x3	28,13	5	50
5401 1276275	1"	32x3	61,49	5	50

Chrome-plated T connection with 3 outlets in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapters for multilayer pipe


ART. 5411

Code	size	Ø pipe	€	box	pack
5411 1265193	1/2"	14x2	14,10	20	200
5411 1258190	1/2"	16x2	14,10	20	200
5411 1258200	1/2"	16x2,25	14,10	20	200
5411 1244191	1/2"	18x2	14,38	20	200
5411 1280204	1/2"	20x2	14,89	20	200
5411 1280192	1/2"	20x2,25	14,89	20	200
5411 1280201	1/2"	20x2,5	14,89	20	200
5411 1219218	1"	25x2,5	29,03	5	50
5411 1220218	1"	26x3	29,03	5	50
5411 1276275	1"	32x3	63,44	5	50

Female wall-mounted connection in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe


ART. 5551

Code	size	Ø pipe	€	box	pack
5551 1265193	1/2"	14x2	7,61	20	200
5551 1258190	1/2"	16x2	7,61	20	200
5551 1258200	1/2"	16x2,25	7,61	20	200
5551 1244191	1/2"	18x2	7,71	20	200
5551 1280204	1/2"	20x2	7,90	20	200
5551 1280192	1/2"	20x2,25	7,90	20	200
5551 1280201	1/2"	20x2,5	7,90	20	200

Chrome-plated female wall-mounted connection in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe


ART. 5556

Code	size	Ø pipe	€	box	pack
5556 1265193	1/2"	14x2	8,14	20	200
5556 1258190	1/2"	16x2	8,14	20	200
5556 1258200	1/2"	16x2,25	8,14	20	200
5556 1244191	1/2"	18x2	8,27	20	200
5556 1280204	1/2"	20x2	8,43	20	200
5556 1280192	1/2"	20x2,25	8,43	20	200
5556 1280201	1/2"	20x2,5	8,43	20	200

10 FITTINGS COMPLETE WITH ADAPTER FOR MULTILAYER PIPE

Female T connection with 2 outlets in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapters for multilayer pipe



ART. 5451

Code	size	Ø pipe	€	box	pack
5451 1265193	1/2"	14x2	10,14	20	200
5451 1258190	1/2"	16x2	10,14	20	200
5451 1258200	1/2"	16x2,25	10,14	20	200
5451 1244191	1/2"	18x2	10,32	20	200
5451 1280204	1/2"	20x2	10,70	20	200
5451 1280192	1/2"	20x2,25	10,70	20	200
5451 1280201	1/2"	20x2,5	10,70	20	200
5451 3465193	3/4"	14x2	11,97	10	100
5451 3458190	3/4"	16x2	11,97	10	100
5451 3458200	3/4"	16x2,25	11,97	10	100
5451 3444191	3/4"	18x2	12,17	10	100
5451 3480204	3/4"	20x2	12,55	10	100
5451 3480192	3/4"	20x2,25	12,55	10	100
5451 3480201	3/4"	20x2,5	12,55	10	100
5451 34219218	3/4"	25x2,5	21,25	5	50
5451 34220218	3/4"	26x3	21,25	5	50
5451 34276275	3/4"	32x3	39,77	5	50
5451 1219218	1"	25x2,5	21,25	5	50
5451 1220218	1"	26x3	21,25	5	50
5451 1276275	1"	32x3	45,21	5	50

Chrome-plated female T connection with 2 outlets in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapters for multilayer pipe



ART. 5461

Code	size	Ø pipe	€	box	pack
5461 1265193	1/2"	14x2	10,70	20	200
5461 1258190	1/2"	16x2	10,70	20	200
5461 1258200	1/2"	16x2,25	10,70	20	200
5461 1244191	1/2"	18x2	10,88	20	200
5461 1280204	1/2"	20x2	11,23	20	200
5461 1280192	1/2"	20x2,25	11,23	20	200
5461 1280201	1/2"	20x2,5	11,23	20	200
5461 3465193	3/4"	14x2	12,84	10	100
5461 3458190	3/4"	16x2	12,84	10	100
5461 3458200	3/4"	16x2,25	12,84	10	100
5461 3444191	3/4"	18x2	13,04	10	100
5461 3480204	3/4"	20x2	13,41	10	100
5461 3480192	3/4"	20x2,25	13,41	10	100
5461 3480201	3/4"	20x2,5	13,41	10	100
5461 34219218	3/4"	25x2,5	22,13	5	50
5461 34220218	3/4"	26x3	22,13	5	50
5461 34276275	3/4"	32x3	41,14	5	50
5461 1219218	1"	25x2,5	22,13	5	50
5461 1220218	1"	26x3	22,13	5	50
5461 1276275	1"	32x3	46,83	5	50

Male T connection with 2 outlets in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapters for multilayer pipe


ART. 5501

Code	size	Ø pipe	€	box	pack
5501 1265193	1/2"	14x2	10,09	20	200
5501 1258190	1/2"	16x2	10,09	20	200
5501 1258200	1/2"	16x2,25	10,09	20	200
5501 1244191	1/2"	18x2	10,27	20	200
5501 1280204	1/2"	20x2	10,61	20	200
5501 1280192	1/2"	20x2,25	10,61	20	200
5501 1280201	1/2"	20x2,5	10,61	20	200

Chrome-plated male T connection with 2 outlets in stamped brass.

- Fitting body in CW617N stamped brass
- Complete with adapters for multilayer pipe


ART. 5511

Code	size	Ø pipe	€	box	pack
5511 1265193	1/2"	14x2	10,61	20	200
5511 1258190	1/2"	16x2	10,61	20	200
5511 1258200	1/2"	16x2,25	10,61	20	200
5511 1244191	1/2"	18x2	10,83	20	200
5511 1280204	1/2"	20x2	11,18	20	200
5511 1280192	1/2"	20x2,25	11,18	20	200
5511 1280201	1/2"	20x2,5	11,18	20	200

Brass bent connection for domestic services.

- Fixing holes for ART. 9001
- Fitting body in CW617N stamped brass
- Complete with adapter for multilayer pipe


ART. 5601

Code	size	Ø pipe	€	box	pack
5601 1265193	1/2"	14x2	7,23	20	200
5601 1258190	1/2"	16x2	7,23	20	200
5601 1258200	1/2"	16x2,25	7,23	20	200
5601 1244191	1/2"	18x2	7,36	20	200
5601 1280204	1/2"	20x2	7,53	20	200
5601 1280192	1/2"	20x2,25	7,53	20	200
5601 1280201	1/2"	20x2,5	7,53	20	200

SIMPLYFAR - Chrome plated extensible and repair joint

- Body made of brass CW614N
- Interchangeable connections for copper, plastic and multilayer pipes
- EPDM double sealing O-ring
- Suitable for underfloor installation

SIMPLYFAR
repair joint

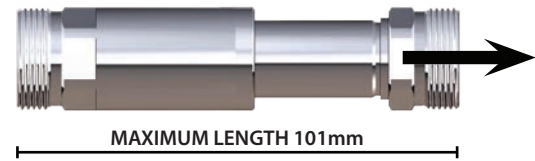


ART. 8880



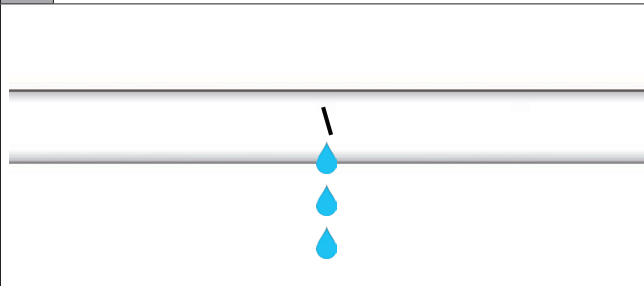
Code	extension	size	€	box	pack
8880 30	72-101 mm	24x19	14,37	5	-

The extensible FAR connection with interchangeable connections can be used as a repair joint in case of leaks or damaged pipes and, if needed, as an extension with a maximum expansion of 101 mm.

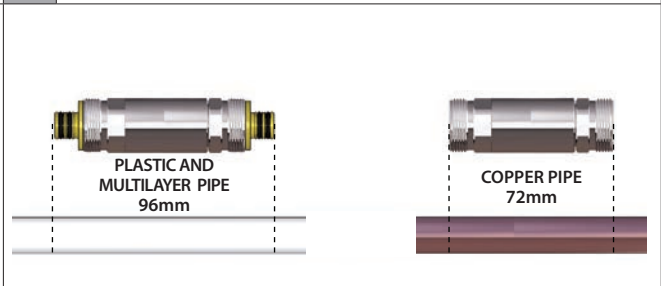


INSTALLATION

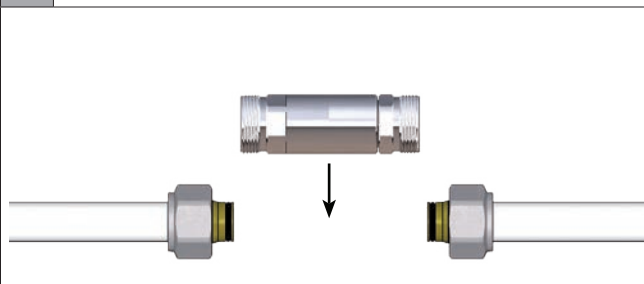
1 Find the leakage on the pipe



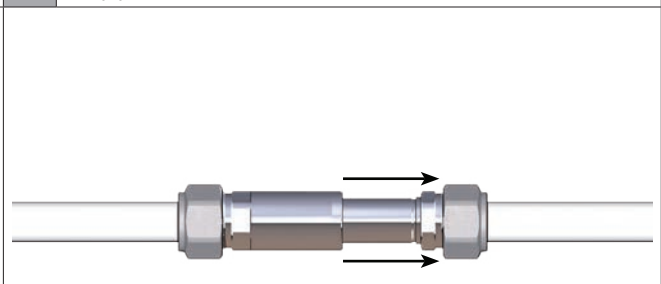
2 Cut the portion of damaged pipe taking the following dimensions as a reference.



3 Insert the adapters and place the joint.



4 Extend the joint until it's completely screwed in and connected to the pipe



- Brass elbow with female connections.
- Body made of CW617N forged brass
 - BSP threading


ART. 5255

Code	size	€	box	pack
5255 12	1/2"	2,73	-	-
5255 34	3/4"	3,83	-	-
5255 1	1"	6,99	-	-
5255 114	1"1/4	11,03	-	-
5255 112	1"1/2	16,28	-	-
5255 2	2"	26,34	-	-

- Brass "T" fitting with female connections.
- Body made of CW617N forged brass
 - BSP threading


ART. 5405

Code	size	€	box	pack
5405 12	1/2"	3,42	-	-
5405 34	3/4"	4,72	-	-
5405 1	1"	8,89	-	-
5405 114	1"1/4	13,45	-	-
5405 112	1"1/2	20,91	-	-
5405 2	2"	30,45	-	-

Code	Description	size	gasket	€	box
5000 38G18	BRASS MALE FITTING	3/8"x18	Rubber	3,55	50
5000 12G18	BRASS MALE FITTING	1/2"x18	Rubber	3,36	50
5000 34G18	BRASS MALE FITTING	3/4"x18	Rubber	3,98	25
5000 34G20	BRASS MALE FITTING	3/4"x20	Rubber	5,44	25
5000 34G22	BRASS MALE FITTING	3/4"x22	Rubber	5,44	25
5000 1G18	BRASS MALE FITTING	1"x18	Rubber	6,10	25
5000 1G20	BRASS MALE FITTING	1"x20	Rubber	7,19	25
5000 1G22	BRASS MALE FITTING	1"x22	Rubber	7,19	25
5010 38G18	CHROME-PLATED MALE FITTING	3/8"x18	Rubber	3,83	50
5010 12G18	CHROME-PLATED MALE FITTING	1/2"x18	Rubber	3,65	50
5010 34G18	CHROME-PLATED MALE FITTING	3/4"x18	Rubber	4,29	25
5010 34G20	CHROME-PLATED MALE FITTING	3/4"x20	Rubber	5,77	25
5010 34G22	CHROME-PLATED MALE FITTING	3/4"x22	Rubber	5,77	25
5010 1G18	CHROME-PLATED MALE FITTING	1"x18	Rubber	6,57	25
5010 1G20	CHROME-PLATED MALE FITTING	1"x20	Rubber	7,69	25
5010 1G22	CHROME-PLATED MALE FITTING	1"x22	Rubber	7,69	25
5050 38G18	BRASS FEMALE FITTING	3/8"x18	Rubber	3,55	50
5050 12G18	BRASS FEMALE FITTING	1/2"x18	Rubber	3,36	50
5050 34G18	BRASS FEMALE FITTING	3/4"x18	Rubber	4,08	25
5050 34G20	BRASS FEMALE FITTING	3/4"x20	Rubber	5,27	25
5050 34G22	BRASS FEMALE FITTING	3/4"x22	Rubber	5,27	25
5050 1G18	BRASS FEMALE FITTING	1"x18	Rubber	6,10	25
5050 1G20	BRASS FEMALE FITTING	1"x20	Rubber	7,19	25
5050 1G22	BRASS FEMALE FITTING	1"x22	Rubber	7,19	25
5060 38G18	CHROME-PLATED FEMALE FITTING	3/8"x18	Rubber	3,75	50
5060 12G18	CHROME-PLATED FEMALE FITTING	1/2"x18	Rubber	3,64	50
5060 34G18	CHROME-PLATED FEMALE FITTING	3/4"x18	Rubber	4,39	25
5060 34G20	CHROME-PLATED FEMALE FITTING	3/4"x20	Rubber	5,60	25
5060 34G22	CHROME-PLATED FEMALE FITTING	3/4"x22	Rubber	5,60	25
5060 1G18	CHROME-PLATED FEMALE FITTING	1"x18	Rubber	6,53	25
5060 1G20	CHROME-PLATED FEMALE FITTING	1"x20	Rubber	7,67	25
5060 1G22	CHROME-PLATED FEMALE FITTING	1"x22	Rubber	7,67	25
5100 12G18	BRASS DOUBLE FITTING	1/2"x18	Rubber	5,33	25
5100 34G20	BRASS DOUBLE FITTING	3/4"x20	Rubber	8,01	15
5100 34G22	BRASS DOUBLE FITTING	3/4"x22	Rubber	8,01	15
5110 12G18	CHROME-PLATED DOUBLE FITTING	1/2"x18	Rubber	5,76	25
5110 34G20	CHROME-PLATED DOUBLE FITTING	3/4"x20	Rubber	8,61	15
5110 34G22	CHROME-PLATED DOUBLE FITTING	3/4"x22	Rubber	8,61	15
5250 12G18	BRASS MALE ELBOW	1/2"x18	Rubber	4,74	25
5250 34G18	BRASS MALE ELBOW	3/4"x18	Rubber	5,55	25
5250 34G20	BRASS MALE ELBOW	3/4"x20	Rubber	7,66	20
5250 34G22	BRASS MALE ELBOW	3/4"x22	Rubber	7,66	20
5250 1G18	BRASS MALE ELBOW	1"x18	Rubber	7,06	15
5250 1G20	BRASS MALE ELBOW	1"x20	Rubber	9,43	15
5250 1G22	BRASS MALE ELBOW	1"x22	Rubber	9,43	15
5260 12G18	CHROME-PLATED MALE ELBOW	1/2"x18	Rubber	5,16	25
5260 34G18	CHROME-PLATED MALE ELBOW	3/4"x18	Rubber	5,59	25
5260 34G20	CHROME-PLATED MALE ELBOW	3/4"x20	Rubber	8,28	20
5260 34G22	CHROME-PLATED MALE ELBOW	3/4"x22	Rubber	8,28	20
5260 1G18	CHROME-PLATED MALE ELBOW	1"x18	Rubber	7,67	15
5260 1G20	CHROME-PLATED MALE ELBOW	1"x20	Rubber	10,07	15
5260 1G22	CHROME-PLATED MALE ELBOW	1"x22	Rubber	10,07	15
5300 12G18	BRASS FEMALE ELBOW	1/2"x18	Rubber	4,71	25

Code	Description	size	gasket	€	box
5300 34G18	BRASS FEMALE ELBOW	3/4"x18	Rubber	5,54	25
5300 34G20	BRASS FEMALE ELBOW	3/4"x20	Rubber	8,14	20
5300 34G22	BRASS FEMALE ELBOW	3/4"x22	Rubber	8,14	20
5300 1G18	BRASS FEMALE ELBOW	1"x18	Rubber	8,33	15
5300 1G20	BRASS FEMALE ELBOW	1"x20	Rubber	9,43	15
5300 1G22	BRASS FEMALE ELBOW	1"x22	Rubber	9,43	15
5310 12G18	CHROME-PLATED FEMALE ELBOW	1/2"x18	Rubber	5,15	25
5310 34G18	CHROME-PLATED FEMALE ELBOW	3/4"x18	Rubber	6,17	25
5310 34G20	CHROME-PLATED FEMALE ELBOW	3/4"x20	Rubber	8,80	20
5310 34G22	CHROME-PLATED FEMALE ELBOW	3/4"x22	Rubber	8,80	20
5310 1G18	CHROME-PLATED FEMALE ELBOW	1"x18	Rubber	8,94	15
5310 1G20	CHROME-PLATED FEMALE ELBOW	1"x20	Rubber	10,07	15
5310 1G22	CHROME-PLATED FEMALE ELBOW	1"x22	Rubber	10,07	15
5350 12G18	BRASS DOUBLE ELBOW	1/2"x18	Rubber	5,99	25
5350 34G20	BRASS DOUBLE ELBOW	3/4"x20	Rubber	11,24	10
5350 34G22	BRASS DOUBLE ELBOW	3/4"x22	Rubber	11,24	10
5360 12G18	CHROME-PLATED DOUBLE ELBOW	1/2"x18	Rubber	6,57	25
5360 34G20	CHROME-PLATED DOUBLE ELBOW	3/4"x20	Rubber	12,07	10
5360 34G22	CHROME-PLATED DOUBLE ELBOW	3/4"x22	Rubber	12,07	10
5400 12G18	BRASS "T" CONNECTION WITH 3 SINGLE-TAPERS	1/2"x18	Rubber	8,50	10
5400 34G20	BRASS "T" CONNECTION WITH 3 SINGLE-TAPERS	3/4"x20	Rubber	14,78	10
5400 34G22	BRASS "T" CONNECTION WITH 3 SINGLE-TAPERS	3/4"x22	Rubber	14,78	10
5410 12G18	CHROME-PLATED "T" CONNECTION WITH 3 SINGLE-TAPERS	1/2"x18	Rubber	9,16	10
5410 34G20	CHROME-PLATED "T" CONNECTION WITH 3 SINGLE-TAPERS	3/4"x20	Rubber	15,96	10
5410 34G22	CHROME-PLATED "T" CONNECTION WITH 3 SINGLE-TAPERS	3/4"x22	Rubber	15,96	10
5450 12G18	BRASS FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1/2"x18	Rubber	6,87	20
5450 34G18	BRASS FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4"x18	Rubber	9,28	20
5450 34G20	BRASS FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4"x20	Rubber	11,90	10
5450 34G22	BRASS FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4"x22	Rubber	11,90	10
5450 1G22	BRASS FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1"x22	Rubber	13,17	10
5460 12G18	CHROME-PLATED FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1/2"x18	Rubber	7,89	20
5460 34G18	CHROME-PLATED FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4"x18	Rubber	10,79	20
5460 34G20	CHROME-PLATED FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4"x20	Rubber	12,89	10
5460 34G22	CHROME-PLATED FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4"x22	Rubber	12,89	10
5460 1G22	CHROME-PLATED FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1"x22	Rubber	14,17	10
5500 12G18	BRASS MALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1/2"x18	Rubber	6,82	20
5510 12G18	CHROME-PLATED MALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1/2"x18	Rubber	7,36	20
5550 12G18	BRASS FEMALE WALL CONNECTION	1/2"x18	Rubber	5,91	20
5555 12G18	CHROME-PLATED FEMALE WALL CONNECTION	1/2"x18	Rubber	6,46	20
5555 34G18	CHROME-PLATED FEMALE WALL CONNECTION	3/4"x18	Rubber	7,80	20



11

Spare parts

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Manual control for all thermostatic valves.
• Handle and support included


ART. 1950

Code	€	box
1950	0,82	10

Regulating handle for radiator valves
(Art. 1050-1250-1150-1350-1585-1590).


ART. 8100

Code	size	€	box
8100 1238	1/2"-3/8"	0,64	10
8100 34	3/4"	0,94	10
8100 1	1"	1,03	10

Handle for manual single-pipe valves.
(Art. 1455-1463-1473).


ART. 8110

Code	€	box
8110	0,65	10

Regulating handle for Art. 1450.


ART. 8125

Code	€	box
8125	0,64	10

Regulating handle Art. 1451.


ART. 8126

Code	€	box
8126	0,48	10

Regulating handle for Art. 1550.


ART. 8130

Code	€	box
8130	0,94	10

Manual control for filling unit
(Art. 2100-2105-2106-2110).


ART. 8140

Code	€	box
8140	0,42	10

Manual control for MULTIFAR manifolds.


ART. 8980

Code	€	box
8980	0,64	10

Manual control for THERMO-ELECTRIC manifolds.


ART. 8990

Code	€	box
8990	0,64	10

Manual control for thermostatic mixer
• Art. 8120 N (Art. 3950-3956-3957)
• Art. 8120 A (Art. 3953-3954-3955)

ART. 8120

Code	colour	€	box
8120 N	black	4,65	10
8120 A	orange	4,65	10



Manual control for START manifolds.


ART. 8981

Code	€	box
8981	0,68	10

Chrome-plated covering cap for articles:
(Art.1116-1117-1126-1127-1136-1137-1146-1147-1420-1430-1431-1432-1433-1435-1436-1437-1438-3458-3459-3859-3860-3869-3870-3872-3873-3875-3876-3900-3901-3905-3906-3920-3927).


ART. 8405

Code	€	box
8405	1,16	10

Chrome-plated covering cap in stamped brass for:
Art.1100-1111-1200-1211-1300-1311-1400-1411-1440-1550-1575.


ART. 8400

Code	size	€	box
8400 1238	1/2"-3/8"	1,35	10
8400 34	3/4"	1,83	10
8400 1	1"	2,47	10

Plastic covering cap for:
(Art.1421-1422-1423-1424-1481-1482-1483-1484-1105-1215-1305-1415).


ART. 8406

Code	€	box
8406	0,18	10

Brass body for thermostatic valves.



ART. 9000

Code	€	box
9000	3,19	10

Stainless steel pin with O-ring for thermostatic valve body and thermo-electric manifolds.



ART. 9050

Code	€	box
9050	0,89	10

Brass body for thermostatic valves with presetting.



ART. 9006

Code	€	box
9006	5,14	10

Brass body for manual valves.
(Art. 1050-1051-1150-1151)
(Art. 1250-1251-1350-1351)



ART. 9010

Code	size	€	box
9010 1238	1/2" - 3/8"	2,90	10
9010 34	3/4"	4,20	10

Brass body for lockshield valves.
(Art. 1100-1111-1200-1211)
(Art. 1300-1311-1400-1411-1550)



ART. 9205

Code	size	€	box
9205 1238	1/2" - 3/8"	2,23	10
9205 34	3/4"	3,54	10

Brass body for thermostatic SINGLE/DOUBLE PIPE valves with centre distance between ports.
(Art. 1425-1428)



ART. 9009

Code	€	box
9009	3,95	10

Brass body for THERMO-ELECTRIC manifolds.



ART. 9140

Code	€	box
9140	3,54	10

Brass body for MULTIFAR manifolds with manual control.



ART. 9150

Code	€	box
9150	1,88	10

Brass body for MULTIFAR manifolds with built-in regulating valves.



ART. 9200

Code	€	box
9200	1,75	10

Brass balancing lockshield valve body for THERMO-ELECTRIC and MULTIFAR manifolds.



ART. 9203

Code	€	box
9203	2,84	10

Brass body for START manifolds.



ART. 9145

Code	size	€	box
9145 114112	1"1/4 - 1"1/2	5,29	10
9145 2	2"	8,03	10

Flow separator for SINGLE-PIPE thermostatic valves. (Art. 1420)

- Complete with EPDM gasket


ART. 8229

Code	€	box
8229	0,45	10

Flow separator for Art.1450-1462-1472-1500-1550-1600.

- Complete with EPDM gasket


ART. 8200

Code	€	box
8200	0,55	10

Flow separator for reversible union, Art. 8335-8336.


ART. 8220

Code	€	box
8220	0,31	10

Flow separator for DOUBLE-PIPE and SINGLE-PIPE thermostatic valves.

(Art.1425-1430-1442-1455-1456-1463-1473)

- Complete with EPDM gasket


ART. 8225

Code	€	box
8225	0,45	10

Flow separator for DOUBLE-PIPE and SINGLE-PIPE thermostatic valves (Art.1438).

- Complete with EPDM gasket


ART. 8226

Code	€	box
8226	0,45	10

Flow separator for SINGLE-PIPE manual valves. (Art. 1451-1452).

- Complete with EPDM gasket


ART. 8227

Code	€	box
8227	0,45	10

Flow separator for DOUBLE-PIPE and SINGLE-PIPE thermostatic valves with adjustable centre distance (Art.1428).

- Complete with EPDM gasket


ART. 8228

Code	€	box
8228	0,55	10

Flow separator for DOUBLE-PIPE valves (Art.1431-1432-1433)


ART. 8230

Code	€	box
8230	0,18	10

Flow separator for DOUBLE-PIPE and SINGLE-PIPE valves. (Art. 1435-1436-1437)


ART. 8231

Code	€	box
8231	0,42	10

Nut in stamped brass.



Chrome-plated nut in stamped brass.

- Size 1" for Art. 1420 - 1425- 1428 - 1430

ART. 8240

Code	size	€	box
8240 12	1/2"	0,98	10
8240 34	3/4"	1,11	10
8240 1	1"	1,98	10
8240 114	1"1/4	3,48	10
8240 112	1"1/2	4,62	10
8240 2	2"	9,18	10
8240 214	2"1/4	10,21	10

Size 1/2"	for Art.	5140-5150-5190-5200	size 3/8"
Size 3/4"	for Art.	5140-5150-5190-5200-2100	size 1/2"
Size 1"	for Art.	5140-5150-5190-5200	size 3/4"
Size 1"1/4	for Art.	5140-5150-5190-5200	size 1"
Size 1"1/2	for Art.	5140-5150-5190-5200	size 1"1/4
Size 2"	for Art.	5140-5150-5190-5200	size 1"1/2
Size 2"1/4	for Art.	5140-5150-5190-5200	size 2"

ART. 8250

Code	size	€	box
8250 12	1/2"	1,03	10
8250 34	3/4"	1,27	10
8250 1	1"	2,16	10
8250 114	1"1/4	3,67	10
8250 112	1"1/2	4,84	10
8250 2	2"	9,50	10
8250 214	2"1/4	10,49	10

Chrome-plated nut in stamped brass for SINGLE-PIPE and DOUBLE-PIPE thermostatic valves (Art. 1433-1435-1436-1437).



ART. 8253

Code	size	€	box
8253 34	3/4"	1,27	10

Chrome-plated nut in stamped brass for Art. 1450-1462-1472-1500-1550-1600.



ART. 8150

Code	size	€	box
8150	1"1/4	2,82	10

Chrome-plated nut in brass for manual valves, lockshield valves and thermostatic valves.

- Art. 8260 12 for 3/8" valves
- Art. 8260 34 for 1/2" valves
- Art. 8260 1 for 3/4" valves



ART. 8260

Code	thread nut	€	box
8260 12	M22x1,5	1,03	10
8260 34	M26x1,5	1,27	10
8260 1	M34x1,5	2,26	10

Nut in stamped brass for 24x19 threaded copper pipe connections.



ART. 8270

Code	size	€	box
8270 16	Ø 16	0,98	10
8270 18	Ø 18	0,98	10
8270 20	Ø 20	0,98	10

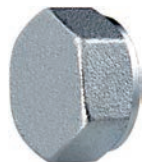
Chrome-plated nut in stamped brass for 24x19 threaded copper pipe connections.



ART. 8280

Code	size	€	box
8280 16	Ø 16	1,07	10
8280 18	Ø 18	1,07	10
8280 20	Ø 20	1,07	10

Chrome-plated plug for manual valves, lockshield valves and thermostatic valves. Complete with gasket.



ART. 4110

Code	size	€	box
4110 12	1/2"	1,65	10
4110 34	3/4"	2,05	10

Chrome-plated connection in stamped brass for Art. 1450-1550.

- D = RIGHT THREAD
- S = LEFT THREAD



ART. 8300

Code	probe	size	€	box
8300 1212	Ø 12	1/2"	3,50	10
8300 3412	Ø 12	3/4"	3,79	10
8300 3414	Ø 14	3/4"	3,79	10
8300 114D	Ø 14	1"	4,19	10
8300 114S	Ø 14	1"	4,19	10

Chrome-plated connection in stamped brass for Art. 1450-1550 for bent probe (Art. 8050-8051).



ART. 8310

Code	size	€	box
8310 12	1/2"	3,50	10

Chrome-plated connection in stamped brass for Art. 1420 - 1425- 1428 - 1430 -1438 size 1".

- D = RIGHT THREAD
- S = LEFT THREAD



ART. 8324

Code	probe	size	€	box
8324 1D	Ø 12	1"	6,39	10
8324 1S	Ø 12	1"	6,39	10

Chrome-plated connection in stamped brass for DOUBLE-PIPE and SINGLE-PIPE thermostatic valves. (Art.1420-1425-1428-1430-1438-1451-1455-1456)


ART. 8325

Code	size	€	box
8325 12	1/2"	2,39	10
8325 34	3/4"	3,01	10

Chrome-plated connection in stamped brass for DOUBLE-PIPE and SINGLE-PIPE thermostatic valves (Art.1420-1425-1428-1430-1438-1451-1455-1456)
 • to be used with bent curve probe (Art. 8050- 8051)


ART. 8326

Code	size	€	box
8326 12	1/2"	2,39	10

Chrome-plated connection in stamped brass for SINGLE-PIPE and DOUBLE-PIPE thermostatic valves (Art. 1433-1435-1436-1437).


ART. 8327

Code	size	€	box
8327 12	1/2"	2,39	10

Brass flat-faced terminal for pressure reducing valves and strainers.


ART. 8770

Code	size	€	box
8770 12	1/2"	1,62	10
8770 34	3/4"	2,27	10
8770 1	1"	3,76	10
8770 114	1"1/4	5,37	10

Chrome-plated flat faced terminal for zone valves, filling units, pressure reducing valves and strainers for domestic systems.


ART. 8780

Code	size	€	box
8780 12	1/2"	1,79	10
8780 34	3/4"	2,39	10
8780 1	1"	4,11	10
8780 114	1"1/4	5,77	10

Terminal provided with EPDM gasket with nut.


ART. 8783

Code	terminal size	thread nut	€	box
8783 38	3/8"	M22x1,5	3,21	10
8783 12	1/2"	M26x1,5	4,77	10
8783 34	3/4"	M34x1,5	7,00	10

Brass terminal for 3-piece connections.


ART. 8790

Code	size	€	box
8790 38	3/8"	0,98	10
8790 12	1/2"	1,71	10
8790 34	3/4"	2,53	10
8790 1	1"	4,38	10
8790 114	1"1/4	6,19	10
8790 112	1"1/2	10,68	10
8790 2	2"	15,94	10

Chrome-plated brass terminal for 3-piece connections.


ART. 8800

Code	size	€	box
8800 38	3/8"	1,01	10
8800 12	1/2"	1,76	10
8800 34	3/4"	2,70	10
8800 1	1"	4,58	10
8800 114	1"1/4	6,46	10
8800 112	1"1/2	11,12	10
8800 2	2"	16,63	10

Terminal provided with Loctite® Dri-Seal® 5061 for valves and lockshield valves.


ART. 8803

Code	size	€	box
8803 38	3/8"	1,18	10
8803 12	1/2"	1,93	10

1/2" brass reduction connection for strainer, ART. 3930 34.

- For 1" nut


ART. 8781

Code	size	€	box
8781 12	1/2"	2,23	10

Chrome-plated 1/2" brass reduction connection for strainer, ART. 3932 34.

- For 1" nut


ART. 8782

Code	size	€	box
8782 12	1/2"	2,39	10

M6 STAINLESS STEEL screw for flanged manifolds and supports for metal brackets.

**ART. 8560**

Code	€	box
8560	0,29	10

Allen screw for coplanar manifold. (Art.3750-3751).

**ART. 8550**

Code	€	box
8550	0,38	10

STAINLESS STEEL self-tapping screws for "TUTTO" boxes, supports for manifold and ACQUAFAR fittings.

- 8555 10 for Art. 5650-5700-5750-5840-5845-5850
- 8555 32 for Art. 7480-7490-7500-7510-7550
- 8555 38 for Art. 6140-6141-7410-7420-7425-7450-7460

**ART. 8555**

Code	length/mm	Ø	€	box
8555 10	10	3,9	0,14	10
8555 32	32	3,9	0,18	10
8555 38	38	3,9	0,21	10

Chrome-plated screw for regulating handle (Art. 8100-8125-8130-8126-8980-8981).

**ART. 8750**

Code	size	€	box
8750	3/16	0,12	10

Pipe guide brass washer for copper pipe.

**ART. 8575**

Code	size	€	box
8575 10	Ø 10	0,15	10
8575 12	Ø 12	0,15	10
8575 14	Ø 14	0,15	10

Reduction in brass for copper pipe locking.

**ART. 8600**

Code	size	€	box
8600 10	Ø 10	0,40	10
8600 12	Ø 12	0,40	10
8600 14	Ø 14	0,40	10
8600 15	Ø 15	0,40	10
8600 16	Ø 16	0,40	10
8600 18	Ø 18	0,40	10
8600 20	Ø 20	0,49	10
8600 22	Ø 22	0,49	10

Reduced reduction in brass for copper pipe locking for Art. 5065-5075-5080-5085-5090.

**ART. 8625**

Code	size	€	box
8625 8	Ø 8	0,18	10
8625 10	Ø 10	0,18	10
8625 12	Ø 12	0,18	10

Brass pipe clamping ring for fittings for plastic and multilayer pipe.

**ART. 6070**

Code	size	€	box
6070 58	Ø 16	0,52	10
6070 80	Ø 20	0,52	10

Sealing seats for 3-piece connections.

**ART. 8700**

Code	size	€	box
8700 38	3/8"	0,31	10
8700 12	1/2"	0,38	10
8700 34	3/4"	0,58	10
8700 1	1"	1,03	10
8700 114	1"1/4	1,71	10
8700 112	1"1/2	1,71	10
8700 2	2"	1,71	10

EPDM gasket for zone valves, filling units, pressure reducing valves and strainers for domestic systems.

**ART. 8722**

Code	size	€	box
8722 12	1/2'	0,17	10
8722 34	3/4"	0,23	10
8722 1	1"	0,31	10
8722 114	1"1/4	0,36	10
8722 112	1"1/2	0,68	10
8722 2	2"	0,81	10
8722 214	2"1/4	0,91	10

Spare gasket.

- Code 8724 30 for Art. 8225
- Code 8724 39 for Art. 8200

**ART. 8724**

Code	size	€	box
8724 30	Ø 30	0,14	-
8724 39	Ø 39	0,16	-

Gold gasket for zone valves, filling units, pressure reducing valves and strainers for domestic systems.

**ART. 8725**

Code	size	€	box
8725 34	3/4"	0,18	10
8725 1	1"	0,21	10
8725 114	1"1/4	0,29	10
8725 112	1"1/2	0,31	10

Plastic lever for actuator complete with screw.

- 8977 N for art. 3005-3006-3007-3008
- 8977 R for art. 3010-3011

**ART. 8977**

Code	colour	€	box
8977 N	black	0,68	-
8977 R	red	0,68	-

Sealing washer in nylon for blind plugs.
(Art. 4000-4099-4100)



ART. 8727

Code	size	€	box
8727 12	1/2"	0,17	10
8727 34	3/4"	0,18	10
8727 1	1"	0,19	10
8727 114	1"1/4	0,22	10
8727 112	1"1/2	0,30	10
8727 2	2"	0,35	10

Filter for filling unit.
(Art. 2100 -2105 - 2106 - 2110).



ART. 8500

Code	€	box
8500	1,38	10

Rubber compression single-taper for copper pipe.



ART. 8450

Code	size	€	box
8450 10	Ø 10	0,35	10
8450 12	Ø 12	0,35	10
8450 14	Ø 14	0,35	10
8450 15	Ø 15	0,35	10
8450 16	Ø 16	0,35	10
8450 18	Ø 18	0,35	10
8450 20	Ø 20	0,53	10
8450 22	Ø 22	0,53	10

Compression reduced single-taper in rubber for copper pipe for Art. 5065-5070-5075 5080-5085-5090.



ART. 8475

Code	size	€	box
8475 8	Ø 8	0,28	10
8475 10	Ø 10	0,28	10
8475 12	Ø 12	0,28	10

Spare O-ring.

- 28/24 for Art 3750-3751 size. 3/4"
- 34/59 for Art 3750-3710-3410-3441-3443-3445-3916-3915-3914-3751 size 1"



ART. 8350

Code	size	€	box
8350 2824	28/24	0,48	10
8350 3459	34/59	0,64	10

Kit for MULTIFAR manifolds complete with handle, discs and screws.



ART. 8985

Code	€	box
8985 0316	1,28	1

BLUE-RED double face disc for MULTIFAR manifolds.



ART. 8950

Code	€	box
8950 03	0,29	10

Double face disc for manifolds with descriptions for domestic and heating systems.



ART. 8975

Code	€	box
8975 16	0,29	10

Silk-screen printed disc for Art. 1550.



ART. 8655

Code	€	box
8655	0,29	10

Threaded metal probe for single-pipe valves.



ART. 8000

Code	length/cm	Ø	€	box
8000 1045	45	10	1,47	1
8000 1070	70	10	3,84	1
8000 10100	100	10	4,17	1
8000 1245	45	12	1,74	1
8000 1270	70	12	4,08	1
8000 12100	100	12	4,53	1
8000 1445	45	14	1,98	1
8000 1470	70	14	4,24	1
8000 14100	100	14	4,69	1

Single-panel bent probe for panel radiators.



ART. 8050

Code	type	Ø	€	box
8050	1 rank	11	3,49	1

Double-panel bent probe for panel radiators.



ART. 8051

Code	type	Ø	€	box
8051	2 ranks	11	3,49	1

Polygonal open wrench for 27 hexagon nuts.

- galvanized finish



ART. 6000

Code	size	€	box
6000	ES 27	15,18	1

Case complete with:

- Polygonal wrench for 27 hexagonal nuts
- Ratchet wrench for 3/8"-1/2"-3/4" terminals



ART. 7405

Code	€	box
7405	57,09	1

Double hexagonal wrench for 30-38 hexagon nuts.

- galvanized finish



ART. 6001

Code	size	€	box
6001	ES 30-38	26,88	1

Polygonal open wrench for 27-30 hexagon nuts.

- galvanized finish
- CH 27 for 24x19 nuts
- CH 30 for 3/4" nuts for eurokonus adapters



ART. 6004

Code	size	€	box
6004	ES 27-30	24,40	1

Allen key for regulation of lockshield valves and fixing terminals to radiators.

- Hex. 5 wrench : Coplanar manifolds
- Hex. 9 wrench : 3/8" terminal
- Hex. 13 wrench : 1/2" terminal



ART. 6250

Code	size	€	box
6250 5	ES 5	1,53	1
6250 9	ES 9	3,15	1
6250 13	ES 13	4,03	1

Key with square head for air vent valves
Art. 6010-6020



ART. 6300

Code	size	€	box
6300	5	0,90	1



12

Manifolds with Eurokonus or flat faced connection

	page
Thermo-electric manifolds	279
Set point regulating unit	288
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MANIFOLDS SUITABLE FOR THERMO-ELECTRIC ACTUATORS – RETURN CIRCUIT



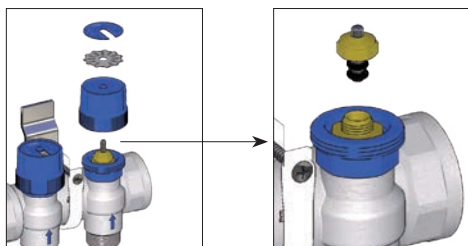
The special shape of FAR manifolds facilitates high flow rates by reducing flow resistance. This special feature permits optimum choice of manifold diameter in relation to the number of circuits to be connected.



Thermo-electric actuator installation

Screw the thermo-electric actuator by hand and tighten the ring.

Do not use plumbing wrenches, tongs or other similar tools.



The return manifolds is equipped with a blue handle and two silk-screen printed discs for circuit identification.

A thermo-electric actuator can be fixed to the manifold once the blue handle is removed.

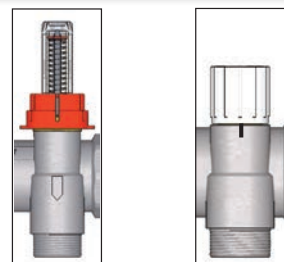
Thanks to the simple safety system, it is possible to replace the double O-ring seal of the body, without any need to drain the system.

MANIFOLDS WITH LOCKSHIELD VALVES OR FLOWMETERS - SUPPLY CIRCUIT

The supply manifold is equipped with a micrometric regulation system, with which it is possible to regulate or shut off flow within the system.

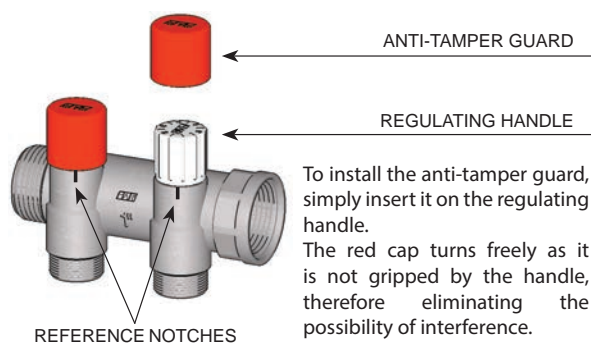
FAR offers two different versions:

- one provided with flowmeters for flow-rate control
- one provided with a new balancing body



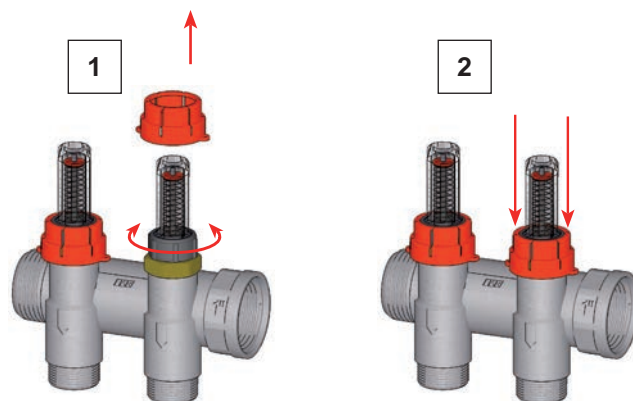
BALANCING LOCKSHIELD VALVES

Adjustment is carried out by means of the handle indicating the reference numbers. The handle stroke is less than 360° and ranges between position 0 (lockshield valve fully closed) and 5.5 (lockshield valve fully open). The handle position is easily identified by the reference notches on the manifold.



FLOWMETERS

To fully open and then balance the flowmeters, remove the anti-tampering device and turn the regulating valve clockwise to decrease flow, or counterclockwise to increase it (picture No. 1). Once balancing has been completed, lock the flowmeter again with the anti-tampering device (picture No. 2).



ADAPTERS

With the aid of the appropriate sealing kit it is possible to connect a variety of types of pipe to the manifolds using EUROKONUS adapters.



Art. 6076 - Adapter for multilayer pipe



Art. 6075 - Adapter for plastic pipe

Chrome-plated brass FLANGED modular return manifold.

- Body made of CB753S brass
- Built-in shut-off valves suitable for thermo-electric actuators
- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Centre distance between ports: mm.50



ART. 3917

Code	outlets	size	€	box
3917 13402	2	1"x3/4"	38,29	1
3917 13403	3	1"x3/4"	53,04	1
3917 13404	4	1"x3/4"	77,48	1
3917 13405	5	1"x3/4"	91,96	1
3917 13406	6	1"x3/4"	106,60	1
3917 13407	7	1"x3/4"	131,47	1
3917 13408	8	1"x3/4"	145,90	1
3917 13409	9	1"x3/4"	160,71	1
3917 13410	10	1"x3/4"	185,52	1
3917 13411	11	1"x3/4"	200,02	1
3917 13412	12	1"x3/4"	214,29	1

Chrome-plated brass FLANGED modular delivery manifold.

- Body made of CB753S brass
- Built-in balancing lockshield valves
- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Centre distance between ports: mm.50
- Patented



ART. 3918

Code	outlets	size	€	box
3918 13402	2	1"x3/4"	33,26	1
3918 13403	3	1"x3/4"	45,56	1
3918 13404	4	1"x3/4"	67,47	1
3918 13405	5	1"x3/4"	79,42	1
3918 13406	6	1"x3/4"	91,61	1
3918 13407	7	1"x3/4"	113,94	1
3918 13408	8	1"x3/4"	125,93	1
3918 13409	9	1"x3/4"	138,18	1
3918 13410	10	1"x3/4"	160,52	1
3918 13411	11	1"x3/4"	172,47	1
3918 13412	12	1"x3/4"	184,25	1

Chrome-plated brass FLANGED modular delivery manifold.

- Body made of CB753S brass
- Flowmeters and flow-rate balancing valves
- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50



ART. 3982

Code	outlets	size	€	box
3982 13402	2	1"x3/4"	41,24	1
3982 13403	3	1"x3/4"	57,49	1
3982 13404	4	1"x3/4"	83,37	1
3982 13405	5	1"x3/4"	99,34	1
3982 13406	6	1"x3/4"	115,52	1
3982 13407	7	1"x3/4"	141,83	1
3982 13408	8	1"x3/4"	157,79	1
3982 13409	9	1"x3/4"	174,04	1
3982 13410	10	1"x3/4"	200,37	1
3982 13411	11	1"x3/4"	216,36	1
3982 13412	12	1"x3/4"	232,08	1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:

- Delivery manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480
- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Centre distance between ports: mm.50


ART. 3919

Code	outlets	size	€	box
3919 13402	2	1"x3/4"	80,23	1
3919 13403	3	1"x3/4"	117,07	1
3919 13404	4	1"x3/4"	164,83	1
3919 13405	5	1"x3/4"	191,63	1
3919 13406	6	1"x3/4"	218,51	1
3919 13407	7	1"x3/4"	265,85	1
3919 13408	8	1"x3/4"	292,51	1
3919 13409	9	1"x3/4"	319,14	1
3919 13410	10	1"x3/4"	366,51	1
3919 13411	11	1"x3/4"	393,14	1
3919 13412	12	1"x3/4"	419,83	1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:

- Delivery manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480
- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50


ART. 3983

Code	outlets	size	€	box
3983 13402	2	1"x3/4"	88,22	1
3983 13403	3	1"x3/4"	129,06	1
3983 13404	4	1"x3/4"	180,79	1
3983 13405	5	1"x3/4"	211,61	1
3983 13406	6	1"x3/4"	242,46	1
3983 13407	7	1"x3/4"	293,77	1
3983 13408	8	1"x3/4"	324,41	1
3983 13409	9	1"x3/4"	355,07	1
3983 13410	10	1"x3/4"	406,41	1
3983 13411	11	1"x3/4"	437,04	1
3983 13412	12	1"x3/4"	467,75	1

12 THERMO-ELECTRIC MANIFOLDS

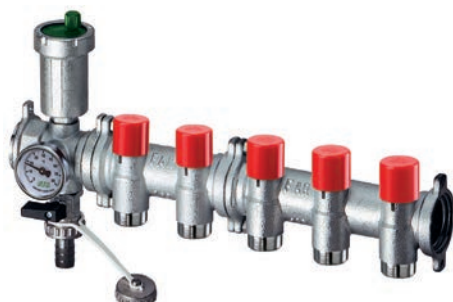
- Chrome-plated brass FLANGED modular manifold complete with:
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
 - Intermediate connection, art. 3445
- Screws and O-rings for connection
 - Connection: 1" female-female
 - Outlets: 3/4" male EUROKONUS
 - Centre distance between ports: mm.50



ART. 3469

Code	outlets	size	€	box
3469 13404	4	1"x3/4"	133,51	1
3469 13405	5	1"x3/4"	148,67	1
3469 13406	6	1"x3/4"	163,82	1
3469 13407	7	1"x3/4"	189,64	1
3469 13408	8	1"x3/4"	204,74	1
3469 13409	9	1"x3/4"	219,85	1
3469 13410	10	1"x3/4"	245,63	1
3469 13411	11	1"x3/4"	260,76	1
3469 13412	12	1"x3/4"	275,88	1

- Chrome-plated brass FLANGED modular manifold complete with:
- Delivery manifold with built-in balancing lockshield valves
 - Intermediate connection, art. 3445
- Screws and O-rings for connection
 - Connection: 1" female-female
 - Outlets: 3/4" male EUROKONUS
 - Centre distance between ports: mm.50
 - Patented



ART. 3470

Code	outlets	size	€	box
3470 13404	4	1"x3/4"	123,16	1
3470 13405	5	1"x3/4"	135,69	1
3470 13406	6	1"x3/4"	148,24	1
3470 13407	7	1"x3/4"	171,44	1
3470 13408	8	1"x3/4"	183,94	1
3470 13409	9	1"x3/4"	196,48	1
3470 13410	10	1"x3/4"	219,70	1
3470 13411	11	1"x3/4"	232,22	1
3470 13412	12	1"x3/4"	244,74	1

- Chrome-plated brass FLANGED modular manifold complete with:
- Delivery manifold with flowmeters and flow-rate balancing valves
 - Intermediate connection, art. 3445
- Screws and O-rings for connection
 - Connection: 1" female-female
 - Outlets: 3/4" male EUROKONUS
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50

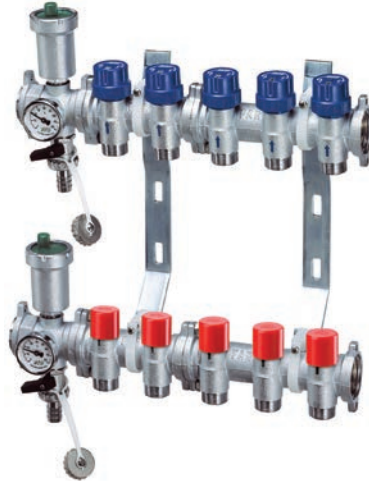


ART. 3582

Code	outlets	size	€	box
3582 13404	4	1"x3/4"	139,07	1
3582 13405	5	1"x3/4"	155,60	1
3582 13406	6	1"x3/4"	172,19	1
3582 13407	7	1"x3/4"	199,35	1
3582 13408	8	1"x3/4"	215,85	1
3582 13409	9	1"x3/4"	232,36	1
3582 13410	10	1"x3/4"	259,57	1
3582 13411	11	1"x3/4"	276,07	1
3582 13412	12	1"x3/4"	292,57	1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:

- Delivery manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3445
- Fixing brackets, art. 7480
- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Centre distance between ports: mm.50


ART. 3471

Code	outlets	size	€	box
3471 13404	4	1"x3/4"	276,01	1
3471 13405	5	1"x3/4"	303,61	1
3471 13406	6	1"x3/4"	331,25	1
3471 13407	7	1"x3/4"	380,37	1
3471 13408	8	1"x3/4"	408,00	1
3471 13409	9	1"x3/4"	435,63	1
3471 13410	10	1"x3/4"	484,76	1
3471 13411	11	1"x3/4"	512,33	1
3471 13412	12	1"x3/4"	540,12	1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:

- Delivery manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3445
- Fixing brackets, art. 7480
- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50


ART. 3583

Code	outlets	size	€	box
3583 13404	4	1"x3/4"	291,99	1
3583 13405	5	1"x3/4"	323,54	1
3583 13406	6	1"x3/4"	355,22	1
3583 13407	7	1"x3/4"	408,32	1
3583 13408	8	1"x3/4"	439,92	1
3583 13409	9	1"x3/4"	471,55	1
3583 13410	10	1"x3/4"	524,69	1
3583 13411	11	1"x3/4"	556,27	1
3583 13412	12	1"x3/4"	588,02	1



ART. 3911

Chrome-plated modular return manifold in CB753S brass.

- Built-in shut-off valves suitable for thermo-electric actuators
- Connection: 1" – 1 1/4" male-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: mm.50

Code	outlets	size	€	box	Code	outlets	size	€	box	Code	outlets	size	€	box
3911 11202	2	1"x1/2"	33,51	1	3911 13402	2	1"x3/4"	33,72	1	3911 1143402	2	1"1/4x3/4"	41,68	1
3911 11203	3	1"x1/2"	48,47	1	3911 13403	3	1"x3/4"	48,80	1	3911 1143403	3	1"1/4x3/4"	58,69	1
3911 11204	4	1"x1/2"	70,47	1	3911 13404	4	1"x3/4"	70,91	1	3911 1143404	4	1"1/4x3/4"	85,84	1
3911 11205	5	1"x1/2"	85,36	1	3911 13405	5	1"x3/4"	85,92	1	3911 1143405	5	1"1/4x3/4"	102,81	1
3911 11206	6	1"x1/2"	100,50	1	3911 13406	6	1"x3/4"	101,17	1	3911 1143406	6	1"1/4x3/4"	119,92	1
3911 11207	7	1"x1/2"	121,33	1	3911 13407	7	1"x3/4"	122,13	1	3911 1143407	7	1"1/4x3/4"	146,44	1
3911 11208	8	1"x1/2"	136,24	1	3911 13408	8	1"x3/4"	137,15	1	3911 1143408	8	1"1/4x3/4"	163,37	1
3911 11209	9	1"x1/2"	151,46	1	3911 13409	9	1"x3/4"	152,49	1	3911 1143409	9	1"1/4x3/4"	180,61	1
3911 11210	10	1"x1/2"	172,29	1	3911 13410	10	1"x3/4"	173,44	1	3911 1143410	10	1"1/4x3/4"	207,13	1
3911 11211	11	1"x1/2"	187,23	1	3911 13411	11	1"x3/4"	188,48	1	3911 1143411	11	1"1/4x3/4"	224,05	1
3911 11212	12	1"x1/2"	201,93	1	3911 13412	12	1"x3/4"	203,29	1	3911 1143412	12	1"1/4x3/4"	240,77	1



ART. 3921

Chrome-plated modular delivery manifold in CB753S brass.

- Built-in balancing lockshield valves
- Connection: 1" – 1 1/4" male-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: mm.50
- Patented

Code	outlets	size	€	box	Code	outlets	size	€	box	Code	outlets	size	€	box
3921 11202	2	1"x1/2"	29,03	1	3921 13402	2	1"x3/4"	29,23	1	3921 1143402	2	1"1/4x3/4"	36,68	1
3921 11203	3	1"x1/2"	41,71	1	3921 13403	3	1"x3/4"	42,06	1	3921 1143403	3	1"1/4x3/4"	51,19	1
3921 11204	4	1"x1/2"	60,46	1	3921 13404	4	1"x3/4"	60,92	1	3921 1143404	4	1"1/4x3/4"	75,83	1
3921 11205	5	1"x1/2"	72,85	1	3921 13405	5	1"x3/4"	73,45	1	3921 1143405	5	1"1/4x3/4"	90,29	1
3921 11206	6	1"x1/2"	85,47	1	3921 13406	6	1"x3/4"	86,15	1	3921 1143406	6	1"1/4x3/4"	104,90	1
3921 11207	7	1"x1/2"	103,80	1	3921 13407	7	1"x3/4"	104,60	1	3921 1143407	7	1"1/4x3/4"	128,92	1
3921 11208	8	1"x1/2"	116,21	1	3921 13408	8	1"x3/4"	117,12	1	3921 1143408	8	1"1/4x3/4"	143,38	1
3921 11209	9	1"x1/2"	128,93	1	3921 13409	9	1"x3/4"	129,97	1	3921 1143409	9	1"1/4x3/4"	158,09	1
3921 11210	10	1"x1/2"	147,29	1	3921 13410	10	1"x3/4"	148,40	1	3921 1143410	10	1"1/4x3/4"	182,09	1
3921 11211	11	1"x1/2"	159,67	1	3921 13411	11	1"x3/4"	160,92	1	3921 1143411	11	1"1/4x3/4"	196,52	1
3921 11212	12	1"x1/2"	171,89	1	3921 13412	12	1"x3/4"	173,27	1	3921 1143412	12	1"1/4x3/4"	210,76	1



ART. 3980

Chrome-plated modular delivery manifold in CB753S brass.

- Flowmeters and flow-rate balancing valves
- Connection: 1" – 1 1/4" male-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50

Code	outlets	size	€	box	Code	outlets	size	€	box	Code	outlets	size	€	box
3980 11202	2	1"x1/2"	36,98	1	3980 13402	2	1"x3/4"	37,23	1	3980 1143402	2	1"1/4x3/4"	44,64	1
3980 11203	3	1"x1/2"	53,67	1	3980 13403	3	1"x3/4"	54,00	1	3980 1143403	3	1"1/4x3/4"	63,14	1
3980 11204	4	1"x1/2"	76,36	1	3980 13404	4	1"x3/4"	76,83	1	3980 1143404	4	1"1/4x3/4"	91,80	1
3980 11205	5	1"x1/2"	92,77	1	3980 13405	5	1"x3/4"	93,33	1	3980 1143405	5	1"1/4x3/4"	110,22	1
3980 11206	6	1"x1/2"	109,35	1	3980 13406	6	1"x3/4"	110,03	1	3980 1143406	6	1"1/4x3/4"	128,83	1
3980 11207	7	1"x1/2"	131,65	1	3980 13407	7	1"x3/4"	132,45	1	3980 1143407	7	1"1/4x3/4"	156,82	1
3980 11208	8	1"x1/2"	148,04	1	3980 13408	8	1"x3/4"	148,95	1	3980 1143408	8	1"1/4x3/4"	175,24	1
3980 11209	9	1"x1/2"	164,75	1	3980 13409	9	1"x3/4"	165,76	1	3980 1143409	9	1"1/4x3/4"	193,95	1
3980 11210	10	1"x1/2"	187,08	1	3980 13410	10	1"x3/4"	188,22	1	3980 1143410	10	1"1/4x3/4"	222,61	1
3980 11211	11	1"x1/2"	203,45	1	3980 13411	11	1"x3/4"	204,70	1	3980 1143411	11	1"1/4x3/4"	240,38	1
3980 11212	12	1"x1/2"	219,64	1	3980 13412	12	1"x3/4"	221,00	1	3980 1143412	12	1"1/4x3/4"	258,59	1

PRE-ASSEMBLED chrome-plated brass manifold complete with:

- Delivery manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480
- Connection: 1"-1 1/4" male-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: mm.50

ART. 3928


Code	outlets	size	€	box
3928 11202	2	1"x1/2"	73,34	1
3928 11203	3	1"x1/2"	110,98	1
3928 11204	4	1"x1/2"	150,82	1
3928 11205	5	1"x1/2"	178,44	1
3928 11206	6	1"x1/2"	206,13	1
3928 11207	7	1"x1/2"	245,53	1
3928 11208	8	1"x1/2"	272,97	1
3928 11209	9	1"x1/2"	300,46	1
3928 11210	10	1"x1/2"	343,58	1
3928 11211	11	1"x1/2"	371,08	1
3928 11212	12	1"x1/2"	398,55	1



Code	outlets	size	€	box
3928 13402	2	1"x3/4"	73,56	1
3928 13403	3	1"x3/4"	111,33	1
3928 13404	4	1"x3/4"	151,30	1
3928 13405	5	1"x3/4"	179,06	1
3928 13406	6	1"x3/4"	206,85	1
3928 13407	7	1"x3/4"	246,35	1
3928 13408	8	1"x3/4"	273,95	1
3928 13409	9	1"x3/4"	301,51	1
3928 13410	10	1"x3/4"	344,78	1
3928 13411	11	1"x3/4"	372,39	1
3928 13412	12	1"x3/4"	399,99	1
3928 1143402	2	1"1/4x3/4"	89,53	1
3928 1143403	3	1"1/4x3/4"	131,96	1
3928 1143404	4	1"1/4x3/4"	183,18	1
3928 1143405	5	1"1/4x3/4"	214,83	1
3928 1143406	6	1"1/4x3/4"	246,55	1
3928 1143407	7	1"1/4x3/4"	297,31	1
3928 1143408	8	1"1/4x3/4"	328,80	1
3928 1143409	9	1"1/4x3/4"	360,29	1
3928 1143410	10	1"1/4x3/4"	414,80	1
3928 1143411	11	1"1/4x3/4"	446,32	1
3928 1143412	12	1"1/4x3/4"	477,81	1

PRE-ASSEMBLED chrome-plated brass manifold complete with:

- Delivery manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480
- Connection: 1" - 1 1/4" male-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50

ART. 3981


Code	outlets	size	€	box
3981 11202	2	1"x1/2"	81,30	1
3981 11203	3	1"x1/2"	122,92	1
3981 11204	4	1"x1/2"	166,73	1
3981 11205	5	1"x1/2"	198,34	1
3981 11206	6	1"x1/2"	230,00	1
3981 11207	7	1"x1/2"	273,37	1
3981 11208	8	1"x1/2"	304,81	1
3981 11209	9	1"x1/2"	336,27	1
3981 11210	10	1"x1/2"	383,38	1
3981 11211	11	1"x1/2"	414,85	1
3981 11212	12	1"x1/2"	446,31	1



Code	outlets	size	€	box
3981 13402	2	1"x3/4"	81,76	1
3981 13403	3	1"x3/4"	123,62	1
3981 13404	4	1"x3/4"	167,65	1
3981 13405	5	1"x3/4"	199,47	1
3981 13406	6	1"x3/4"	231,37	1
3981 13407	7	1"x3/4"	274,97	1
3981 13408	8	1"x3/4"	306,63	1
3981 13409	9	1"x3/4"	338,31	1
3981 13410	10	1"x3/4"	385,66	1
3981 13411	11	1"x3/4"	417,36	1
3981 13412	12	1"x3/4"	449,04	1
3981 1143402	2	1"1/4x3/4"	97,47	1
3981 1143403	3	1"1/4x3/4"	143,94	1
3981 1143404	4	1"1/4x3/4"	199,17	1
3981 1143405	5	1"1/4x3/4"	234,79	1
3981 1143406	6	1"1/4x3/4"	270,50	1
3981 1143407	7	1"1/4x3/4"	325,27	1
3981 1143408	8	1"1/4x3/4"	360,75	1
3981 1143409	9	1"1/4x3/4"	396,22	1
3981 1143410	10	1"1/4x3/4"	454,73	1
3981 1143411	11	1"1/4x3/4"	490,23	1
3981 1143412	12	1"1/4x3/4"	525,69	1

Chrome-plated brass modular manifold complete with:

- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connection, art. 3438

- Connection: 1" – 1"1/4 female-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: mm.50



ART. 3466



Code	outlets	size	€	box
3466 11204	4	1"x1/2"	121,29	1
3466 11205	5	1"x1/2"	136,88	1
3466 11206	6	1"x1/2"	152,49	1
3466 11207	7	1"x1/2"	174,17	1
3466 11208	8	1"x1/2"	189,73	1
3466 11209	9	1"x1/2"	205,30	1
3466 11210	10	1"x1/2"	226,97	1
3466 11211	11	1"x1/2"	242,56	1
3466 11212	12	1"x1/2"	258,14	1

Code	outlets	size	€	box
3466 13404	4	1"x3/4"	121,75	1
3466 13405	5	1"x3/4"	137,44	1
3466 13406	6	1"x3/4"	153,17	1
3466 13407	7	1"x3/4"	174,96	1
3466 13408	8	1"x3/4"	190,64	1
3466 13409	9	1"x3/4"	206,33	1
3466 13410	10	1"x3/4"	228,11	1
3466 13411	11	1"x3/4"	243,81	1
3466 13412	12	1"x3/4"	259,51	1

Code	outlets	size	€	box
3466 1143404	4	1"1/4x3/4"	142,61	1
3466 1143405	5	1"1/4x3/4"	160,29	1
3466 1143406	6	1"1/4x3/4"	177,97	1
3466 1143407	7	1"1/4x3/4"	205,56	1
3466 1143408	8	1"1/4x3/4"	223,20	1
3466 1143409	9	1"1/4x3/4"	240,85	1
3466 1143410	10	1"1/4x3/4"	268,43	1
3466 1143411	11	1"1/4x3/4"	286,06	1
3466 1143412	12	1"1/4x3/4"	303,74	1

Chrome-plated brass modular manifold complete with:

- Delivery manifold with built-in balancing lockshield valves
- Intermediate connection, art. 3438

- Connection: 1" – 1"1/4 female-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: mm.50
- Patented



ART. 3467



Code	outlets	size	€	box
3467 11204	4	1"x1/2"	110,90	1
3467 11205	5	1"x1/2"	123,92	1
3467 11206	6	1"x1/2"	136,93	1
3467 11207	7	1"x1/2"	156,01	1
3467 11208	8	1"x1/2"	168,99	1
3467 11209	9	1"x1/2"	181,95	1
3467 11210	10	1"x1/2"	201,06	1
3467 11211	11	1"x1/2"	214,01	1
3467 11212	12	1"x1/2"	226,97	1

Code	outlets	size	€	box
3467 13404	4	1"x3/4"	111,34	1
3467 13405	5	1"x3/4"	124,49	1
3467 13406	6	1"x3/4"	137,62	1
3467 13407	7	1"x3/4"	156,82	1
3467 13408	8	1"x3/4"	169,90	1
3467 13409	9	1"x3/4"	182,97	1
3467 13410	10	1"x3/4"	202,18	1
3467 13411	11	1"x3/4"	215,28	1
3467 13412	12	1"x3/4"	228,35	1

Code	outlets	size	€	box
3467 1143404	4	1"1/4x3/4"	132,21	1
3467 1143405	5	1"1/4x3/4"	147,33	1
3467 1143406	6	1"1/4x3/4"	162,42	1
3467 1143407	7	1"1/4x3/4"	187,41	1
3467 1143408	8	1"1/4x3/4"	202,44	1
3467 1143409	9	1"1/4x3/4"	217,49	1
3467 1143410	10	1"1/4x3/4"	242,48	1
3467 1143411	11	1"1/4x3/4"	257,55	1
3467 1143412	12	1"1/4x3/4"	272,61	1

Chrome-plated brass modular manifold complete with:

- Delivery manifold with flowmeters and flow-rate balancing valves
- Intermediate connection, art. 3438

- Connection: 1"-1"1/4 female-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50



ART. 3580



Code	outlets	size	€	box
3580 11204	4	1"x1/2"	126,81	1
3580 11205	5	1"x1/2"	143,82	1
3580 11206	6	1"x1/2"	160,82	1
3580 11207	7	1"x1/2"	183,88	1
3580 11208	8	1"x1/2"	200,82	1
3580 11209	9	1"x1/2"	217,76	1
3580 11210	10	1"x1/2"	240,85	1
3580 11211	11	1"x1/2"	257,79	1
3580 11212	12	1"x1/2"	274,73	1

Code	outlets	size	€	box
3580 13404	4	1"x3/4"	127,27	1
3580 13405	5	1"x3/4"	144,38	1
3580 13406	6	1"x3/4"	161,50	1
3580 13407	7	1"x3/4"	184,67	1
3580 13408	8	1"x3/4"	201,74	1
3580 13409	9	1"x3/4"	218,79	1
3580 13410	10	1"x3/4"	241,98	1
3580 13411	11	1"x3/4"	259,05	1
3580 13412	12	1"x3/4"	276,08	1

Code	outlets	size	€	box
3580 1143404	4	1"1/4x3/4"	148,17	1
3580 1143405	5	1"1/4x3/4"	167,25	1
3580 1143406	6	1"1/4x3/4"	186,33	1
3580 1143407	7	1"1/4x3/4"	215,31	1
3580 1143408	8	1"1/4x3/4"	234,33	1
3580 1143409	9	1"1/4x3/4"	253,39	1
3580 1143410	10	1"1/4x3/4"	282,33	1
3580 1143411	11	1"1/4x3/4"	301,38	1
3580 1143412	12	1"1/4x3/4"	320,44	1

PRE-ASSEMBLED chrome-plated brass manifold complete with:

- Delivery manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3438
- Fixing brackets, art. 7480
- Connection: 1"-1 1/4 female-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: mm.50


ART. 3468


Code	outlets	size	€	box
3468 11204	4	1"x1/2"	251,54	1
3468 11205	5	1"x1/2"	279,97	1
3468 11206	6	1"x1/2"	308,48	1
3468 11207	7	1"x1/2"	349,41	1
3468 11208	8	1"x1/2"	377,90	1
3468 11209	9	1"x1/2"	406,35	1
3468 11210	10	1"x1/2"	451,10	1
3468 11211	11	1"x1/2"	479,65	1
3468 11212	12	1"x1/2"	508,17	1

Code	outlets	size	€	box
3468 13404	4	1"x3/4"	252,34	1
3468 13405	5	1"x3/4"	280,98	1
3468 13406	6	1"x3/4"	309,66	1
3468 13407	7	1"x3/4"	350,80	1
3468 13408	8	1"x3/4"	379,50	1
3468 13409	9	1"x3/4"	408,17	1
3468 13410	10	1"x3/4"	453,11	1
3468 13411	11	1"x3/4"	481,84	1
3468 13412	12	1"x3/4"	510,55	1
3468 1143404	4	1"1/4x3/4"	295,77	1
3468 1143405	5	1"1/4x3/4"	328,39	1
3468 1143406	6	1"1/4x3/4"	361,08	1
3468 1143407	7	1"1/4x3/4"	413,76	1
3468 1143408	8	1"1/4x3/4"	446,43	1
3468 1143409	9	1"1/4x3/4"	479,08	1
3468 1143410	10	1"1/4x3/4"	535,60	1
3468 1143411	11	1"1/4x3/4"	568,29	1
3468 1143412	12	1"1/4x3/4"	600,99	1

PRE-ASSEMBLED chrome-plated brass manifold complete with:

- Delivery manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3438
- Fixing brackets, art. 7480
- Connection: 1" - 1 1/4 female-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: mm.50


ART. 3581


Code	outlets	size	€	box
3581 11204	4	1"x1/2"	267,46	1
3581 11205	5	1"x1/2"	299,86	1
3581 11206	6	1"x1/2"	332,36	1
3581 11207	7	1"x1/2"	377,26	1
3581 11208	8	1"x1/2"	409,73	1
3581 11209	9	1"x1/2"	442,18	1
3581 11210	10	1"x1/2"	490,90	1
3581 11211	11	1"x1/2"	523,42	1
3581 11212	12	1"x1/2"	555,92	1

Code	outlets	size	€	box
3581 13404	4	1"x3/4"	268,37	1
3581 13405	5	1"x3/4"	301,00	1
3581 13406	6	1"x3/4"	333,72	1
3581 13407	7	1"x3/4"	378,85	1
3581 13408	8	1"x3/4"	411,56	1
3581 13409	9	1"x3/4"	444,22	1
3581 13410	10	1"x3/4"	493,17	1
3581 13411	11	1"x3/4"	525,93	1
3581 13412	12	1"x3/4"	558,65	1
3581 1143404	4	1"1/4x3/4"	311,76	1
3581 1143405	5	1"1/4x3/4"	348,37	1
3581 1143406	6	1"1/4x3/4"	385,03	1
3581 1143407	7	1"1/4x3/4"	441,73	1
3581 1143408	8	1"1/4x3/4"	478,36	1
3581 1143409	9	1"1/4x3/4"	514,99	1
3581 1143410	10	1"1/4x3/4"	575,51	1
3581 1143411	11	1"1/4x3/4"	612,17	1
3581 1143412	12	1"1/4x3/4"	648,88	1

The set point regulating and mixing units are suitable for use in underfloor heating systems for low temperature distribution, and also with combined high and low temperature supplies where high temperature circuits such as radiators are included. They are designed for connection to both flow and return lines with provision for an integral pump.



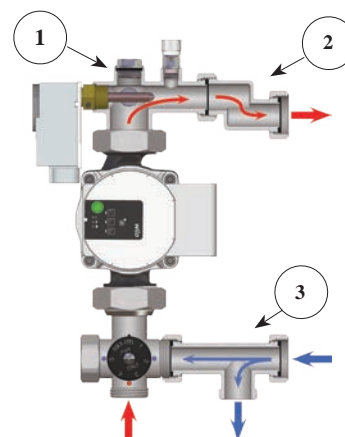
Art. 3480



Art. 3493

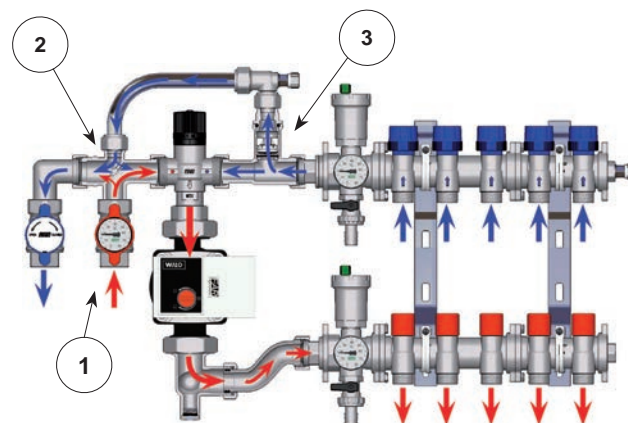
FUNCTION OF ART. 3493

The Set Point Regulation version is suitable for heating systems: this unit can be manually adjusted by turning the handle of the thermostatic mixer to the desired flow temperature value. The pump should always be installed at the mixer outlet, in place of the brass extension piece. The mixed fluid coming out of the pump passes into a fitting (1) on which it is possible to install a safety thermostat with a 1/2" connection. After the connection, the fluid passes through an eccentric (2) which allows to adapt the centre distance of the unit to the one of the manifolds that will be installed. Fluid coming back from the heating circuit passes through a fitting (3) that allows a part of water to re-enter to the boiler, while the remainder is diverted to the thermostatic mixer to mix with the high temperature one.



FUNCTION OF ART. 3480

Circulation is as follows: the high temperature water supplied from the boiler reaches the mixer unit through a ball valve (1) and a by-pass diverter connection (2). The connection (2) makes it possible to divert the high temperature water refused by the thermostatic mixer back to the boiler while, the same time, it directing to the boiler the water coming from the manifolds through the return connection (3). The mixer unit is designed to ensure a constant supply of water at the required temperature to the underfloor heating loops - blending in supplies of high temperature water from the boiler as necessary. Water leaves the mixer unit and is pumped to the flow side of the manifolds from whence it is distributed to the individual underfloor heating loops. Water coming back from the loops enters the return side of the manifolds and through the return connection (3) a proportion of the water re-enters the mixing unit restarting circulation while the remainder is diverted back to the boiler.



THERMOSTATIC MIXER

The thermostatic mixer is designed to ensure a constant supply of water for the low temperature system. The delivery temperature set-up must be carried out when starting up the system taking the design temperature as a reference. An initial set-up can be achieved based on the relation between the setting on the mixer and the flow water temperature. See below:

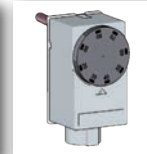
POSITION	Min.	1	2	3	4	5	Max
T ±2 [°C]	18	20	22	30	40	50	55



IMMERSION SAFETY THERMOSTAT

The immersion thermostat located on the regulating and mixing unit is designed to shut down the pump, or the boiler, when required. It is a liquid-filled type thermostat. The graduated knob allows the operator to set the maximum temperature value for the system.

Temperature setting range: 10 - 90°C



PUMPS FOR UNDERFLOOR HEATING SYSTEMS

In order to operate correctly, the plastic template on the unit must ALWAYS be replaced with an appropriately sized pump in order to avoid flow resistance in the low temperature circuit. FAR offers the following kind of pump to complement these units:

- **Art.2185 130EA:** **Electronic pump, high efficiency electronic pump, with 130mm centre distance. Variable head: from 1 to 7m.**

The pumps have a 130mm centre distance, 1 1/2" male connections and 230 V supply.

Set point regulating unit for underfloor heating systems.

- Primary side connections (boiler): 1" male
- Secondary side connections (manifold): 1" female with swiveling nut

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


IMMERSION SAFETY THERMOSTAT

Code	Thermostat type	€
7950	immersion	47,45


ART. 3493

Code	size	€	box
3493 1	1"	162,57	1

NB Pumps are supplied only in combination with art. 3493

Set point regulating unit for underfloor heating systems.

- Connection to delivery and return pipelines: 3/4" female

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


ART. 3480

Code	size	€	box
3480 34	3/4"	389,00	1
3480 1	1"	396,01	1
3480 114	1"1/4	437,15	1

NB Pumps are supplied only in combination with art. 3480

Pre-assembled unit for underfloor heating systems, complete with set point regulating unit and high temperature distribution manifolds.

- Outlets: 3/4" EUROKONUS
- Fixing brackets, art. 7480


ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

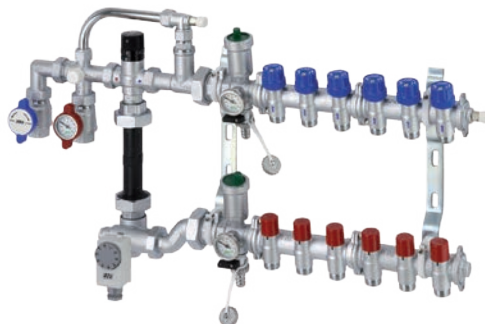

ART. 3489

Code	radiator outlets	size	€	box
3489 13402	2	1"x3/4"	547,61	1
3489 13403	3	1"x3/4"	575,62	1
3489 13404	4	1"x3/4"	613,17	1
3489 13405	5	1"x3/4"	644,86	1

NB Pumps are supplied only in combination with art. 3489

Pre-assembled unit for underfloor heating systems, complete with:

- Set point regulating unit
 - Low temperature delivery manifold with built-in balancing lockshield valves
 - Low temperature return manifold with built-in shut-off valves
 - Fixing brackets, art. 7480
- Outlets: 3/4" EUROKONUS
 - Centre distance between ports: mm.50



ART. 3485



Code	outlets	size	€	box
3485 13403	3	1"x3/4"	628,61	1
3485 13404	4	1"x3/4"	661,38	1
3485 13405	5	1"x3/4"	710,69	1
3485 13406	6	1"x3/4"	735,65	1
3485 13407	7	1"x3/4"	767,79	1
3485 13408	8	1"x3/4"	815,53	1
3485 13409	9	1"x3/4"	857,75	1
3485 13410	10	1"x3/4"	896,10	1
3485 13411	11	1"x3/4"	921,15	1
3485 13412	12	1"x3/4"	953,28	1

ACCESSORIES:



PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3485

Pre-assembled unit for underfloor heating systems, complete with:

- Set point regulating unit
 - Low temperature delivery manifold with flowmeters and flow-rate balancing valves
 - Low temperature return manifold with built-in shut-off valves
 - Fixing brackets, art. 7480
- Outlets: 3/4" EUROKONUS
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50



ART. 3584



Code	outlets	size	€	box
3584 13402	2	1"x3/4"	610,11	1
3584 13403	3	1"x3/4"	652,38	1
3584 13404	4	1"x3/4"	689,56	1
3584 13405	5	1"x3/4"	748,19	1
3584 13406	6	1"x3/4"	783,18	1
3584 13407	7	1"x3/4"	819,77	1
3584 13408	8	1"x3/4"	871,90	1
3584 13409	9	1"x3/4"	929,07	1
3584 13410	10	1"x3/4"	966,23	1
3584 13411	11	1"x3/4"	1.001,29	1
3584 13412	12	1"x3/4"	1.037,86	1

ACCESSORIES:



PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3584

Pre-assembled unit for underfloor heating systems, complete with:

- Set point regulating unit
 - Low temperature delivery manifold with built-in balancing lockshield valves
 - Low temperature return manifold with built-in shut-off valves
 - Painted sheet steel wall box
- Outlets: 3/4" EUROKONUS
 - Centre distance between ports: mm.50


ART. 3486

Code	outlets	size	box sizes	€	box
3486 13403	3	1"x3/4"	700x600x150	969,47	1
3486 13404	4	1"x3/4"	700x600x150	1.001,60	1
3486 13405	5	1"x3/4"	800x600x150	1.077,83	1
3486 13406	6	1"x3/4"	800x600x150	1.102,88	1
3486 13407	7	1"x3/4"	900x600x150	1.174,36	1
3486 13408	8	1"x3/4"	900x600x150	1.206,48	1
3486 13409	9	1"x3/4"	1000x600x150	1.298,57	1
3486 13410	10	1"x3/4"	1000x600x150	1.337,82	1
3486 13411	11	1"x3/4"	1100x600x150	1.402,15	1
3486 13412	12	1"x3/4"	1100x600x150	1.434,28	1

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3486

Pre-assembled unit for underfloor heating systems, complete with:

- Set point regulating unit
 - Low temperature delivery manifold with flowmeters and flow-rate balancing valves
 - Low temperature return manifold with built-in shut-off valves
 - Painted sheet steel wall box
- Outlets: 3/4" EUROKONUS
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50


ART. 3585

Code	outlets	size	box sizes	€	box
3585 13403	3	1"x3/4"	700x600x150	993,23	1
3585 13404	4	1"x3/4"	700x600x150	1.029,79	1
3585 13405	5	1"x3/4"	800x600x150	1.115,35	1
3585 13406	6	1"x3/4"	800x600x150	1.150,41	1
3585 13407	7	1"x3/4"	900x600x150	1.226,31	1
3585 13408	8	1"x3/4"	900x600x150	1.262,87	1
3585 13409	9	1"x3/4"	1000x600x150	1.369,87	1
3585 13410	10	1"x3/4"	1000x600x150	1.407,92	1
3585 13411	11	1"x3/4"	1100x600x150	1.482,28	1
3585 13412	12	1"x3/4"	1100x600x150	1.518,85	1

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3585

Pre-assembled mixed unit for underfloor heating systems complete with:

- Set point regulating unit
 - Low temperature delivery manifold with built-in balancing lockshield valves
 - Low temperature return manifold with built-in shut-off valves
 - High temperature distribution manifolds
 - Fixing brackets, art. 7480
- Outlets: 3/4" EUROKONUS
 - Centre distance between ports: mm.50



ACCESSORIES:



PUMP

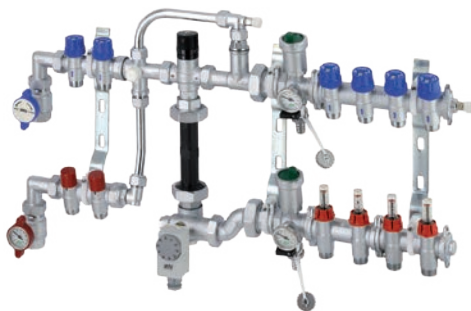
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3487

Pre-assembled mixed unit for underfloor heating systems complete with:

- Set point regulating unit
 - Low temperature delivery manifold with flowmeters and flow-rate balancing valves
 - Low temperature return manifold with built-in shut-off valves
 - High temperature distribution manifolds
 - Fixing brackets, art. 7480
- Outlets: 3/4" EUROKONUS
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50



ACCESSORIES:



PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3586



ART. 3487

Code	floor outlets	radiator outlets	size	€	box
3487 1340302	3	2	1"x3/4"	766,49	1
3487 1340402	4	2	1"x3/4"	798,61	1
3487 1340502	5	2	1"x3/4"	849,19	1
3487 1340602	6	2	1"x3/4"	874,21	1
3487 1340702	7	2	1"x3/4"	906,36	1
3487 1340802	8	2	1"x3/4"	937,59	1
3487 1340902	9	2	1"x3/4"	979,83	1
3487 1341002	10	2	1"x3/4"	1.019,05	1
3487 1341102	11	2	1"x3/4"	1.044,12	1
3487 1340303	3	3	1"x3/4"	794,35	1
3487 1340403	4	3	1"x3/4"	827,73	1
3487 1340503	5	3	1"x3/4"	877,05	1
3487 1340603	6	3	1"x3/4"	902,08	1
3487 1340703	7	3	1"x3/4"	933,33	1
3487 1340803	8	3	1"x3/4"	965,48	1
3487 1340903	9	3	1"x3/4"	1.007,70	1
3487 1341003	10	3	1"x3/4"	1.046,94	1



ART. 3586

Code	floor outlets	radiator outlets	size	€	box
3586 1340302	3	2	1"x3/4"	790,28	1
3586 1340402	4	2	1"x3/4"	826,82	1
3586 1340502	5	2	1"x3/4"	885,50	1
3586 1340602	6	2	1"x3/4"	921,80	1
3586 1340702	7	2	1"x3/4"	958,34	1
3586 1340802	8	2	1"x3/4"	994,00	1
3586 1340902	9	2	1"x3/4"	1.051,16	1
3586 1341002	10	2	1"x3/4"	1.089,21	1
3586 1341102	11	2	1"x3/4"	1.124,31	1
3586 1340303	3	3	1"x3/4"	818,14	1
3586 1340403	4	3	1"x3/4"	855,94	1
3586 1340503	5	3	1"x3/4"	914,58	1
3586 1340603	6	3	1"x3/4"	949,65	1
3586 1340703	7	3	1"x3/4"	985,33	1
3586 1340803	8	3	1"x3/4"	1.021,87	1
3586 1340903	9	3	1"x3/4"	1.079,02	1
3586 1341003	10	3	1"x3/4"	1.117,09	1

Pre-assembled mixed unit for underfloor heating systems complete with:

- Set point regulating unit
 - Low temperature delivery manifold with built-in balancing lockshield valves
 - Low temperature return manifold with built-in shut-off valves
 - High temperature distribution manifolds
 - Painted sheet steel wall box
- Outlets: 3/4" EUROKONUS
 - Centre distance between ports: mm.50


ART. 3488


Code	floor outlets	radiator outlets	size	box sizes	€
3488 1340302	3	2	1"x3/4"	800x600x150	1.125,46
3488 1340402	4	2	1"x3/4"	800x600x150	1.157,59
3488 1340502	5	2	1"x3/4"	900x600x150	1.246,25
3488 1340602	6	2	1"x3/4"	900x600x150	1.271,30
3488 1340702	7	2	1"x3/4"	1000x600x150	1.353,27
3488 1340802	8	2	1"x3/4"	1000x600x150	1.385,44
3488 1340902	9	2	1"x3/4"	1100x600x150	1.466,97
3488 1341002	10	2	1"x3/4"	1100x600x150	1.506,19
3488 1341102	11	2	1"x3/4"	1200x600x150	1.565,33
3488 1340303	3	3	1"x3/4"	800x600x150	1.153,32
3488 1340403	4	3	1"x3/4"	900x600x150	1.224,27
3488 1340503	5	3	1"x3/4"	900x600x150	1.274,14
3488 1340603	6	3	1"x3/4"	1000x600x150	1.348,20
3488 1340703	7	3	1"x3/4"	1000x600x150	1.381,16
3488 1340803	8	3	1"x3/4"	1100x600x150	1.452,73
3488 1340903	9	3	1"x3/4"	1100x600x150	1.494,83
3488 1341003	10	3	1"x3/4"	1200x600x150	1.568,40

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3488

Pre-assembled mixed unit for underfloor heating systems complete with:

- Set point regulating unit
 - Low temperature delivery manifold with flowmeters and flow-rate balancing valves
 - Low temperature return manifold with built-in shut-off valves
 - High temperature distribution manifolds
 - Painted sheet steel wall box
- Outlets: 3/4" EUROKONUS
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50


ART. 3587


Code	floor outlets	radiator outlets	size	box sizes	€
3587 1340302	3	2	1"x3/4"	800x600x150	1.143,13
3587 1340402	4	2	1"x3/4"	800x600x150	1.179,70
3587 1340502	5	2	1"x3/4"	900x600x150	1.277,66
3587 1340602	6	2	1"x3/4"	900x600x150	1.312,75
3587 1340702	7	2	1"x3/4"	1000x600x150	1.399,13
3587 1340802	8	2	1"x3/4"	1000x600x150	1.435,72
3587 1340902	9	2	1"x3/4"	1100x600x150	1.532,18
3587 1341002	10	2	1"x3/4"	1100x600x150	1.570,21
3587 1341102	11	2	1"x3/4"	1200x600x150	1.639,40
3587 1340303	3	3	1"x3/4"	800x600x150	1.170,99
3587 1340403	4	3	1"x3/4"	900x600x150	1.246,37
3587 1340503	5	3	1"x3/4"	900x600x150	1.305,55
3587 1340603	6	3	1"x3/4"	1000x600x150	1.389,65
3587 1340703	7	3	1"x3/4"	1000x600x150	1.427,01
3587 1340803	8	3	1"x3/4"	1100x600x150	1.503,01
3587 1340903	9	3	1"x3/4"	1100x600x150	1.560,04
3587 1341003	10	3	1"x3/4"	1200x600x150	1.632,42

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62

NB Pumps are supplied only in combination with art. 3587

Modulating/Regulating units for underfloor heating systems are available in HOT only or HOT/COLD versions. They are equipped with a 3-point actuator and a mixing valve. Used in association with a control unit they can manage the flow temperature of an underfloor heating system in accordance with climatic and room conditions.

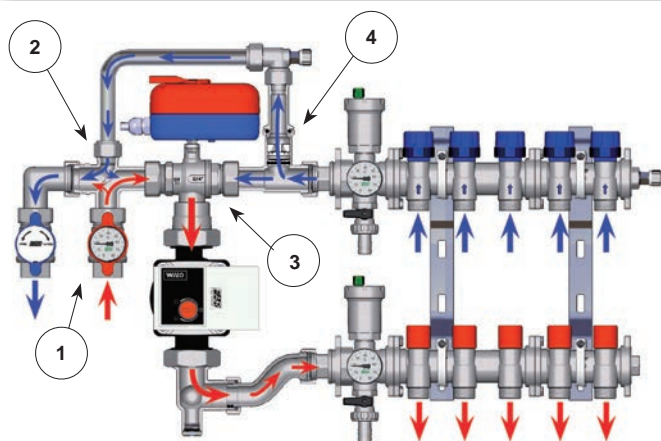
The MODULATING version is suitable for both heating and cooling systems: the main feature is the facility to manage the plant by modulating the supply temperature via a control unit equipped with an external temperature probe. This version can be also used as a fixed point regulating unit.

The brass template at the outlet of the mixing valve must always to be replaced by a pump. The unit is equipped with a by-pass between the supply and return sides of the boiler and a safety thermostat.

It is also available with pre-assembled manifolds for distribution of flow for low temperature only, high temperature only, or both.



Art. 3490



The mixing valve is designed to ensure a constant supply of water, blended to the required temperature, to the underfloor heating loops. Circulation is as follows: water leaves the mixing valve (3), passes through the pump (installed in place of the template) and is pumped to the flow side of the manifolds from whence it is distributed to the individual underfloor heating loops. Water coming back from the loops enters the return side of the manifold and, passing through the return connection (4), re-enters the mixing valve. High temperature water is supplied from the boiler to the mixing valve via a ball valve (1) and diverter connection (2). As it enters the mixing valve an equal volume of lower temperature return water is diverted back to the boiler, passing first through fitting 4 and then through fitting 2, thus automatically keeping the system in balance.



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HOT ONLY (HEATING)

If you wish to set up to a "hot only" system, you will require both the regulating unit and a control unit, Art. 9611, comprising:

- HOT Only control unit
- Supply temperature probe
- External temperature probe
- Seat for supply probe



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HOT and COLD (HEATING and COOLING)

However, if you need to use a climatic control which operates the circuit in winter and summer, you will also require a control unit, art.9610. It comprises:

- HOT - COLD control unit
- Supply temperature probe
- External temperature probe
- Internal temperature + humidity probe
- Seat for supply probe
- Box for controller

PUMPS FOR UNDERFLOOR HEATING SYSTEMS

In order to operate correctly, the brass template on the unit must ALWAYS be replaced with an appropriately sized pump in order to avoid flow resistance in the low temperature circuit. FAR offers the following kind of pump to complement these units:

- **Art.2185 130EA: Electronic pump, high efficiency electronic pump, with 130mm centre distance. Variable head: from 1 to 7 m.**

The pumps have a 130mm centre distance, 1"1/2 male connections and 230 V supply.

The pumps are only sold in combination with pre-assembled units.

Modulating regulating unit for underfloor heating systems, complete with 3-point actuator.

- Connection to delivery and return pipelines: 3/4" female


ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3490

Pre-assembled unit for underfloor heating systems, complete with 3- point actuator and high temperature distribution manifolds.

- Outlets: 3/4" EUROKONUS
- Fixing brackets, art. 7480

ART. 3490

Code	size	voltage	€	box
3490 110	1"	230 V	515,22	1

ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3492


ART. 3492


Code	radiator outlets	size	voltage	€	box
3492 1340210	2	1"x3/4"	230 V	654,35	1
3492 1340310	3	1"x3/4"	230 V	682,21	1
3492 1340410	4	1"x3/4"	230 V	719,60	1
3492 1340510	5	1"x3/4"	230 V	751,15	1

12 MODULATING/REGULATING UNITS

Pre-assembled unit for underfloor heating systems complete with:

- regulating unit with mixing valve and 3-point actuator
 - safety thermostat
 - low temperature delivery manifold with built-in balancing lockshield valves
 - low temperature return manifold with built-in shut-off valves
 - painted sheet steel wall box
- Outlets: 3/4" EUROKONUS
 - Centre distance between ports: mm.50



ACCESSORIES:



PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62



CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3588



ART. 3588

Code	outlets	size	box sizes	€	box
3588 13405	5	1"x3/4"	800x600x150	1.201,70	1
3588 13406	6	1"x3/4"	800x600x150	1.226,72	1
3588 13407	7	1"x3/4"	900x600x150	1.293,96	1
3588 13408	8	1"x3/4"	900x600x150	1.326,09	1
3588 13409	9	1"x3/4"	1000x600x150	1.370,76	1
3588 13410	10	1"x3/4"	1000x600x150	1.460,35	1
3588 13411	11	1"x3/4"	1100x600x150	1.483,89	1
3588 13412	12	1"x3/4"	1100x600x150	1.552,90	1

Pre-assembled unit for underfloor heating systems complete with:

- regulating unit with mixing valve and 3-point actuator
 - safety thermostat
 - low temperature delivery manifold with flowmeters and flow-rate balancing valves
 - low temperature return manifold with built-in shut-off valves
 - painted sheet steel wall box
- Outlets: 3/4" EUROKONUS
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50



ACCESSORIES:



PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62



CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3589



ART. 3589

Code	outlets	size	box sizes	€	box
3589 13405	5	1"x3/4"	800x600x150	1.239,20	1
3589 13406	6	1"x3/4"	800x600x150	1.274,26	1
3589 13407	7	1"x3/4"	900x600x150	1.345,91	1
3589 13408	8	1"x3/4"	900x600x150	1.382,48	1
3589 13409	9	1"x3/4"	1000x600x150	1.492,41	1
3589 13410	10	1"x3/4"	1000x600x150	1.530,46	1
3589 13411	11	1"x3/4"	1100x600x150	1.600,91	1
3589 13412	12	1"x3/4"	1100x600x150	1.637,46	1

Pre-assembled mixed unit for underfloor heating systems complete with:

- regulating unit with mixing valve and 3-point actuator
 - safety thermostat
 - low temperature delivery manifold with built-in balancing lockshield valves
 - low temperature return manifold with built-in shut-off valves
 - high temperature distribution manifolds
 - painted sheet steel wall box
- Outlets: 3/4" EUROKONUS
 - Centre distance between ports: mm.50


ART. 3590
ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3590

Code	floor outlets	radiator outlets	size	box sizes	€
3590 1340502	5	2	1"x3/4"	900x600x150	1.350,04
3590 1340602	6	2	1"x3/4"	900x600x150	1.375,06
3590 1340702	7	2	1"x3/4"	1000x600x150	1.459,99
3590 1340802	8	2	1"x3/4"	1000x600x150	1.492,13
3590 1340902	9	2	1"x3/4"	1100x600x150	1.576,69
3590 1341002	10	2	1"x3/4"	1100x600x150	1.608,97
3590 1341102	11	2	1"x3/4"	1200x600x150	1.669,60
3590 1340503	5	3	1"x3/4"	900x600x150	1.377,75
3590 1340603	6	3	1"x3/4"	1000x600x150	1.455,71
3590 1340703	7	3	1"x3/4"	1000x600x150	1.487,87
3590 1340803	8	3	1"x3/4"	1100x600x150	1.555,37
3590 1340903	9	3	1"x3/4"	1100x600x150	1.597,23
3590 1341003	10	3	1"x3/4"	1200x600x150	1.672,44

Pre-assembled mixed unit for underfloor heating systems complete with:

- regulating unit with mixing valve and 3-point actuator
 - safety thermostat
 - low temperature delivery manifold with flowmeters and flow-rate balancing valves
 - low temperature return manifold with built-in shut-off valves
 - high temperature distribution manifolds
 - painted sheet steel wall box
- Outlets: 3/4" EUROKONUS
 - Flowmeters range: 0-5 l/min
 - Centre distance between ports: mm.50


ART. 3591
ACCESSORIES:

PUMP

The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	358,62


CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	1.532,91
9611	hot only	446,93

NB Pumps and control units are supplied only in combination with art. 3591

Code	floor outlets	radiator outlets	size	box sizes	€
3591 1340502	5	2	1"x3/4"	900x600x150	1.387,54
3591 1340602	6	2	1"x3/4"	900x600x150	1.422,59
3591 1340702	7	2	1"x3/4"	1000x600x150	1.511,94
3591 1340802	8	2	1"x3/4"	1000x600x150	1.548,52
3591 1340902	9	2	1"x3/4"	1100x600x150	1.641,05
3591 1341002	10	2	1"x3/4"	1100x600x150	1.679,08
3591 1341102	11	2	1"x3/4"	1200x600x150	1.749,76
3591 1340503	5	3	1"x3/4"	900x600x150	1.415,41
3591 1340603	6	3	1"x3/4"	1000x600x150	1.503,26
3591 1340703	7	3	1"x3/4"	1000x600x150	1.539,44
3591 1340803	8	3	1"x3/4"	1100x600x150	1.611,76
3591 1340903	9	3	1"x3/4"	1100x600x150	1.668,52
3591 1341003	10	3	1"x3/4"	1200x600x150	1.742,54

2 wired thermo-electric actuator provided with selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection level: IP54



- NC = NORMALLY CLOSED
- NA = NORMALLY OPEN

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1909-1919-1929-1939

Code	voltage	opening time	type	€	box
1909	24 V	180 s	NC	36,74	1
1919	230 V	180 s	NC	36,74	1
1929	24 V	180 s	NA	36,74	1
1939	230 V	180 s	NA	36,74	1

4 wired thermo-electric actuator with auxiliary micro-switch and selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection level: IP54



- NC = NORMALLY CLOSED

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1914-1924-1913-1923

Code	voltage	opening time	type	€	box
1914	24 V	180 s	NC	39,52	1
1924	230 V	180 s	NC	39,52	1
1913	24 V	90 s	NC	42,54	1
1923	230 V	90 s	NC	42,54	1

Electronic chrono-thermostat complete with weekly programmable clock and digital display.

- Battery operated (by two AA 1,5V alkaline batteries – not supplied)
- Operating mode: AUTO, COMFORT, ECONOMY and OFF / Frost protection
- Program range: 30 minutes
- Hot/Cold switch
- Wall assembly

ART. 7946

Code	€	box	pack
7946	141,87	1	-



Chrome-plated adapter suitable for installation of electric actuators on thermo-electric manifolds.

- M30x1,5 thread

ART. 1942

Code	€	box	pack
1942	2,69	1	-



Electronic thermostat for heating and cooling systems.

- Digital display and function keys
- Hot/Cold switch
- Operation: COMFORT, ECONOMY and OFF
- Supplied by two AAA 1,5 V batteries



ART. 7944

Code	€	box	pack
7944	64,19	1	-

Electronic chrono-thermostat, with weekly programming for the control of heating and air conditioning systems, with the possibility of remote control via SMS messages.

- Backlit display and function keys
- Weekly programming with three temperature levels
- 2 auxiliary alarm inputs (clean contacts)
- 1 relay auxiliary output (clean contacts) programmable by user
- Backup battery for programming data and clock / calendar maintenance
- Power reserve, to send a power failure message (BLACK-OUT)
- Power supply 230V-50Hz
- Suitable sims: GSM SIM, standard with the GSM 11.12 phase 2+ standard



ART. 7943

Code	€	box	pack
7943	441,66	1	-

Electromechanical room thermostat complete with steam sensor.

- Scale: 10÷30° C
- Differential: 0,8 K
- System of limitation and/or locking of T selector
- Protection level: IP20
- Electrical connection with two wires
- Current carrying capacity: 10(2,5)A 250V a.c.

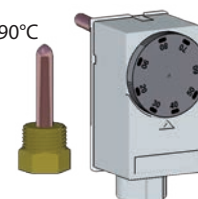


ART. 7948

Code	€	box	pack
7948	19,61	1	-

Immersion thermostat.

- Control temperature range: 10÷90°C
- Protection level: IP40
- Sheath: 1/2" (l=50mm)



ART. 7950

Code	€	box	pack
7950	47,45	1	-

Chrome-plated flowmeter.

- Measuring scale: 1-3,5 litres/min.
- Measuring scale: 2-8 litres/min.
- Connection: 3/4" EUROKONUS

3/4" EUROKONUS connection →


ART. 3428

Code	l/min	€	box
3428 4	1 - 3,5	35,49	12
3428 8	2-8	35,49	12

Anti-condensate protection shell made of thermo-formed expanded polyethylene for thermo-electric manifolds.
(Art. 3913-3923-3914-3915-3911-3921-3917-3918)


ART. 9300

Code	outlets	size	€	box
9300 102	2	1"	15,64	1
9300 103	3	1"	16,27	1
9300 104	4	1"	16,92	1
9300 11402	2	1"1/4	16,26	1
9300 11403	3	1"1/4	16,99	1
9300 11202	2	1"1/2	16,47	1
9300 11203	3	1"1/2	18,83	1

End plug made of velcro for protection shell (ART. 9300) suitable for manifolds with built-in regulating valves (ART. 3923-3915-3921-3918).


ART. 9302

Code	outlets	size	€	box
9302 102	2	1"	6,55	1
9302 103	3	1"	7,14	1

Chrome-plated temperature gauge fitting.

- Connection: 3/4" EUROKONUS
- Temperature gauge: 0÷80°C



← 3/4" EUROKONUS connection

ART. 3433

Code	size	€	box
3433 34	3/4"	18,62	1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for intermediate connections (ART. 3438-3445).


ART. 9301

Code	size	€	box
9301 1	1"	15,35	1
9301 114	1"1/4	15,72	1
9301 112	1"1/2	16,92	1

Chrome-plated intermediate connection.

- Size: 1"-1 1/4" female-female
- Connections: 3/8" - 3/8" - 1/2"



ART. 3430

Code	size	€	box	pack
3430 1	1"	8,83	10	120
3430 114	1 1/4"	14,27	5	40

Chrome-plated intermediate connection.

- Size: 3/4" - 1" female-female
- Connections: 3/8" - 1/2"



ART. 3430TC

Code	size	€	box	pack
3430 34TC	3/4"	6,77	10	120
3430 1TC	1"	8,16	10	120

Chrome-plated intermediate FLANGED connection. Provided with screws and O-ring for connection.

- Size: 1" female-female
- Connections: 3/8" - 3/8" - 1/2"



ART. 3441

Code	size	€	box	pack
3441 1	1"x3/8"	11,90	10	80

Chrome-plated intermediate connection complete with air vent valve, temperature gauge and plug.

- Size: 1"-1 1/4"-1 1/2" female-female
- Temperature gauge: 0÷80°C

ART. 3435

Code	size	€	box
3435 1	1"	29,73	1
3435 114	1 1/4"	34,14	1
3435 112	1 1/2"	43,87	1



Chrome-plated intermediate connection complete with air vent valve, thermo-manometer and plug.

- Size: 1"-1 1/4" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3436

Code	size	€	box
3436 1	1"	43,43	1
3436 114	1 1/4"	47,68	1

Chrome-plated intermediate connection complete with automatic air vent valve, temperature gauge and boiler drain cock.

- Size: 1"-1 1/4"-1 1/2" female-female
- Temperature gauge: 0÷80°C

ART. 3438

Code	size	€	box
3438 1	1"	37,06	1
3438 114	1 1/4"	41,30	1
3438 112	1 1/2"	50,84	1



Chrome-plated intermediate connection complete with automatic air vent valve, thermo-manometer and boiler drain cock.

- Size: 1"-1 1/4" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3442

Code	size	€	box
3442 1	1"	52,04	1
3442 114	1 1/4"	56,29	1

Chrome-plated intermediate FLANGED connection, complete with automatic air vent valve, temperature gauge and plug.

- Provided with screws and O-ring for connection
- Size: 1" female-female
- Temperature gauge: 0÷80°C

ART. 3443

Code	size	€	box
3443 1	1"	32,12	1



Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, thermo-manometer and plug.

- Provided with screws and O-ring for connection
- Size: 1" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3444

Code	size	€	box
3444 1	1"	44,97	1

Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, temperature gauge and drain cock.

- Provided with screws and O-ring for connection
- Size: 1" female-female
- Temperature gauge: 0÷80°C

ART. 3445

Code	size	€	box
3445 1	1"	41,53	1



Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, thermo-manometer and drain cock.

- Provided with screws and O-ring for connection
- Size: 1" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3446

Code	size	€	box
3446 1	1"	56,42	1

Chrome-plated temperature gauge fitting.

- Size: 1" male-female
- Side connection: 3/8" female


ART. 3431

Code	size	€	box
3431 1	1"	7,40	5

Chrome-plated intermediate connection for manifolds, preset for installation of air vent valve, temperature gauge and drain cock.

- Size: 1" male-female


ART. 3440

Code	size	€	box	pack
3440 1	1"	14,26	10	80

Chrome-plated temperature gauge fitting.

- Size: 1" male-female
- Temperature gauge: 0÷80°C


ART. 3432

Code	size	€	box
3432 1	1"	18,70	1

Chrome-plated terminal connection for manifolds, complete with manual air vent valve and drain cock.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 3/8" x 1/2" female

ART. 4070M

Code	size	outlets	€	box
4070 M3438	3/4"	3/8"x1/2"	18,00	1
4070 M138	1"	3/8"x1/2"	18,68	1
4070 M11438	1"1/4	3/8"x1/2"	20,76	1
4070 M11238	1"1/2	3/8"x1/2"	22,60	1



Chrome-plated terminal connection for manifolds, complete with automatic air vent valve and drain cock.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 3/8" x 1/2" female

ART. 4070

Code	size	outlets	€	box
4070 3438	3/4"	3/8"x1/2"	24,31	1
4070 138	1"	3/8"x1/2"	25,40	1
4070 11438	1"1/4	3/8"x1/2"	27,22	1
4070 11238	1"1/2	3/8"x1/2"	29,34	1



Chrome-plated terminal connection for manifolds, complete with manual air vent valve and drain cock.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 3/8" x 1/2" female

ART. 4071M

Code	size	outlets	€	box
4071 M3438	3/4"	3/8"x1/2"	19,38	1
4071 M138	1"	3/8"x1/2"	20,78	1
4071 M11438	1"1/4	3/8"x1/2"	23,42	1
4071 M11238	1"1/2	3/8"x1/2"	25,89	1



Chrome-plated terminal connection for manifolds, complete with automatic air vent valve and drain cock.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 3/8" x 1/2" female

ART. 4071

Code	size	outlets	€	box
4071 3438	3/4"	3/8"x1/2"	24,86	1
4071 138	1"	3/8"x1/2"	26,26	1
4071 11438	1"1/4	3/8"x1/2"	28,90	1
4071 11238	1"1/2	3/8"x1/2"	31,37	1



Chrome-plated terminal connection for manifolds. Double radial connection.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 1/2" x 1/2" female
3/8" x 1/2" female

ART. 4060

Code	size	outlets	€	box	pack
4060 3438	3/4"	3/8"x1/2"	6,17	25	250
4060 3412	3/4"	1/2"x1/2"	6,17	25	250
4060 138	1"	3/8"x1/2"	6,82	25	250
4060 112	1"	1/2"x1/2"	6,82	25	250
4060 11438	1"1/4	3/8"x1/2"	8,97	20	200
4060 11412	1"1/4	1/2"x1/2"	8,97	20	200
4060 11238	1"1/2	3/8"x1/2"	11,00	1	-
4060 11212	1"1/2	1/2"x1/2"	11,00	1	-



Chrome-plated terminal connection for manifolds. Double radial connection.

- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 1/2" x 1/2" female
3/8" x 1/2" female

ART. 4061

Code	size	outlets	€	box	pack
4061 3438	3/4"	3/8"x1/2"	6,67	25	250
4061 3412	3/4"	1/2"x1/2"	6,67	25	250
4061 138	1"	3/8"x1/2"	8,02	25	250
4061 112	1"	1/2"x1/2"	8,02	25	250
4061 11438	1"1/4	3/8"x1/2"	10,54	20	200
4061 11412	1"1/4	1/2"x1/2"	10,54	20	200
4061 11238	1"1/2	3/8"x1/2"	12,90	1	-
4061 11212	1"1/2	1/2"x1/2"	12,90	1	-



Chrome-plated boiler drain cock.

ART. 3439

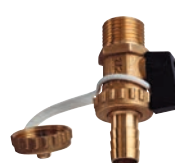
Code	size	€	box
3439 12	1/2"	9,53	10



Brass boiler drain cock.

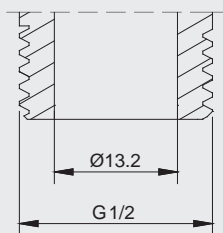
ART. 3447

Code	size	€	box
3447 12	1/2"	8,25	10



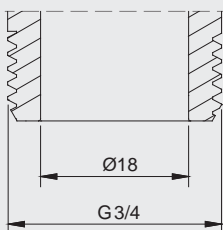
FLAT FACED CONNECTION

This kind of connection has a flat base on the thread head, which provides support for a flat gasket. It is available in 1/2" and 3/4" sizes.



1/2" FLAT FACED CONNECTION

Available for the following manifolds:
3175-3225-3275-3475-3525-3575-3625-3675-3725-3821-3822-3823-3824-3818-3819-3859-3860-3869-3870-3872-3873

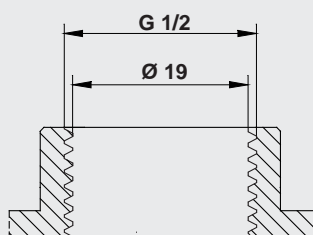


3/4" FLAT FACED CONNECTION

Available for the following manifolds:
3625-3675-3725-3821-3822-3824-3860-3870-3873

IRON FEMALE CONNECTION

It is the normal female connection for iron pipe with BSP thread. It is available with 1/2" size.



1/2" IRON FEMALE CONNECTION

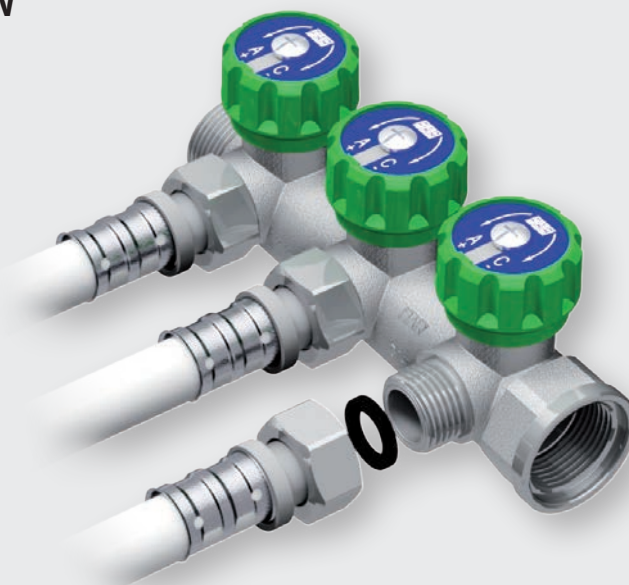
Available for the following manifolds:
3150-3200-3250-3450-3500-3550-3600-3650-3700-3710

OVERVIEW OF FLAT FACED CONNECTION

For connection of multilayer pipes on flat faced ports, it is possible to use pressfittings with swiveling nut.

The available fittings (ART. 5919) are shown on page 233.

The seal between fitting and manifold is guaranteed by a flat EPDM gasket.



MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connections: 3/4" - 1" male-female
- Outlets: 1/2"-3/4" male
- Centre distance between ports: 45 mm



NB Insulation on page 161


ART. 3821

Code	outlets	size	€	box	pack
3821 3412TP	1/2" FLAT FACED	3/4"	20,59	1	25
3821 3412EU	1/2" EUROKONUS	3/4"	20,59	1	25
3821 112TP	1/2" FLAT FACED	1"	23,67	1	25
3821 112EU	1/2" EUROKONUS	1"	23,67	1	25
3821 134TP	3/4" FLAT FACED	1"	23,87	1	25
3821 134EU	3/4" EUROKONUS	1"	23,87	1	25

MULTIFAR - 4 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connections: 3/4" female-female
- Outlets: 1/2" male
- Centre distance between ports: 45 mm


ART. 3823

Code	outlets	size	€	box	pack
3823 3412TP	1/2" FLAT FACED	3/4"	37,26	1	25
3823 3412EU	1/2" EUROKONUS	3/4"	37,26	1	25

MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connection: 3/4" female
- Outlets: 1/2" male
- Centre distance between ports: 45 mm


ART. 3818

Code	outlets	size	€	box	pack
3818 3412TP	1/2" FLAT FACED	3/4"	20,59	1	25
3818 3412EU	1/2" EUROKONUS	3/4"	20,59	1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connections: 3/4" - 1" male-female
- Outlets: 1/2"-3/4" male
- Centre distance between ports: 45 mm



NB Insulation on page 161


ART. 3822

Code	outlets	size	€	box	pack
3822 3412TP	1/2" FLAT FACED	3/4"	28,43	1	25
3822 3412EU	1/2" EUROKONUS	3/4"	28,43	1	25
3822 112TP	1/2" FLAT FACED	1"	31,64	1	25
3822 112EU	1/2" EUROKONUS	1"	31,64	1	25
3822 134TP	3/4" FLAT FACED	1"	31,98	1	25
3822 134EU	3/4" EUROKONUS	1"	31,98	1	25

MULTIFAR - 4 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connections: 3/4" - 1" male-female
- Outlets: 1/2"-3/4" male
- Centre distance between ports: 45 mm



NB Insulation on page 161


ART. 3824

Code	outlets	size	€	box	pack
3824 3412TP	1/2" FLAT FACED	3/4"	37,26	1	25
3824 3412EU	1/2" EUROKONUS	3/4"	37,26	1	25
3824 112TP	1/2" FLAT FACED	1"	41,87	1	25
3824 112EU	1/2" EUROKONUS	1"	41,87	1	25
3824 134TP	3/4" FLAT FACED	1"	42,30	1	25
3824 134EU	3/4" EUROKONUS	1"	42,30	1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connection: 3/4" female
- Outlets: 1/2" male
- Centre distance between ports: 45 mm


ART. 3819

Code	outlets	size	€	box	pack
3819 3412TP	1/2" FLAT FACED	3/4"	28,43	1	25
3819 3412EU	1/2" EUROKONUS	3/4"	28,43	1	25

MULTIFAR - Chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body made of CB753S brass
- Side connections: 3/4" - 1" male-female
- Outlets: 1/2"-3/4" male
- Centre distance between ports: 45 mm



ART. 3860-3870-3873

Code	outlets	size	€	box	pack
3860 3412TP	2 - 1/2" FLAT FACED	3/4"	19,81	1	25
3860 3412EU	2 - 1/2" EUROKONUS	3/4"	19,81	1	25
3860 112TP	2 - 1/2" FLAT FACED	1"	22,87	1	25
3860 112EU	2 - 1/2" EUROKONUS	1"	22,87	1	25
3860 134TP	2 - 3/4" FLAT FACED	1"	23,10	1	25
3860 134EU	2 - 3/4" EUROKONUS	1"	23,10	1	25
3870 3412TP	3 - 1/2" FLAT FACED	3/4"	27,30	1	25
3870 3412EU	3 - 1/2" EUROKONUS	3/4"	27,30	1	25
3870 112TP	3 - 1/2" FLAT FACED	1"	30,52	1	25
3870 112EU	3 - 1/2" EUROKONUS	1"	30,52	1	25
3870 134TP	3 - 3/4" FLAT FACED	1"	30,84	1	25
3870 134EU	3 - 3/4" EUROKONUS	1"	30,84	1	25
3873 3412TP	4 - 1/2" FLAT FACED	3/4"	35,74	1	25
3873 3412EU	4 - 1/2" EUROKONUS	3/4"	35,74	1	25
3873 112TP	4 - 1/2" FLAT FACED	1"	40,35	1	25
3873 112EU	4 - 1/2" EUROKONUS	1"	40,35	1	25
3873 134TP	4 - 3/4" FLAT FACED	1"	40,78	1	25
3873 134EU	4 - 3/4" EUROKONUS	1"	40,78	1	25

MULTIFAR - Chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body made of CB753S brass
- Numbered regulating handle with anti-tamper guard
- Outlets: 1/2" - 3/4" male
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm



ART. 3879



Code	outlets	size	€	box	pack
3879 341202EU	2 - 1/2"	3/4"	21,34	1	25
3879 341203EU	3 - 1/2"	3/4"	29,57	1	25
3879 341204EU	4 - 1/2"	3/4"	39,02	1	25
3879 11202EU	2 - 1/2"	1"	24,77	1	25
3879 11203EU	3 - 1/2"	1"	32,85	1	25
3879 11204EU	4 - 1/2"	1"	43,52	1	25
3879 13402EU	2 - 3/4"	1"	24,99	1	25
3879 13403EU	3 - 3/4"	1"	33,18	1	25
3879 13404EU	4 - 3/4"	1"	43,96	1	25

MULTIFAR - 4 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body made of CB753S brass
- Side connections: 3/4" female-female
- Outlets: 1/2" male
- Centre distance between ports: 45 mm



ART. 3872

Code	outlets	size	€	box	pack
3872 3412TP	1/2" FLAT FACED	3/4"	35,74	1	25
3872 3412EU	1/2" EUROKONUS	3/4"	35,74	1	25

MULTIFAR - Chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body made of CB753S brass
- Side connection: 3/4" female
- Outlets: 1/2" male
- Centre distance between ports: 45 mm



ART. 3859-3869

Code	outlets	size	€	box	pack
3859 3412TP	2 - 1/2" FLAT FACED	3/4"	19,81	1	25
3859 3412EU	2 - 1/2" EUROKONUS	3/4"	19,81	1	25
3869 3412TP	3 - 1/2" FLAT FACED	3/4"	27,30	1	25
3869 3412EU	3 - 1/2" EUROKONUS	3/4"	27,30	1	25

Chrome-plated manifold.

- Body made of CB753S brass
- Side connection: 3/4"-1" female
- Outlets: 1/2" female
- Centre distance between ports: 36 mm


ART. 3150-3200-3250

Code	outlets	size	€	box	pack
3150 34	2	3/4"	7,46	14	140
3150 1	2	1"	8,94	12	120
3200 34	3	3/4"	10,19	10	100
3200 1	3	1"	11,78	8	80
3250 34	4	3/4"	13,12	8	80
3250 1	4	1"	16,11	6	60

Chrome-plated modular manifold.

- Body made of CB753S brass
- Side connections: 3/4"-1" male-female
- Outlets: 1/2" female
- Centre distance between ports: 36 mm


ART. 3450-3500-3550

Code	outlets	size	€	box	pack
3450 34	2	3/4"	8,13	12	120
3450 1	2	1"	9,57	10	100
3500 34	3	3/4"	11,63	9	90
3500 1	3	1"	13,40	7	70
3550 34	4	3/4"	13,90	8	80
3550 1	4	1"	16,08	6	60

Chrome-plated modular manifold.

- Body made of CB753S brass
- Side connections: 3/4"-1"-1"1/4 male - female
- Outlets: 1/2" female
- Centre distance between ports: 50 mm


ART. 3600-3650-3700

Code	outlets	size	€	box	pack
3600 34	2	3/4"	9,88	12	120
3600 1	2	1"	11,43	8	80
3600 114	2	1"1/4	16,31	8	80
3650 34	3	3/4"	13,54	8	80
3650 1	3	1"	15,55	6	60
3650 114	3	1"1/4	24,23	6	60
3700 34	4	3/4"	17,34	6	60
3700 1	4	1"	20,08	4	40
3700 114	4	1"1/4	28,49	4	40

Chrome-plated modular FLANGED manifold complete with screws and O-ring for connection.

- Body made of CB753S brass
- Side connections: 1" female-female
- Outlets: 1/2" female
- Centre distance between ports: 50 mm


ART. 3710

Code	outlets	size	€	box
3710 102	2	1"	16,33	1
3710 103	3	1"	20,88	1
3710 104	4	1"	35,29	1
3710 105	5	1"	39,77	1
3710 106	6	1"	44,26	1
3710 107	7	1"	58,44	1
3710 108	8	1"	62,93	1
3710 109	9	1"	67,41	1
3710 110	10	1"	80,89	1
3710 111	11	1"	85,34	1
3710 112	12	1"	89,81	1

Chrome-plated manifold.

- Body made of CB753S brass
- Side connection: 3/4"-1" female
- Outlets: 1/2" male
- Centre distance between ports: 36 mm
- AVAILABLE ONLY WITH FLAT FACED CONNECTION



ART. 3175-3225-3275

Code	outlets	size	€	box	pack
3175 34	2	3/4"	7,19	14	140
3175 1	2	1"	8,59	12	120
3225 34	3	3/4"	10,19	10	100
3225 1	3	1"	11,32	8	80
3275 34	4	3/4"	13,12	8	80
3275 1	4	1"	15,49	6	60

Chrome-plated modular manifold.

- Body made of CB753S brass
- Side connections: 3/4"-1" male-female
- Outlets: 1/2" male
- Centre distance between ports: 36 mm



ART. 3475-3525-3575

Code	outlets	size	€	box	pack
3475 34TP	2 - 1/2" FLAT FACED	3/4"	8,13	12	120
3475 34EU	2 - 1/2" EUROKONUS	3/4"	8,13	12	120
3475 1TP	2 - 1/2" FLAT FACED	1"	9,57	10	100
3475 1EU	2 - 1/2" EUROKONUS	1"	9,57	10	100
3525 34TP	3 - 1/2" FLAT FACED	3/4"	11,19	9	90
3525 34EU	3 - 1/2" EUROKONUS	3/4"	11,19	9	90
3525 1TP	3 - 1/2" FLAT FACED	1"	13,40	7	70
3525 1EU	3 - 1/2" EUROKONUS	1"	13,40	7	70
3575 34TP	4 - 1/2" FLAT FACED	3/4"	13,90	8	80
3575 34EU	4 - 1/2" EUROKONUS	3/4"	13,90	8	80
3575 1TP	4 - 1/2" FLAT FACED	1"	16,08	6	60
3575 1EU	4 - 1/2" EUROKONUS	1"	16,08	6	60

Chrome-plated modular manifold.

- Body made of CB753S brass
- Side connections: 3/4" male-female
- Outlets: 1/2" male
- Side connections: 1"-1"1/4 male-female
- Outlets: 1/2"-3/4" male
- Centre distance between ports: 50 mm



ART. 3625

Code	outlets	size	€	box	pack
3625 3412TP	2 - 1/2" FLAT FACED	3/4"	9,88	12	120
3625 3412EU	2 - 1/2" EUROKONUS	3/4"	9,88	12	120
3625 112TP	2 - 1/2" FLAT FACED	1"	11,43	8	80
3625 112EU	2 - 1/2" EUROKONUS	1"	11,43	8	80
3625 134TP	2 - 3/4" FLAT FACED	1"	11,64	8	80
3625 134EU	2 - 3/4" EUROKONUS	1"	11,64	8	80
3625 11412TP	2 - 1/2" FLAT FACED	1"1/4	16,31	8	80
3625 11412EU	2 - 1/2" EUROKONUS	1"1/4	16,31	8	80
3625 11434TP	2 - 3/4" FLAT FACED	1"1/4	16,51	8	80
3625 11434EU	2 - 3/4" EUROKONUS	1"1/4	16,51	8	80

ART. 3675-3725

Code	outlets	size	€	box	pack
3675 3412TP	3 - 1/2" FLAT FACED	3/4"	13,54	8	80
3675 3412EU	3 - 1/2" EUROKONUS	3/4"	13,54	8	80
3675 112TP	3 - 1/2" FLAT FACED	1"	15,55	6	60
3675 112EU	3 - 1/2" EUROKONUS	1"	15,55	6	60
3675 134TP	3 - 3/4" FLAT FACED	1"	15,87	6	60
3675 134EU	3 - 3/4" EUROKONUS	1"	15,87	6	60
3675 11412TP	3 - 1/2" FLAT FACED	1"1/4	23,30	6	60
3675 11412EU	3 - 1/2" EUROKONUS	1"1/4	23,30	6	60
3675 11434TP	3 - 3/4" FLAT FACED	1"1/4	23,60	6	60
3675 11434EU	3 - 3/4" EUROKONUS	1"1/4	23,60	6	60
3725 3412TP	4 - 1/2" FLAT FACED	3/4"	17,34	6	60
3725 3412EU	4 - 1/2" EUROKONUS	3/4"	17,34	6	60
3725 112TP	4 - 1/2" FLAT FACED	1"	20,08	4	40
3725 112EU	4 - 1/2" EUROKONUS	1"	20,08	4	40
3725 134TP	4 - 3/4" FLAT FACED	1"	20,53	4	40
3725 134EU	4 - 3/4" EUROKONUS	1"	20,53	4	40
3725 11412TP	4 - 1/2" FLAT FACED	1"1/4	28,49	4	40
3725 11412EU	4 - 1/2" EUROKONUS	1"1/4	28,49	4	40
3725 11434TP	4 - 3/4" FLAT FACED	1"1/4	28,91	4	40
3725 11434EU	4 - 3/4" EUROKONUS	1"1/4	28,91	4	40

Chrome-plated straight terminal blanking reduction for modular manifolds complete with gasket.

- Connection: 3/4"-1" female
- Outlets: 1/4"-3/8"-1/2" female
- Connection: 1"1/4 female
- Outlets: 1/4"-3/8"-1/2" female

ART. 4000

Code	size	€	box	pack
4000 3414	3/4"x1/4"	2,69	30	300
4000 3438	3/4"x3/8"	2,69	30	300
4000 3412	3/4"x1/2"	2,69	30	300
4000 114	1"x1/4"	3,52	30	300
4000 138	1"x3/8"	3,52	30	300
4000 112	1"x1/2"	3,52	30	300
4000 11414	1"1/4x1/4"	3,90	25	250
4000 11438	1"1/4x3/8"	3,90	25	250
4000 11412	1"1/4x1/2"	3,90	25	250
4000 11434	1"1/4x3/4"	4,61	25	250



Chrome-plated angled terminal blanking reduction for modular manifolds.

- Connection: 3/4"-1"- 1"1/4 female
- Outlets: 1/4"-3/8"-1/2" female

ART. 4050

Code	size	€	box	pack
4050 3414	3/4"x1/4"	3,99	30	240
4050 3438	3/4"x3/8"	3,99	30	240
4050 3412	3/4"x1/2"	3,99	30	240
4050 114	1"x1/4"	5,00	30	180
4050 138	1"x3/8"	5,00	30	180
4050 112	1"x1/2"	5,00	30	180
4050 11438	1"1/4x3/8"	6,66	30	180
4050 11412	1"1/4x1/2"	6,66	30	180



Chrome-plated blind cap complete with gasket.

ART. 4100

Code	size	€	box	pack
4100 12	1/2"	1,36	50	500
4100 34	3/4"	2,05	40	400
4100 1	1"	2,76	30	300
4100 114	1"1/4	3,48	30	300
4100 112	1"1/2	5,73	15	240
4100 2	2"	8,90	15	240



Chrome-plated male plug for manifold outlets.

ART. 4125

Code	size	€	box	pack
4125 12	1/2"	1,11	30	-



Chrome-plated terminal blanking reduction with O-ring seal for manifolds with connection for air vent valve.

ART. 4200

Code	size	€	box	pack
4200 3414	3/4"x1/4"	2,53	25	250
4200 3438	3/4"x3/8"	2,53	25	250
4200 3412	3/4"x1/2"	2,76	25	250
4200 114	1"x1/4"	2,93	25	250
4200 138	1"x3/8"	2,93	25	250
4200 112	1"x1/2"	3,15	25	250
4200 134	1"x3/4"	5,06	25	250
4200 11412	1"1/4x1/2"	4,46	25	250
4200 11434	1"1/4x3/4"	5,42	25	250
4200 1141	1"1/4x1"	5,42	25	250
4200 1121	1"1/2x1"	7,80	10	100
4200 21	2"x1"	12,44	10	100

Chrome-plated terminal blanking plug with O-ring seal for manifolds.

ART. 4150

Code	size	€	box	pack
4150 34	3/4"	2,34	25	250
4150 1	1"	2,75	25	250
4150 114	1"1/4	4,55	25	250
4150 112	1"1/2	7,43	10	100
4150 2	2"	11,82	10	100



End closing plug for flanged manifolds.


ART. 4310

Code	size	€	box
4310 1	1"	3,69	30

SIMPLYFAR - Chrome plated extensible and repair joint.

- Body made of brass CW614N
- 3/4" EUROKONUS connections
- EPDM double sealing O-ring
- Suitable for underfloor installation

SIMPLYFAR
repair joint



ART. 8881



Code	extension	size	€	box	pack
8881 3034EU	66-95 mm	3/4"	14,66	5	-

The extensible FAR joint with EUROKONUS connections can be used as a repair joint in case of leaks or damaged pipes and, if needed, as an extension with a maximum expansion of 95 mm.



INSTALLATION

<p>1 Find the leakage on the pipe</p>	<p>2 Cut the portion of damaged pipe taking the following dimensions as a reference</p> <p>PLASTIC AND MULTILAYER PIPE 94mm</p> <p>COPPER PIPE 66mm</p>
<p>3 Insert the adapters and place the joint.</p>	<p>4 Extend the joint until it's completely screwed in and connected to the pipe</p>

Chrome-plated nipple.

- Fitting body in CW617N stamped brass
- Male eurokonus connection

ART. 5800


Code	size	€	box	pack
5800 12	1/2"	1,86	50	500
5800 34	3/4"	3,61	50	500

Chrome-plated nipple.

- Fitting body in CW617N stamped brass
- Male eurokonus connection-female connection

ART. 5805


Code	size	€	box	pack
5805 12	1/2"	1,97	50	500
5805 34	3/4"	3,84	50	500

Chrome-plated elbow.

- Fitting body in CW617N stamped brass
- Male eurokonus connection

ART. 5810


Code	size	€	box	pack
5810 12	1/2"	3,36	25	250
5810 34	3/4"	4,70	25	250

Chrome-plated elbow.

- Fitting body in CW617N stamped brass
- Male eurokonus connection-female connection

ART. 5815


Code	size	€	box	pack
5815 12	1/2"	3,61	25	250
5815 34	3/4"	5,04	25	250

Chrome-plated T connection.

- Fitting body in CW617N stamped brass
- 1/2"x1/2"x1/2" male eurokonus connections

ART. 5820


Code	size	€	box	pack
5820 12	1/2"	4,03	25	250

Chrome-plated T connection.

- Fitting body in CW617N stamped brass
- 1/2"x1/2" X1/2" male-female eurokonus connections

ART. 5825


Code	size	€	box	pack
5825 12	1/2"	4,52	25	250

Chrome-plated wall-mounted connection.

- Fitting body in CW617N stamped brass
- 1/2" male eurokonus connection

ART. 5830


Code	size	€	box	pack
5830 12	1/2"	5,23	25	250

Chrome-plated bent connection for domestic systems.

- Fitting body in CW617N stamped brass
- 1/2" male eurokonus connection

ART. 5835


Code	size	€	box	pack
5835 12	1/2"	4,43	25	250

Chrome-plated flow-through straight connection.

- Fitting body in CW617N stamped brass
- 1/2"x1/2" male eurokonus connections

ART. 5840


Code	size	€	box	pack
5840 12	1/2"	7,48	25	250

Chrome-plated flow-through "L" connection.

- Fitting body in CW617N stamped brass
- 1/2"x1/2" male eurokonus connections

ART. 5845


Code	size	€	box	pack
5845 12	1/2"	7,06	25	250

Chrome-plated terminal connection.

- Fitting body in CW617N stamped brass
- 1/2" male eurokonus connection

ART. 5850


Code	size	€	box	pack
5850 12	1/2"	5,77	25	250

Adapter for plastic pipes complete with chrome-plated nut. Suitable for all our products with EUROKONUS connection.

Adapter for multilayer pipes complete with chrome-plated nut. Suitable for all our products with EUROKONUS connection.



ART. 6075

Code	nut	size	€	box	pack
6075 65851	1/2"	14x2	3,19	50	500
6075 581007	1/2"	16x2	3,19	50	500
6075 58845	1/2"	16x2,2	3,19	50	500
6075 65847	3/4"	14x2	3,98	50	500
6075 823999	3/4"	16x2	3,98	50	500
6075 823855	3/4"	16x2,2	3,98	50	500
6075 150283	3/4"	17x2	3,98	50	500
6075 825848	3/4"	20x2	3,98	50	500
6075 825846	3/4"	20x2,8	3,98	50	500
6075 288287	3/4"	21x2,4	3,98	50	500
6075 288286	3/4"	21x2,5	3,98	50	500
6075 288849	3/4"	21x3,5	3,98	50	500



ART. 6076

Code	nut	size	€	box	pack
6076 65803	1/2"	14x2	3,30	50	500
6076 58802	1/2"	16x2	3,30	50	500
6076 65850	3/4"	14x2	4,06	50	500
6076 823824	3/4"	16x2	4,06	50	500
6076 150875	3/4"	17x2	4,06	50	500
6076 44839	3/4"	18x2	4,06	50	500
6076 825826	3/4"	20x2	4,06	50	500
6076 825844	3/4"	20x2,5	4,06	50	500
6076 2881135	3/4"	21x3,5	4,06	50	500

Sealing compression KIT in rubber for copper pipe.

- brass pipe guide washer
- rubber gasket
- brass ring
- 3/4" chrome-plated nut



ART. 8420

Code	nut	size	€	box	pack
8420 15	3/4"	15	3,74	50	500

Sealing compression KIT in rubber for copper pipe.

- rubber gasket
- brass ring
- 3/4" chrome-plated nut



ART. 8421

Code	nut	size	€	box	pack
8421 18	3/4"	18	3,29	50	500

EUROKONUS CONNECTION

Eurokonus connections are available for 1/2" and 3/4" sizes.

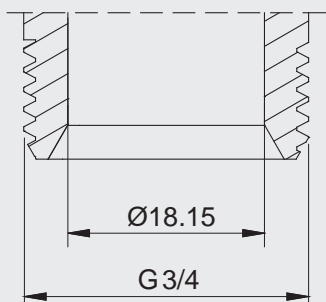
They permit connection of multilayer, plastic and copper pipes to manifolds by means of adapters:

- Art. 6075 for plastic pipe
- Art. 6076 for multilayer pipe
- Art. 8420 and 8421 for copper pipe

1/2" EUROKONUS CONNECTION

Available for the following manifolds:

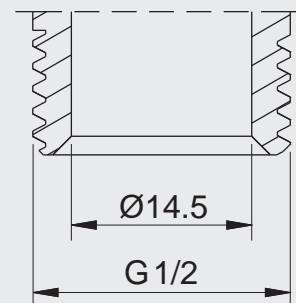
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3/4" EUROKONUS CONNECTION

Available for the following manifolds:

3466-3467-3468-3469-3470-3471-3485-3486-3487-3488-3489-3492-3580-3581-3582-3583-3584-3585-3586-3587-3588-3589-3590-3591-3625-3675-3725-3821-3822-3824-3860-3870-3873-3879-3911-3917-3918-3919-3921-3928-3980-3981-3982-3983





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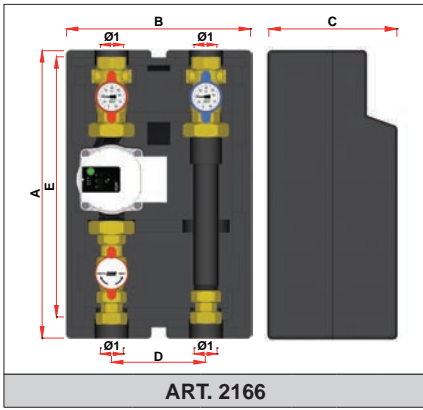
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0103	347	0282	348	1452	345	1828	344	2178	315	2864	322
0104	347	0285	348	1455	345	1834	346	2179	315	2865	322
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0111	347	1051	342	1472	346	1921	329	2200	318	2870	322
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0117	348	1116	341	1484	344	2005	321	2212	317	3000	337
0118	348	1117	341	1485	343	2006	325	2214	318	3001	327
0119	348	1126	341	1486	343	2007	321	2216	319	300115	327
0121	347	1127	341	1487	343	2008	321	2220	318	300116	327
0122	347	1136	341	1488	343	2009	325	2222	318	300117	327
0123	347	1137	341	1489	343	2011	321	2225	318	300120	327
0124	347	1146	341	1490	343	2012	321	2227	318	300121	327
0126	348	1147	341	1491	343	2020	317	2229	319	300122	327
0127	348	1150	342	1492	343	2021	317	2231	319	300125	327
0128	347	1151	342	1500	346	2040	320	2233	319	3002	327
0129	347	1155	343	1550	345	2042	326	2235	319	3005	327
0131	347	1200	342	1575	345	2043	320	2236	316	300515	328
0132	347	1211	342	1585	345	2045	320	2241	316	300516	328
0133	347	1215	343	1590	345	2050	320	2250	318	300517	328
0134	347	1250	342	1595	345	2055	320	2252	326	300520	328
0136	348	1251	342	1600	345	2060	320	2253	318	300521	328
0137	348	1255	343	1610	342	2065	320	2254	319	300522	328
0138	348	1300	342	1611	341	2066	320	2255	318	300525	328
0139	348	1305	343	1615	341	2068	326	2257	318	3006	327
0146	348	1311	342	1616	341	2075	320	2258	316	3007	327
0147	348	1350	342	1617	341	2080	320	2259	319	300715	328
0148	347	1351	342	1618	341	2100	320	2271	319	300716	328
0149	347	1355	343	1620	342	2105	320	2272	319	300717	328
0166	348	1400	342	1621	341	2106	320	2273	317	300720	328
0167	348	1411	342	1625	341	2110	320	2273	319	300721	329
0168	347	1415	343	1626	341	2112	320	2274	319	300722	328
0169	347	1420	343	1627	341	2116	320	2275	319	300724	326
0185	348	1421	344	1628	341	2129	322	2277	320	300725	329
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0225	348	1425	344	1636	341	2137	322	2392	324	3010	317
0235	348	1428	344	1637	341	2138	321	2400	321	301020	317
0245	348	1430	343	1638	341	2139	322	2800	324	301021	317
0255	348	1431	344	1640	342	2161	316	2805	324	301022	317
0261	347	1432	343	1641	341	2162	317	2810	324	3011	317
0262	347	1433	343	1645	341	2164	316	2815	324	3012	317
0263	347	1435	344	1646	341	2165	317	2820	324	301220	317
0264	347	1436	343	1647	341	2166	315	2825	324	3015	329
0265	348	1437	343	1648	341	2167	315	2830	324	3016	329
0266	347	1438	344	1800	346	2168	315	2835	324	3017	329
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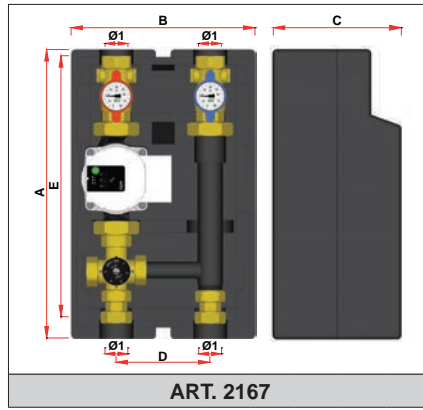
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3048	325	3432	339	3610	338	3914	331	39M5	323	5516	352
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3094	329	3550	337	3855	337	3959	326	5190	321	5909	349
3098	324	3561	333	3856	337	3966	317	5226	346	5910	349
3099	324	3563	331	3859	337	3967	322	5227	346	5911	350

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
5912	350	7500	339								
5913	349	7510	339								
5914	351	7551	339								
5915	350	7553	340								
5916	349	7955	320								
5917	351	8311	321								
5918	350	8313	321								
5919	350	8321	321								
5920	351	8323	321								
5921	350	8335	345								
5922	351	8336	345								
5923	350	8344	315								
5924	350	8345	315								
5925	351	8346	315								
5926	351	8820	346								
5927	351	8875	348								
5928	351	8876	346								
5930	351	8880	351								
5942	325	8881	339								
5943	325	9001	352								
5944	325	9002	352								
5945	325	9003	352								
5946	325	9004	352								
5947	325										
5948	339										
5949	339										
5951	339										
5960	351										
5961	351										
5962	351										
5963	351										
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5965	351										
5970	351										
5971	351										
5972	351										
5973	351										
5974	351										
5975	351										
6135	346										
7148	340										
7149	340										
7150	340										
7152	340										
7158	340										
7165	340										
7166	340										
7410	340										
7420	340										
7425	340										
7450	340										
7460	340										
7470	340										
7475	339										
7478	315										
7480	340										



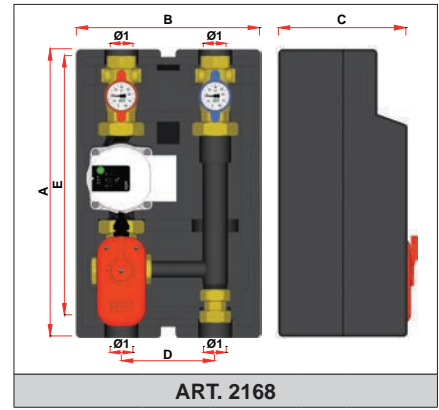
ART. 2166

CODE	Ø1	A	B	C	D	E
2166 1130EA	G1	384	245	170	125	345
2166 1180xx	G1	434	245	170	125	395
2166 114180xx	G1 1/4	434	245	170	125	412



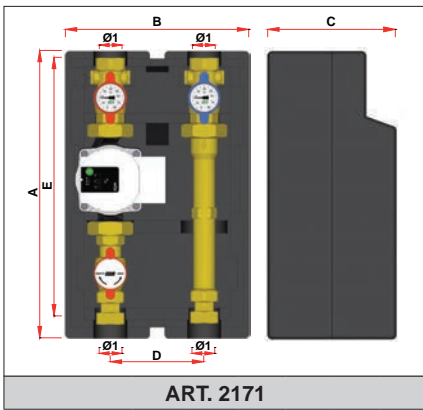
ART. 2167

CODE	Ø1	A	B	C	D	E
2167 1130EA	G1	384	245	170	125	345
2167 1180xx	G1	434	245	170	125	395



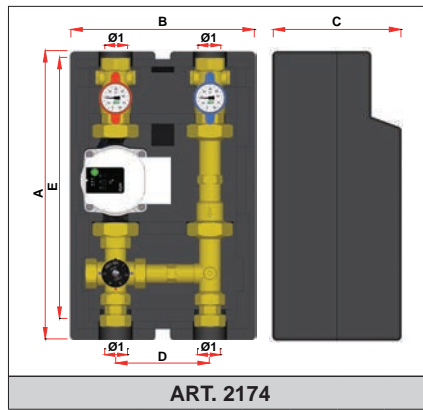
ART. 2168

CODE	Ø1	A	B	C	D	E
2168 1130EA	G1	384	245	170	125	345
2168 1180xx	G1	434	245	170	125	395
2168 114180xx	G1 1/4	434	245	170	125	412



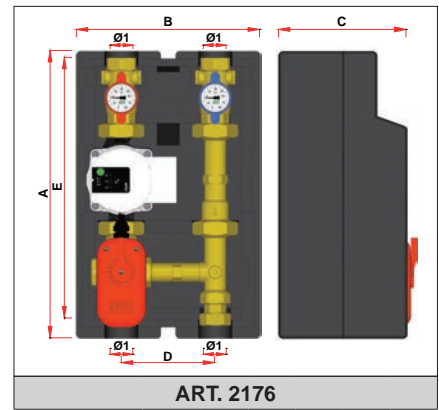
ART. 2171

CODE	Ø1	A	B	C	D	E
2171 1130EA	G1	384	245	170	125	345
2171 1180xx	G1	434	245	170	125	395



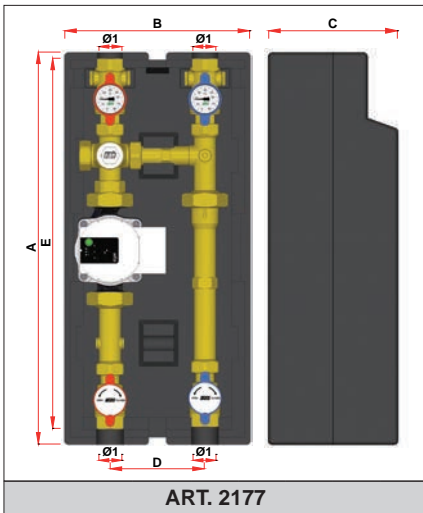
ART. 2174

CODE	Ø1	A	B	C	D	E
2174 1130EA	G1	384	245	170	125	345
2174 1180xx	G1	434	245	170	125	395



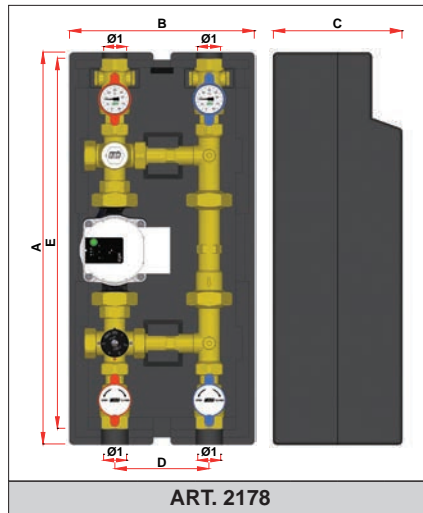
ART. 2176

CODE	Ø1	A	B	C	D	E
2176 1130EA	G1	384	245	170	125	345
2176 1180xx	G1	434	245	170	125	395



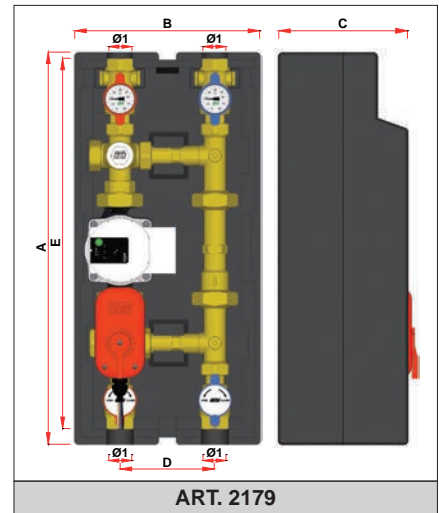
ART. 2177

CODE	Ø1	A	B	C	D	E
2177 1130EA	G1	519	245	170	125	490



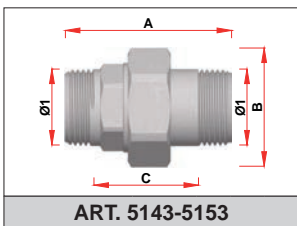
ART. 2178

CODE	Ø1	A	B	C	D	E
2178 1130EA	G1	519	245	170	125	490



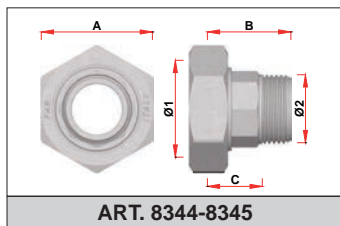
ART. 2179

CODE	Ø1	A	B	C	D	E
2179 1130EA	G1	519	245	183	125	490



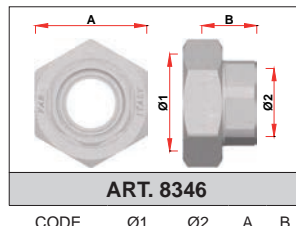
ART. 5143-5153

CODE	Ø1	A	B	C
5143-5153 12	G1/2	60	33	38
5143-5153 34	G3/4	65	41	42
5143-5153 1	G1	73	52	47
5143-5153 114	G1 1/4	81	62	50



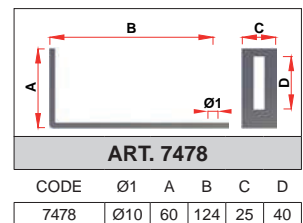
ART. 8344-8345

CODE	Ø1	Ø2	A	B	C
8344-8345 341	G1	R3/4	37	32	20
8344-8345 34	G1 1/2	R3/4	54	40	26
8344-8345 1	G1 1/2	R1	54	40	26



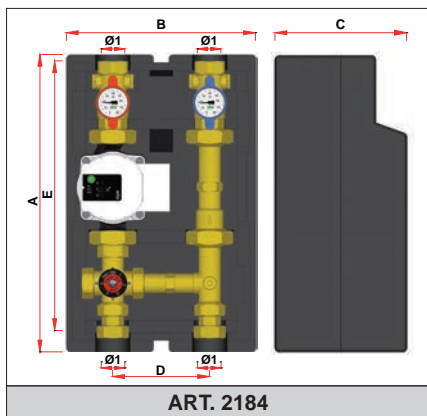
ART. 8346

CODE	Ø1	Ø2	A	B
8346 34	G1 1/2	G3/4	54	23
8346 1	G1 1/2	G1	54	26
8346 114	G2	G1 1/4	68	29
8346 112	G2 1/4	G1 1/2	74	33
8346 2	G2 1/4	G2	74	59



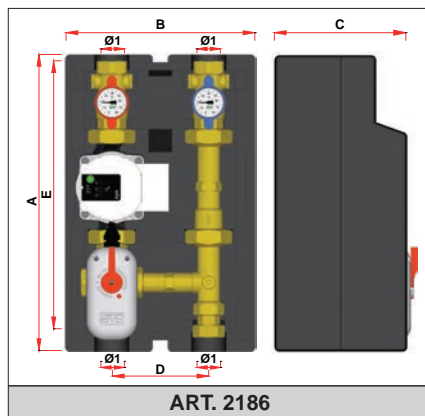
ART. 7478

CODE	Ø1	A	B	C	D
7478	Ø10	60	124	25	40



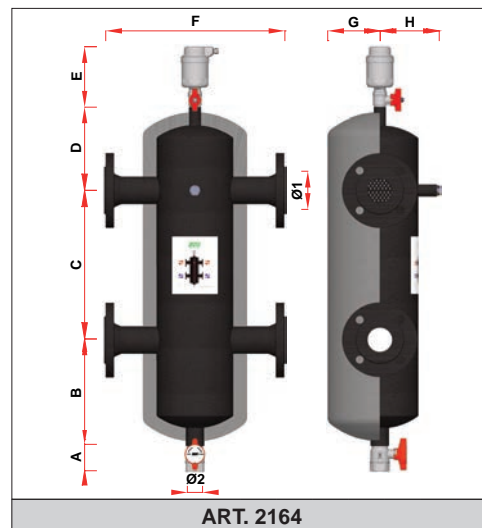
ART. 2184

CODE	Ø1	A	B	C	D	E
2184 1130EA	G1	384	245	170	125	345
2184 1180xx	G1	434	245	170	125	395



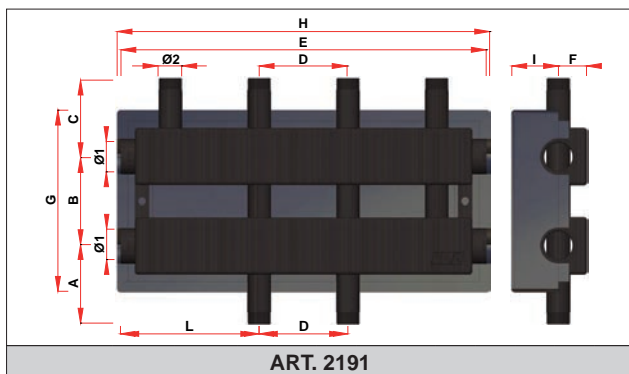
ART. 2186

CODE	Ø1	A	B	C	D	E
2186 1130EA	G1	384	245	170	125	345
2186 1180xx	G1	434	245	170	125	395



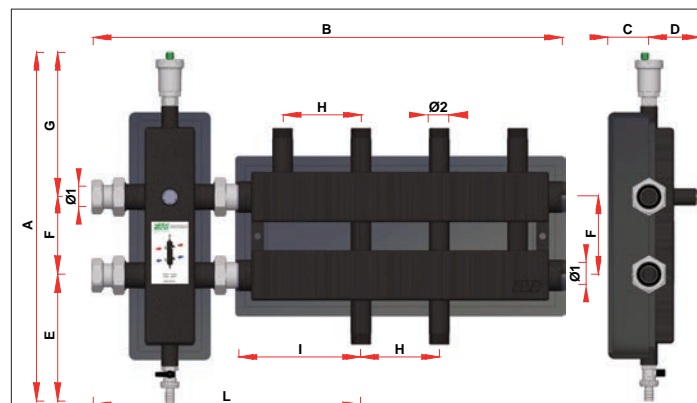
ART. 2164

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
2164 50	DN50	G1	57	234	330	184	131	393	114	132
2164 65	DN65	G1	57	234	330	184	131	393	114	132
2164 80	DN80	G1	57	280	450	230	131	511	167	184
2164 100	DN100	G1	57	280	450	230	131	511	167	184



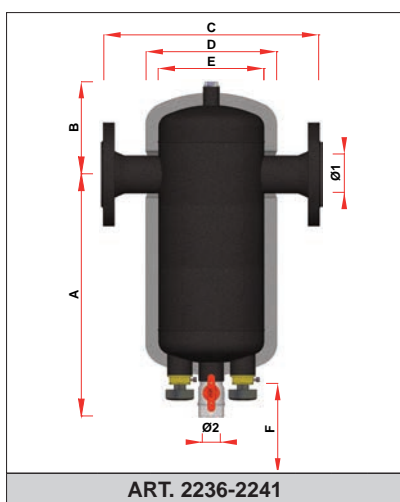
ART. 2191

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H	I	L
2191 11402	G1 1/4	G1	110	125	110	125	515	40	255	525	65	195
2191 11403	G1 1/4	G1	110	125	110	125	765	40	255	775	65	195
2191 202	G2	G1 1/4	130	165	130	125	515	60	335	525	85	195
2191 203	G2	G1 1/4	130	165	130	125	765	60	335	775	85	195
2191 204	G2	G1 1/4	130	165	130	125	1015	60	335	1025	85	195



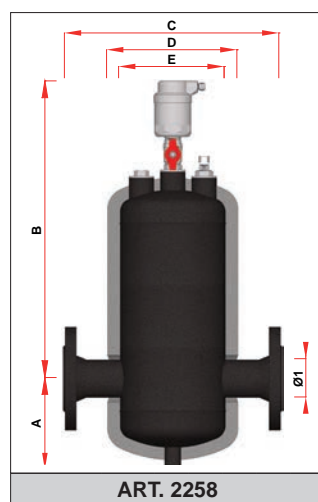
ART. 2192

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H	I	L
2192 11402	G1 1/4	G1	559	755	65	83	203	125	231	125	195	430
2192 11403	G1 1/4	G1	559	1005	65	83	203	125	231	125	195	430



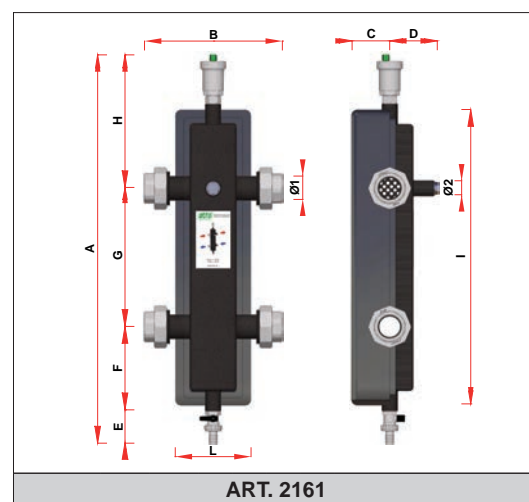
ART. 2236-2241

CODE	Ø1	Ø2	A	B	C	D	E	F
2236 50	DN50	G1	387	148	350	208	168	--
2236 65	DN65	G1	387	148	350	208	168	--
2236 80	DN80	G1	497	178	517	313	273	--
2236 100	DN100	G1	497	178	517	313	273	--
2241 50	DN50	G1	387	148	350	208	168	140
2241 65	DN65	G1	387	148	350	208	168	140
2241 80	DN80	G1	497	178	517	313	273	140
2241 100	DN100	G1	497	178	517	313	273	140



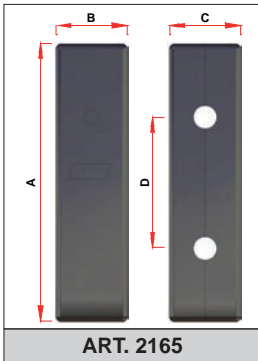
ART. 2258

CODE	Ø1	A	B	C	D	E
2258 50	DN50	148	475	350	208	168
2258 65	DN65	148	475	350	208	168
2258 80	DN80	178	585	517	313	273
2258 100	DN100	178	585	517	313	273

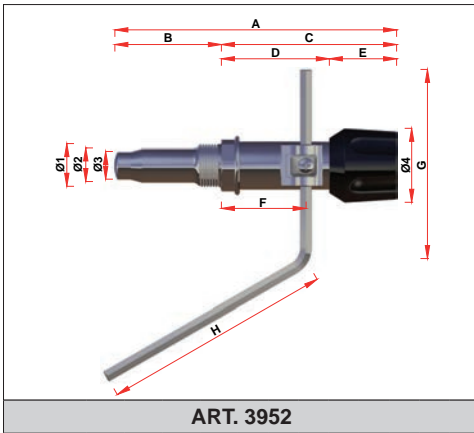


ART. 2161

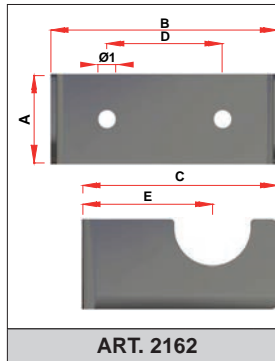
CODE	Ø1	Ø2	A	B	C	D	E	F	G	H	I	L
2161 1	G1	G1/2	634	203	60	78	58	135	220	221	470	120
2161 114	G1 1/4	G1/2	674	239	65	83	58	145	240	231	510	130
2161 112	G1 1/2	G1/2	714	267	75	93	58	155	260	241	550	150
2161 2	G2	G1/2	834	338	85	103	58	185	320	271	670	170



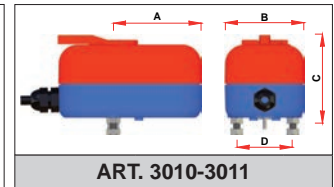
CODE	A	B	C	D
2165 1	470	120	120	220
2165 114	510	130	130	240
2165 112	550	150	150	260
2165 2	670	170	170	320



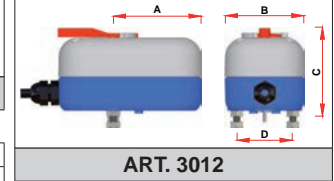
CODE	Ø1	Ø2	Ø3	Ø4	A	B	C	D	E	F	G	H
3952	G3/4	21	17	46	176	64	111	70	41	53	120	145



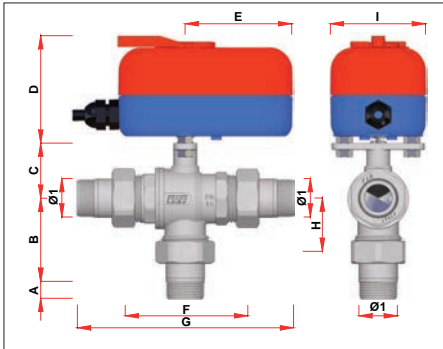
CODE	Ø1	A	B	C	D	E
2162 1	10	50	128	65	110	73
2162 114	10	50	141	65	115	78
2162 112	10	50	161	80	130	88
2162 2	10	50	181	100	145	98



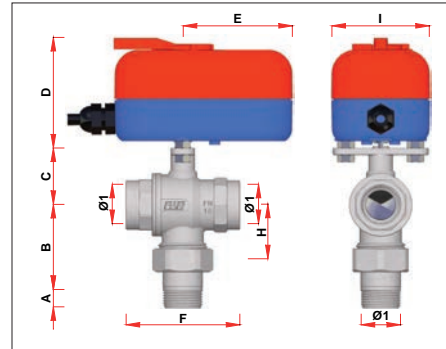
CODE	A	B	C	D
3010-3011	74	66	75	47



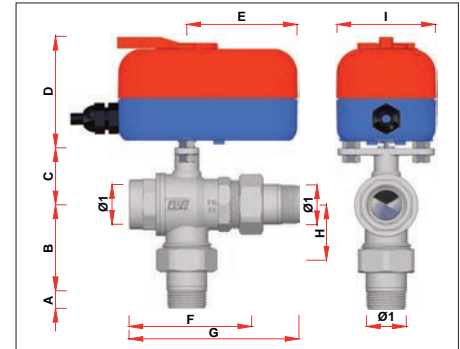
CODE	A	B	C	D
3012	74	66	75	47



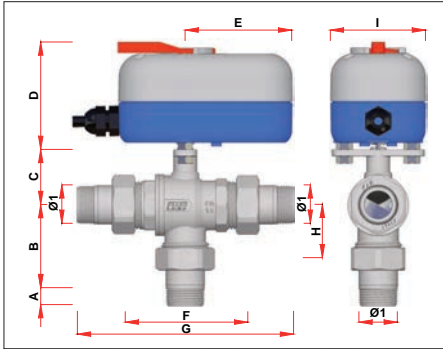
CODE	Ø1	A	B	C	D	E	F	G	H	I
301020 1240	G1/2	11	48	33	75	74	75	136	28	66
301020 3440	G3/4	13	56	38	75	74	84	150	36	66
301020 140	G1	16	63	42	75	74	94	172	41	66
301020 11440	G1 1/4	18	71	47	75	74	107	190	48	66



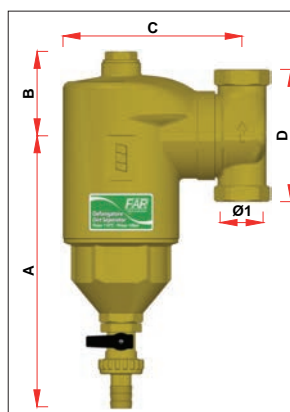
CODE	Ø1	A	B	C	D	E	F	G	H
301021 1240	G1/2	11	48	33	75	74	64	28	66
301021 3440	G3/4	13	56	38	75	74	77	36	66
301021 140	G1	16	63	42	75	74	90	41	66



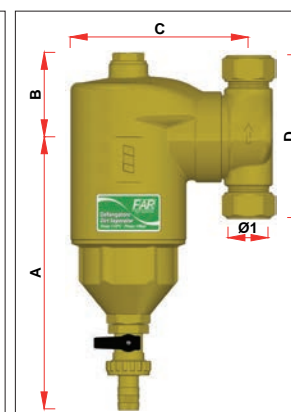
CODE	Ø1	A	B	C	D	E	F	G	H	I
301022 1240	G1/2	11	48	33	75	74	70	100	28	66
301022 3440	G3/4	13	56	38	75	74	80	114	36	66
301022 140	G1	16	63	42	75	74	92	132	41	66
301022 11440	G1 1/4	18	71	47	75	74	106	148	48	66



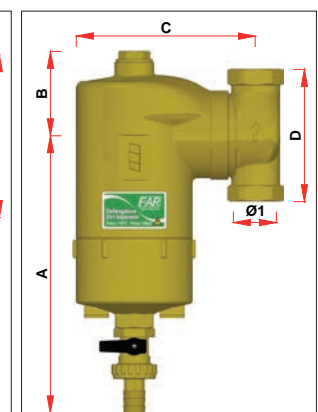
CODE	Ø1	A	B	C	D	E	F	G	H	I
301220 1240	G1/2	11	48	33	75	74	75	136	28	66
301220 3440	G3/4	13	56	38	75	74	84	150	36	66
301220 140	G1	16	63	42	75	74	94	171	41	66
301220 11440	G1 1/4	18	71	47	75	74	107	190	48	66



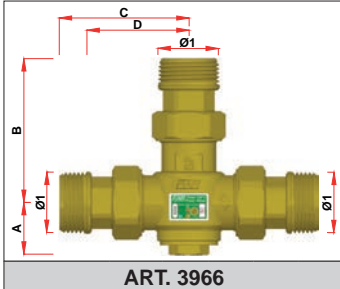
CODE	Ø1	A	B	C	D
2207 34	G3/4	181	56	119	88
2207 1	G1	181	56	119	102
2207 114	G1 1/4	181	56	126	103



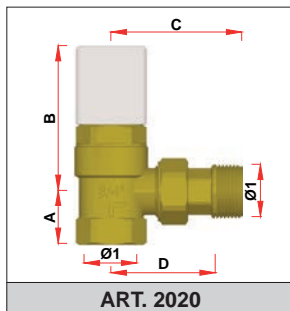
CODE	Ø1	A	B	C	D
2210 3422	Ø22	181	56	119	108
2210 128	Ø28	181	56	119	110



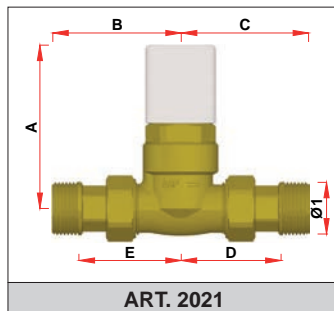
CODE	Ø1	A	B	C	D
2212 34	G3/4	185	56	119	88
2212 1	G1	185	56	119	102
2212 114	G1 1/4	185	56	126	103



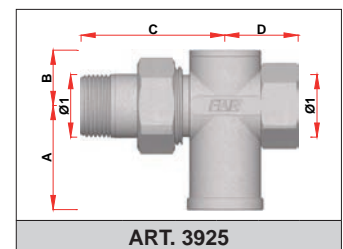
CODE	Ø1	A	B	C	D
3966 01xx	G3/4	29	75	66	54
3966 02xx	G1	29	80	72	57
3966 03xx	G1	35	96	86	69
3966 04xx	G1 1/4	35	105	94	80



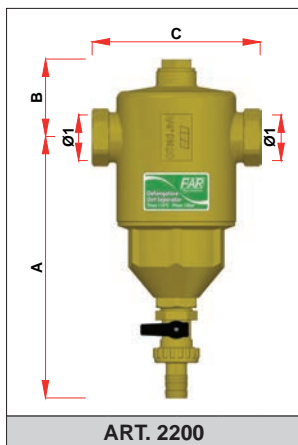
CODE	Ø1	A	B	C	D
2020 34	G3/4	27	74	65	51



CODE	Ø1	A	B	C	D	E
2021 34	G3/4	83	65	64	50	51

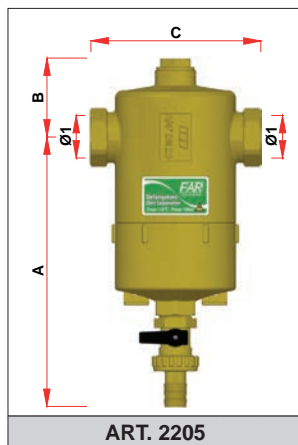


CODE	Ø1	A	B	C	D
3925 34	G3/4	44	24	60	31



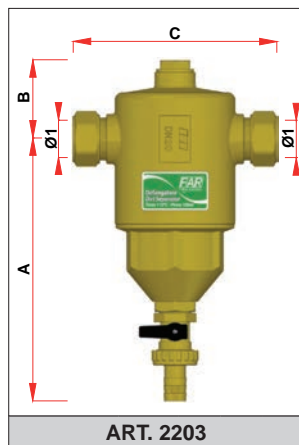
ART. 2200

CODE	Ø1	A	B	C
2200 34	G3/4	170	51	109
2200 1	G1	170	51	109
2200 114	G1 1/4	184	56	119
2200 112	G1 1/2	184	56	119
2200 2	G2	180	61	126



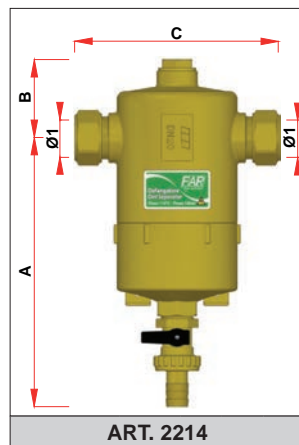
ART. 2205

CODE	Ø1	A	B	C
2205 34	G3/4	174	51	109
2205 1	G1	174	51	109
2205 114	G1 1/4	188	56	119
2205 112	G1 1/2	188	56	119
2205 2	G2	184	61	126



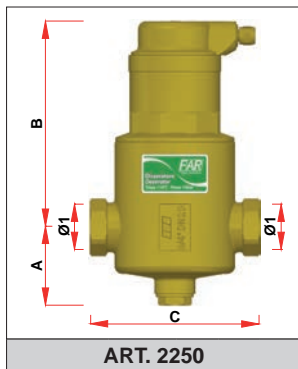
ART. 2203

CODE	Ø1	A	B	C
2203 3422	Ø22	170	51	131
2203 128	Ø28	170	51	132



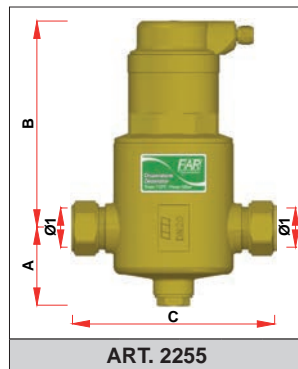
ART. 2214

CODE	Ø1	A	B	C
2214 3422	Ø22	174	51	131
2214 128	Ø28	174	51	132



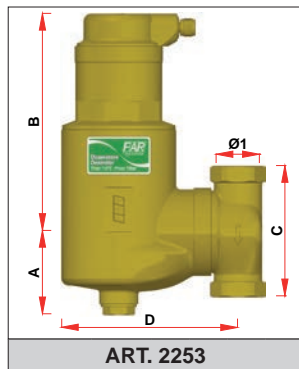
ART. 2250

CODE	Ø1	A	B	C
2250 34	G3/4	51	134	109
2250 1	G1	51	134	109
2250 114	G1 1/4	56	149	119
2250 112	G1 1/2	56	149	119
2250 2	G2	61	145	126



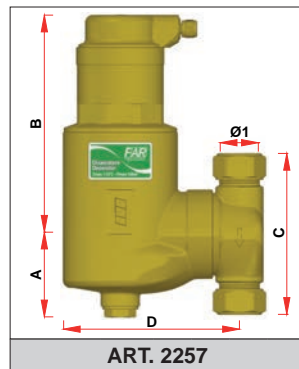
ART. 2255

CODE	Ø1	A	B	C
2255 3422	Ø22	51	134	131
2255 128	Ø28	51	134	132



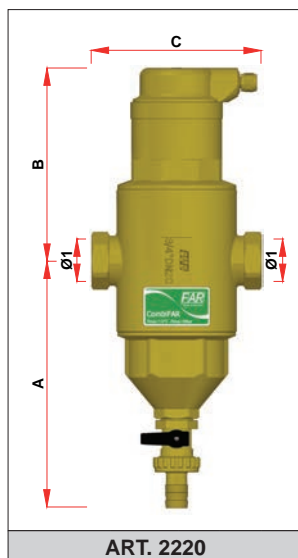
ART. 2253

CODE	Ø1	A	B	C	D
2253 34	G3/4	56	146	88	119
2253 1	G1	56	146	102	119
2253 114	G1 1/4	56	146	103	126



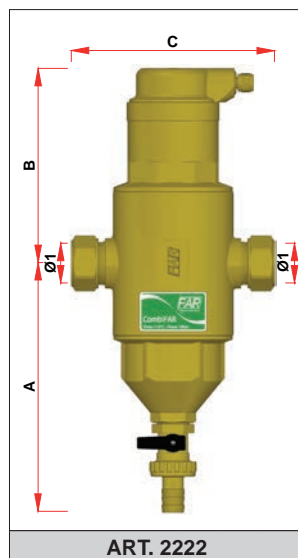
ART. 2257

CODE	Ø1	A	B	C	D
2257 3422	Ø22	56	146	108	119
2257 128	Ø28	56	146	110	119



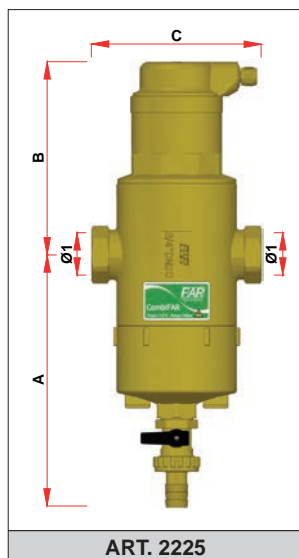
ART. 2220

CODE	Ø1	A	B	C
2220 34	G3/4	160	125	109
2220 1	G1	160	125	109



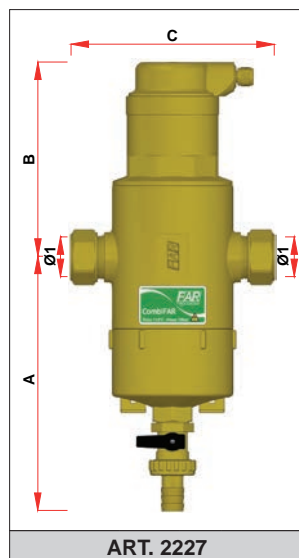
ART. 2222

CODE	Ø1	A	B	C
2222 3422	Ø22	160	125	131
2222 128	Ø28	160	125	132



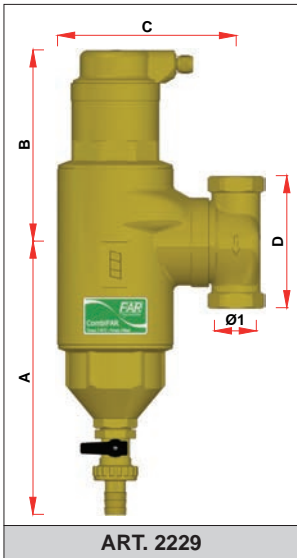
ART. 2225

CODE	Ø1	A	B	C
2225 34	G3/4	164	125	109
2225 1	G1	164	125	109



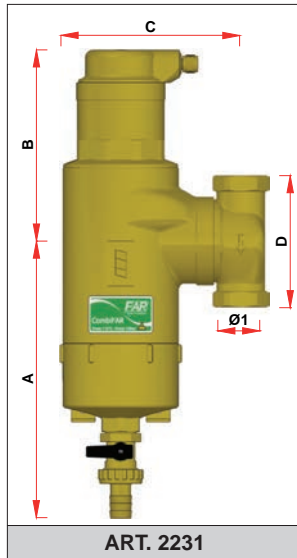
ART. 2227

CODE	Ø1	A	B	C
2227 3422	Ø22	164	125	131
2227 128	Ø28	164	125	132



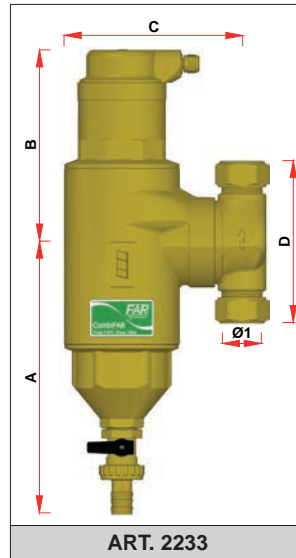
ART. 2229

CODE	Ø1	A	B	C	D
2229 34	G3/4	182	128	119	88
2229 1	G1	182	128	119	102
2229 114	G1 1/4	182	128	126	103



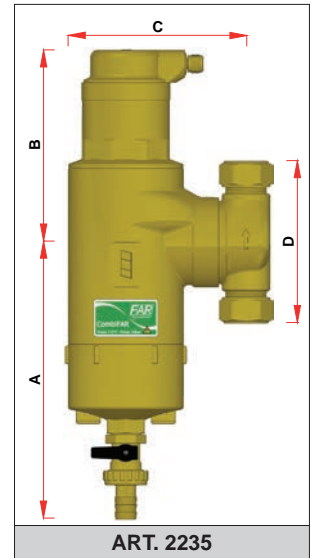
ART. 2231

CODE	Ø1	A	B	C	D
2231 34	G3/4	186	128	119	88
2231 1	G1	186	128	119	102
2231 114	G1 1/4	186	128	126	103



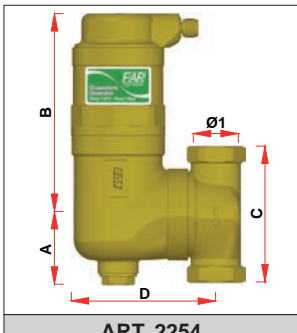
ART. 2233

CODE	Ø1	A	B	C	D
2233 3422	Ø22	182	128	119	108
2233 128	Ø28	182	128	119	110



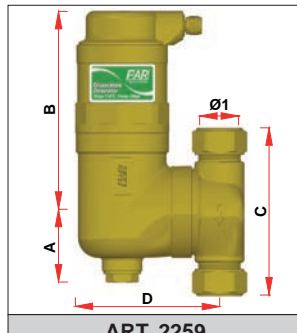
ART. 2235

CODE	Ø1	A	B	C	D
2235 3422	Ø22	186	128	119	108
2235 128	Ø28	186	128	119	110



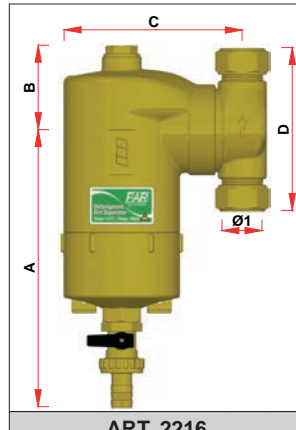
ART. 2254

CODE	Ø1	A	B	C	D
2254 34	G3/4	46	130	88	93
2254 1	G1	46	130	102	93



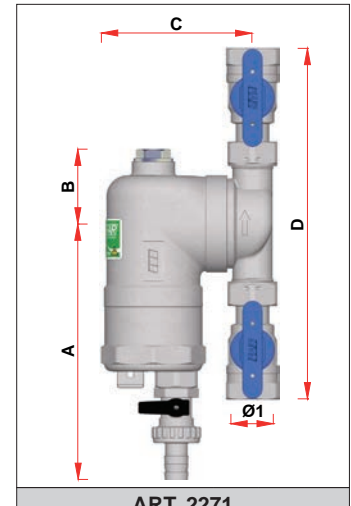
ART. 2259

CODE	Ø1	A	B	C	D
2259 3422	Ø22	46	130	108	93
2259 128	Ø28	46	130	110	93



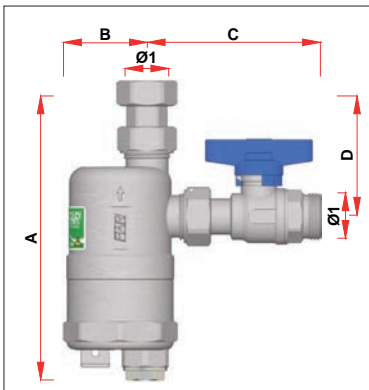
ART. 2216

CODE	Ø1	A	B	C	D
2216 3422	Ø22	185	56	119	108
2216 128	Ø28	185	56	119	110



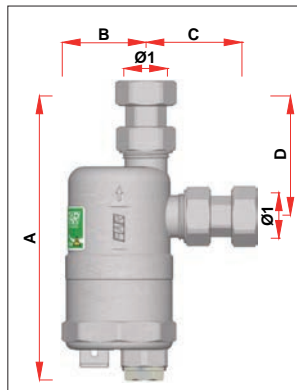
ART. 2271

CODE	Ø1	A	B	C	D
2271 34	G3/4	158	46	93	216
2271 1	G1	158	46	95	249



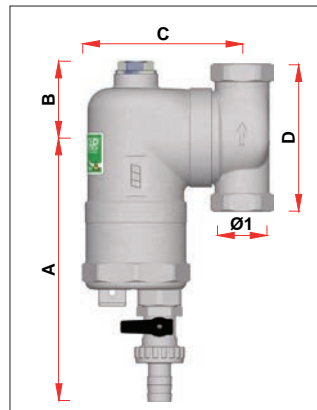
ART. 2274

CODE	Ø1	A	B	C	D
2274 34	G3/4	161 (192*)	47	97	68



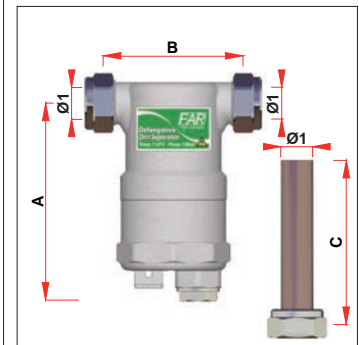
ART. 2273-2275

CODE	Ø1	A	B	C	D
2273 34	G3/4	161 (192*)	47	54	68
2275 34	G3/4	161 (192*)	47	54	68



ART. 2272

CODE	Ø1	A	B	C	D
2272 34	G3/4	158	46	95	88
2272 1	G1	158	46	97	102



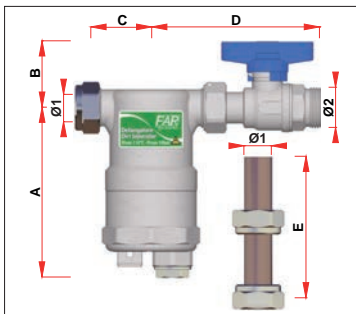
ART. 2278-2279

CODE	Ø1	A	B	C
2278 34	Ø18	112 (143*)	82	103
2279 34	Ø18	112 (143*)	82	103

* = with drain cock

* = with drain cock

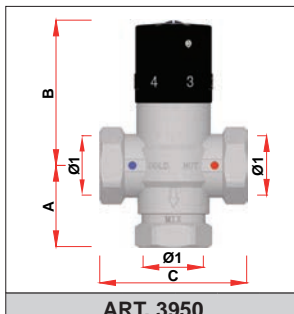
* = with drain cock



* = with drain cock

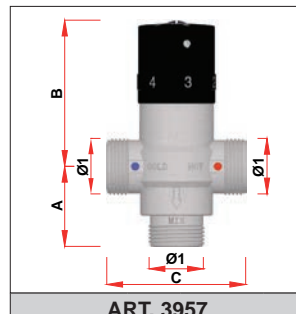
ART. 2277

CODE	Ø1	Ø2	A	B	C	D	E
2277 34	Ø18	G3/4	112 (143*)	44	41	103	103



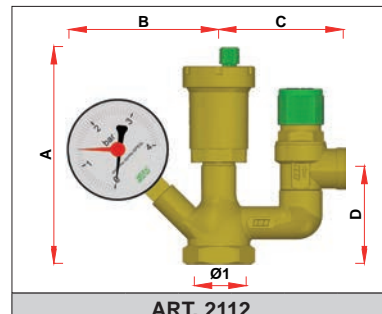
ART. 3950

CODE	Ø1	A	B	C
3950 12	G1/2	38	68	66
3950 34	G3/4	39	68	70
3950 1	G1	42	68	74



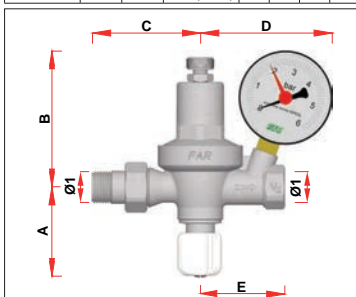
ART. 3957

CODE	Ø1	A	B	C
3957 34	G3/4	38	69	66
3957 1	G1	39	69	70



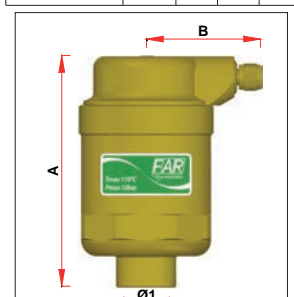
ART. 2112

CODE	Ø1	A	B	C	D
2112	G1	133	93	76	60



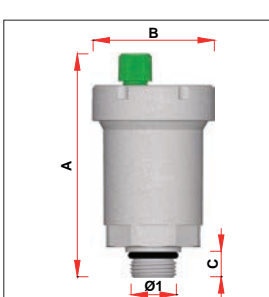
ART. 2100-2110

CODE	Ø1	A	B	C	D	E
2100	G1/2	60	92	72	--	56
2110	G1/2	60	92	72	88	56



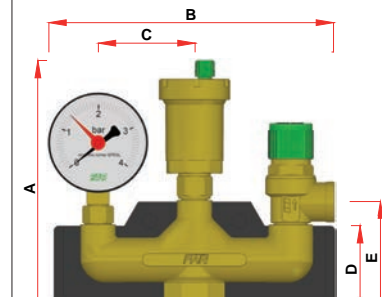
ART. 2065

CODE	Ø1	A	B
2065 12	G1/2	104	52



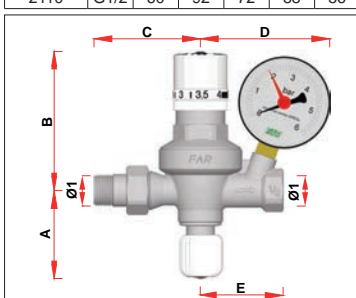
ART. 2045-2050

CODE	Ø1	A	B	C
2045-2050 14	G1/4	86	44	9
2045-2050 38	G3/8	81	44	9
2045-2050 12	G1/2	82	44	10
2045-2050 34	G3/4	91	44	12



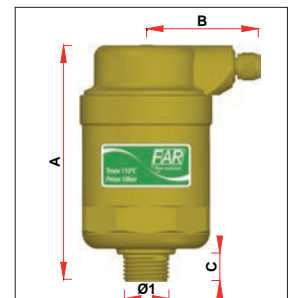
ART. 2116

CODE	Ø1	A	B	C	D	E
2116	G1	158	177	60	54	70



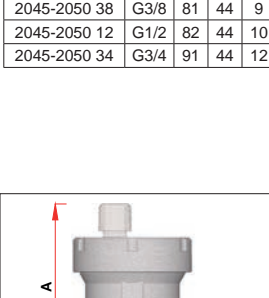
ART. 2105-2106

CODE	Ø1	A	B	C	D	E
2105	G1/2	60	94	72	--	56
2106	G1/2	60	94	72	88	56



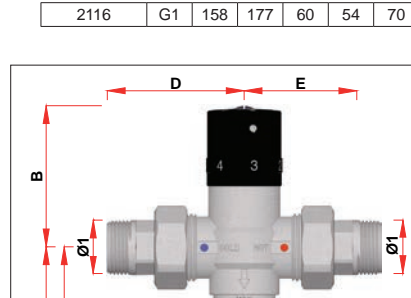
ART. 2066

CODE	Ø1	A	B	C
2066 12	G1/2	104	52	12



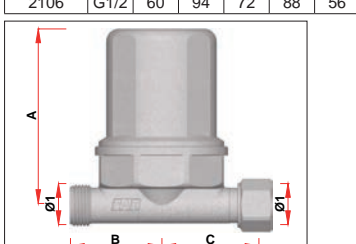
ART. 2055-2060

CODE	Ø1	A	B	C
2055-2060 14	G1/4	62	44	9
2055-2060 38	G3/8	62	44	10
2055-2060 12	G1/2	62	44	12
2055-2060 34	G3/4	59	44	12



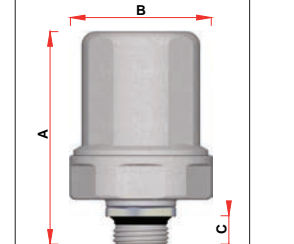
ART. 3956

CODE	Ø1	A	B	C	D	E
3956 12	G1/2	69	69	56	64	51
3956 12VR	G1/2	69	69	56	64	51
3956 34	G3/4	72	69	60	68	56
3956 34VR	G3/4	72	69	60	68	56
3956 1	G1	78	69	62	74	58
3956 1VR	G1	78	69	62	74	58
3956 114	G1 1/4	112	68	94	96	78
3956 112	G1 1/2	117	67	99	100	82



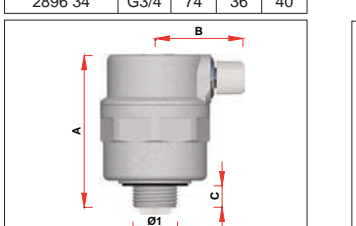
ART. 2896

CODE	Ø1	A	B	C
2896 38	G3/8	70	37	37
2896 34	G3/4	74	36	40



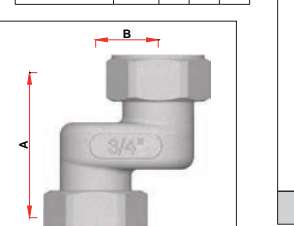
ART. 2895

CODE	Ø1	A	B	C
2895 12	G1/2	80	53	11



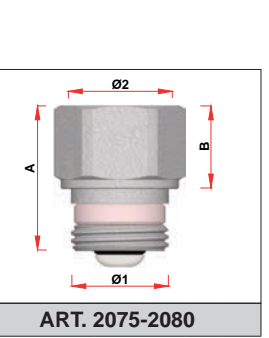
ART. 2040-2043

CODE	Ø1	A	B	C
2040-2043 38	G3/8	57	33	9
2040-2043 12	G1/2	57	33	9



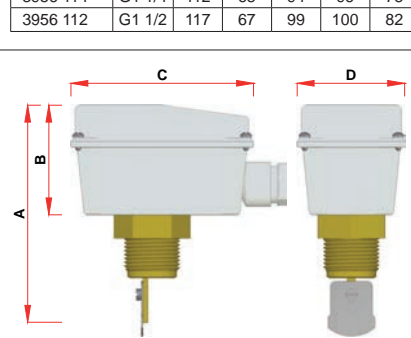
ART. 5565

CODE	Ø1	A	B
5565 234	G3/4	47	20



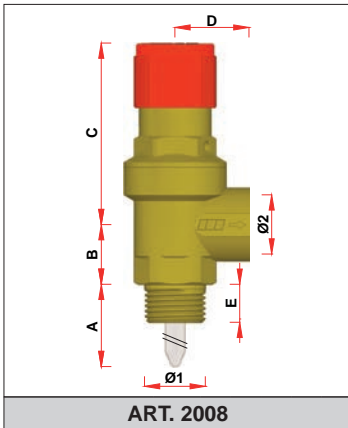
ART. 2075-2080

CODE	Ø1	Ø2	A	B
2075 3814	G3/8	G1/4	21	12
2075-2080 38	G3/8	G3/8	23	14
2075-2080 3812	G1/2	G3/8	24	14
2075-2080 12	G1/2	G1/2	24	14

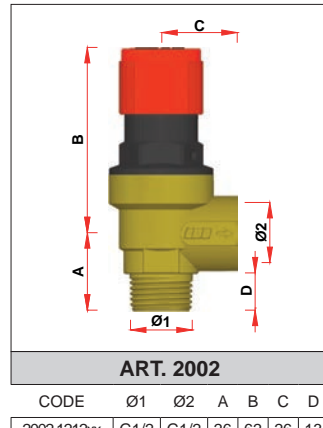


ART. 7955

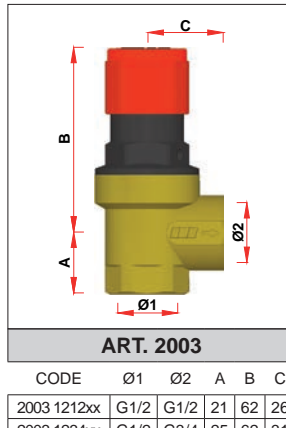
CODE	Ø1	A	B	C	D	E	F	G	H	I	L	I
7955	G1	132	66	110	65	38	25	28	35	58	89	167



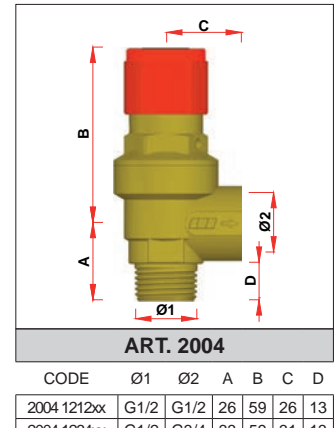
CODE	Ø1	Ø2	A	B	C	D	E
2008 1212xx	G1/2	G1/2	121	21	62	26	13
2008 3434xx	G3/4	G3/4	116	25	62	29	15



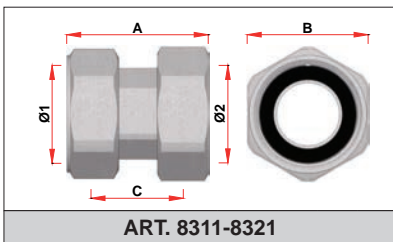
CODE	Ø1	Ø2	A	B	C	D
2002 1212xx	G1/2	G1/2	26	62	26	13



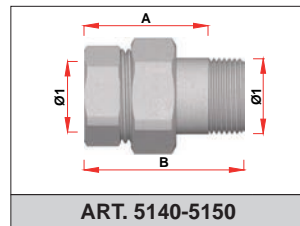
CODE	Ø1	Ø2	A	B	C
2003 1212xx	G1/2	G1/2	21	62	26
2003 1234xx	G1/2	G3/4	25	62	31



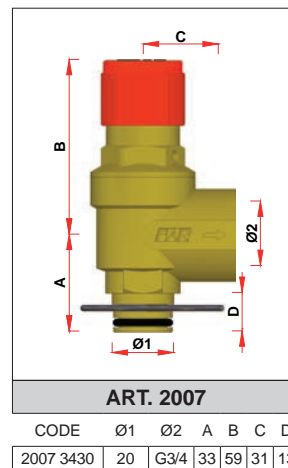
CODE	Ø1	Ø2	A	B	C	D
2004 1212xx	G1/2	G1/2	26	59	26	13
2004 1234xx	G1/2	G3/4	33	59	31	13



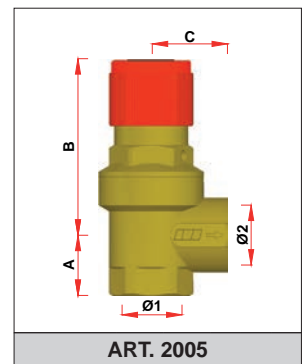
CODE	Ø1	Ø2	A	B	C
8311-8321 12	G1/2	G1/2	38	26	25
8311-8321 3412	G3/4	G1/2	42	30	22
8311-8321 34	G3/4	G3/4	41	31	27
8311-8321 134	G1	G3/4	45	37	24
8311-8321 1	G1	G1	45	38	29
8311-8321 1141	G1 1/4	G1	54	47	31
8311-8321 114	G1 1/4	G1 1/4	52	48	33
8311-8321 112114	G1 1/2	G1 1/4	57	54	33
8311-8321 112	G1 1/2	G1 1/2	54	55	34
8311-8321 2112	G2	G1 1/2	63	73	35
8311-8321 2	G2	G2	61	68	39



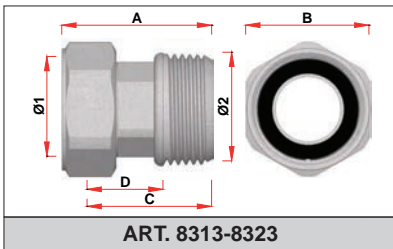
CODE	Ø1	A	B
5140-5150 38	G3/8	21	45
5140-5150 12	G1/2	25	54
5140-5150 34	G3/4	32	62
5140-5150 1	G1	37	72
5140-5150 114	G1 1/4	46	83
5140-5150 112	G1 1/2	54	90
5140-5150 2	G2	61	105



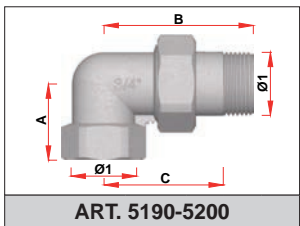
CODE	Ø1	Ø2	A	B	C	D
2007 3430	20	G3/4	33	59	31	13



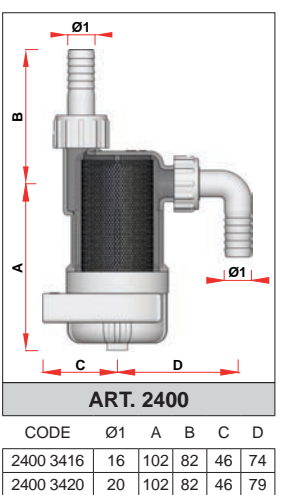
CODE	Ø1	Ø2	A	B	C
2005 1212xx	G1/2	G1/2	21	59	26
2005 1234xx	G1/2	G3/4	25	59	31
2005 3434xx	G3/4	G3/4	25	59	31



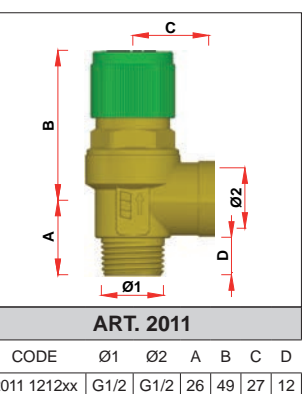
CODE	Ø1	Ø2	A	B	C	D
8313-8323 12	G1/2	G1/2	38	25	34	21
8313-8323 3412	G3/4	G1/2	37	30	31	18
8313-8323 34	G3/4	G3/4	42	30	36	22
8313-8323 134	G1	G3/4	40	37	34	22
8313-8323 1	G1	G1	46	38	39	24
8313-8323 1141	G1 1/4	G1	47	47	39	23
8313-8323 114	G1 1/4	G1 1/4	55	47	48	30
8313-8323 112114	G1 1/2	G1 1/4	51	54	42	24
8313-8323 112	G1 1/2	G1 1/2	56	54	48	30
8313-8323 2112	G2	G1 1/2	55	68	45	26



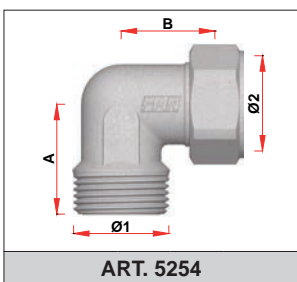
CODE	Ø1	A	B	C
5190-5200 38	G3/8	21	45	35
5190-5200 12	G1/2	25	54	42
5190-5200 34	G3/4	32	62	50
5190-5200 1	G1	37	72	57
5190-5200 114	G1 1/4	46	83	69
5190-5200 112	G1 1/2	54	90	72
5190-5200 2	G2	61	105	83



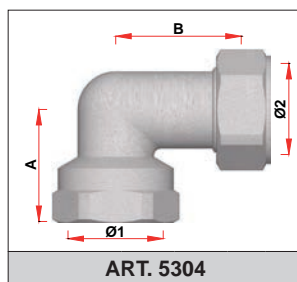
CODE	Ø1	A	B	C	D
2400 3416	16	102	82	46	74
2400 3420	20	102	82	46	79



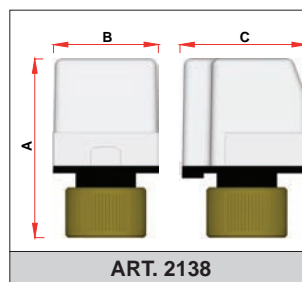
CODE	Ø1	Ø2	A	B	C	D
2011 1212xx	G1/2	G1/2	26	49	27	12



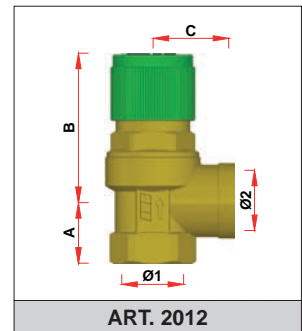
CODE	Ø1	Ø2	A	B
5254 3434	G3/4	G3/4	31	28



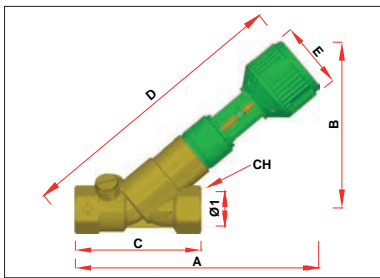
CODE	Ø1	Ø2	A	B
5304 3434	G3/4	G3/4	31	37



CODE	A	B	C
2138 180	75	44	52

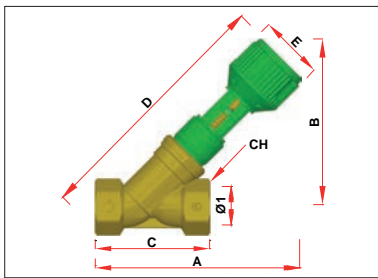


CODE	Ø1	Ø2	A	B	C
2012 1212xx	G1/2	G1/2	21	49	27



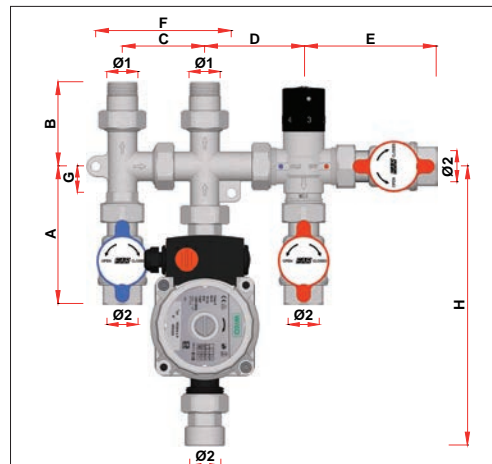
ART. 2129

CODE	Ø1	A	B	C	D	E	CH
2129 12	G1/2	163	111	85	184	51	28
2129 34	G3/4	187	128	97	15	51	33
2129 1	G1	188	138	113	223	51	40
2129 114	G1 1/4	209	142	144	224	51	51
2129 112	G1 1/2	260	181	163	308	57	56
2129 2	G2	282	191	193	337	57	71



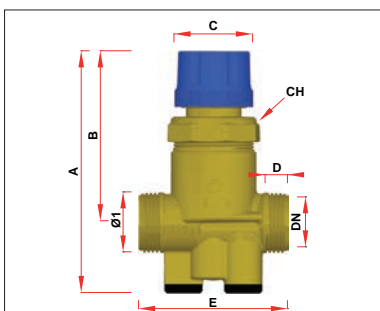
ART. 2130

CODE	Ø1	A	B	C	D	E	CH
2130 12	G1/2	138	104	68	161	51	28
2130 34	G3/4	157	121	77	187	51	33
2130 1	G1	161	133	91	200	51	40
2130 114	G1 1/4	172	141	108	219	51	51
2130 112	G1 1/2	213	181	116	275	57	56
2130 2	G2	232	190	143	300	57	71



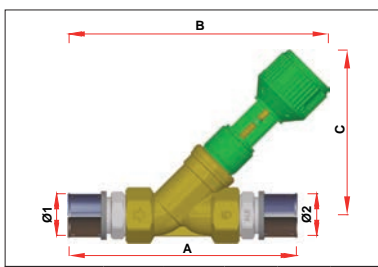
ART. 3967

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
3967 34	G3/4	G3/4	118	72	71	85	114	116	23	240



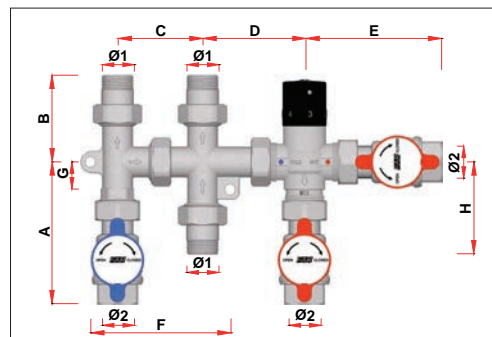
ART. 2136

CODE	Ø1	A	B	C	D	E	CH
2136 12	G1/2	106	75	34	9	53	39
2136 34	G3/4	106	75	34	11	65	39
2136 1	G1	129	83	34	12	82	39
2136 114	G1 1/4	122	85	34	13	104	39



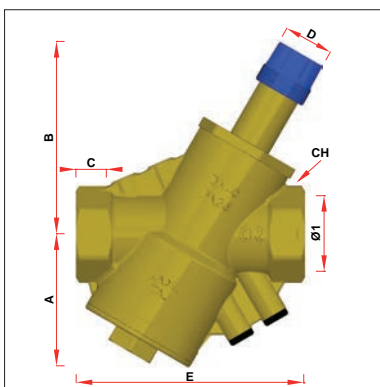
ART. 2133

CODE	Ø1	Ø2	A	B	C
21332001	20x2	20x2	148	180	104
21332002	20x2.25	20x2.25	148	180	104
21332003	20x2.5	20x2.5	148	180	104
21332501	25x2.5	25x2.5	168	204	121
21332601	26x3	26x3	168	204	121
21333201	32x3	32x3	184	209	133
21334001	40x3.5	40x3.5	226	234	141
21334002	40x4	40x4	226	234	141
21335001	50x4	50x4	240	277	181
21335002	50x4.5	50x4.5	240	277	181
21336301	63x4.5	63x4.5	316	321	190



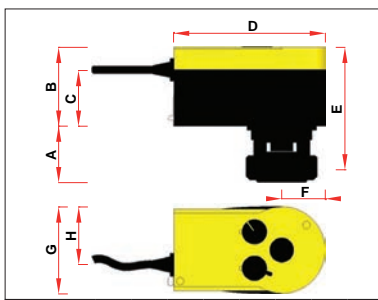
ART. 3968

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
3968 34	G3/4	G3/4	118	72	71	85	114	116	23	76



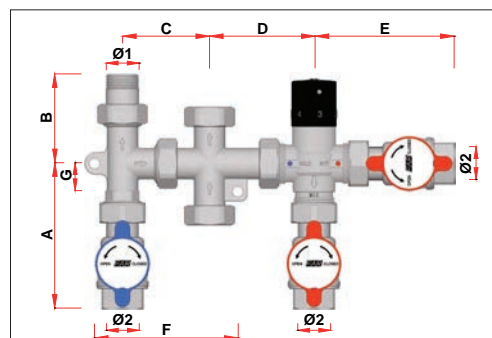
ART. 2137

CODE	Ø1	A	B	C	D	E	CH
2137 112	G1 1/2	84	121	17	34	144	54
2137 2	G2	89	128	20	34	155	68



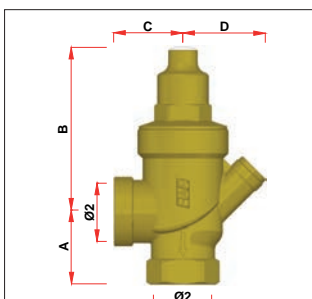
ART. 2139

CODE	A	B	C	D	E	F	G	H
2139 120	46	63	44	122	107	35	47	70



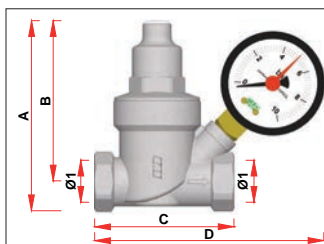
ART. 3969

CODE	Ø1	Ø2	A	B	C	D	E	F	G
3969 34	G3/4	G3/4	118	72	71	85	114	116	23



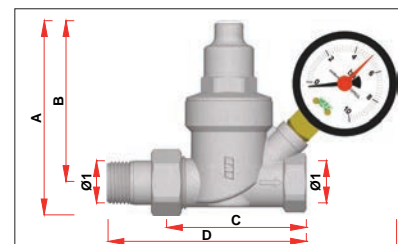
ART. 2873

CODE	Ø1	Ø2	A	B	C	D
2873 34	G3/4	G3/4	35	79	33	40



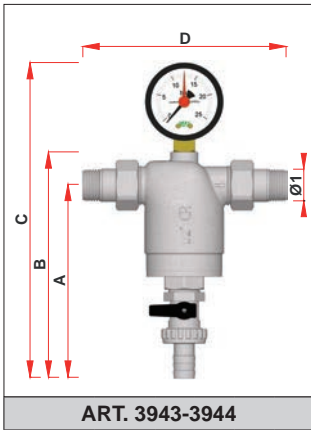
ART. 2868-2870-2869-2871

CODE	Ø1	A	B	C	D
2868-2870 12	G1/2	91	77	68	--
2868-2870 34	G3/4	93	77	71	--
2869-2871 12	G1/2	91	77	68	113
2869-2871 34	G3/4	93	77	71	115

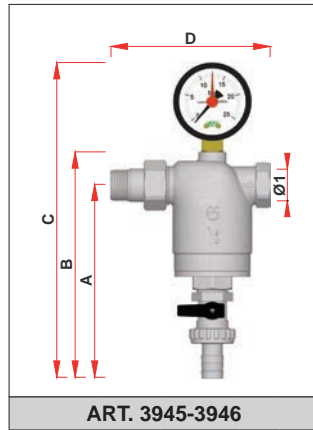


ART. 2864-2866-2865-2867

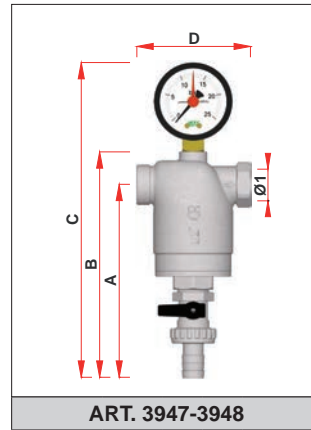
CODE	Ø1	A	B	C	D	E
2864-2866 12	G1/2	93	77	67	98	--
2864-2866 34	G3/4	96	77	72	102	--
2865-2867 12	G1/2	93	77	67	98	143
2865-2867 34	G3/4	96	77	72	102	146


ART. 3943-3944

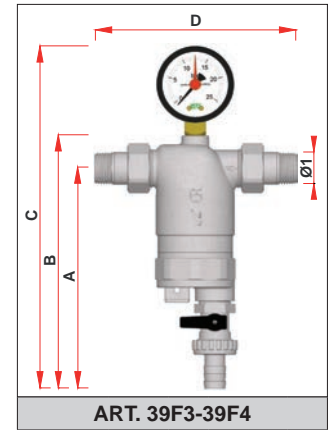
CODE	Ø1	A	B	C	D
3943 12	G1/2	128	152	--	134
3943 34	G3/4	137	164	--	150
3943 1	G1	157	184	--	171
3944 12	G1/2	128	--	208	134
3944 34	G3/4	137	--	220	150
3944 1	G1	157	--	242	171


ART. 3945-3946

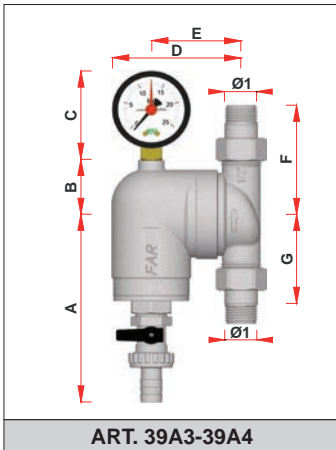
CODE	Ø1	A	B	C	D
3945 12	G1/2	128	152	--	105
3945 34	G3/4	137	164	--	116
3945 1	G1	157	184	--	132
3946 12	G1/2	128	--	208	105
3946 34	G3/4	137	--	220	116
3946 1	G1	157	--	242	132


ART. 3947-3948

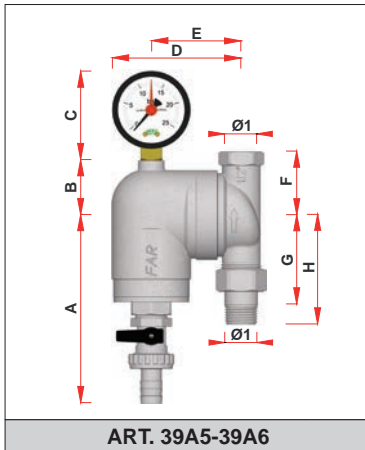
CODE	Ø1	A	B	C	D
3947 12	G1/2	128	152	--	75
3947 34	G3/4	137	164	--	83
3947 1	G1	157	184	--	93
3948 12	G1/2	128	--	208	75
3948 34	G3/4	137	--	220	83
3948 1	G1	157	--	242	93


ART. 39F3-39F4

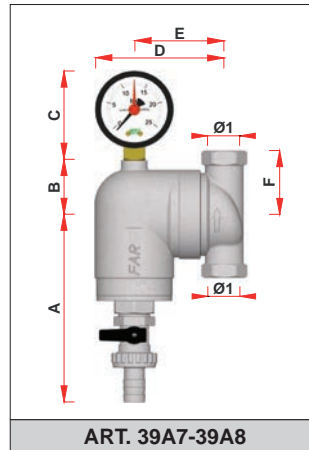
CODE	Ø1	A	B	C	D
39F3 12	G1/2	148	170	--	134
39F3 34	G3/4	157	182	--	150
39F3 1	G1	177	204	--	171
39F4 12	G1/2	148	--	229	134
39F4 34	G3/4	157	--	241	150
39F4 1	G1	177	--	263	171


ART. 39A3-39A4

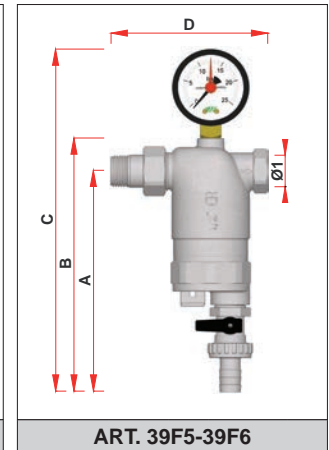
CODE	Ø1	A	B	C	D	E	F	G
39A3 12	G1/2	125	39	--	85	59	72	61
39A3 34	G3/4	125	39	--	88	62	76	61
39A4 12	G1/2	125	39	59	85	59	72	61
39A4 34	G3/4	125	39	59	88	62	76	61


ART. 39A5-39A6

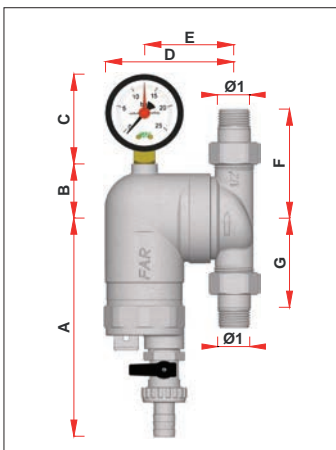
CODE	Ø1	A	B	C	D	E	F	G	H
39A5 12	G1/2	125	39	--	85	59	42	61	72
39A5 34	G3/4	125	39	--	88	62	43	61	76
39A6 12	G1/2	125	39	59	85	59	42	61	72
39A6 34	G3/4	125	39	59	88	62	43	61	76


ART. 39A7-39A8

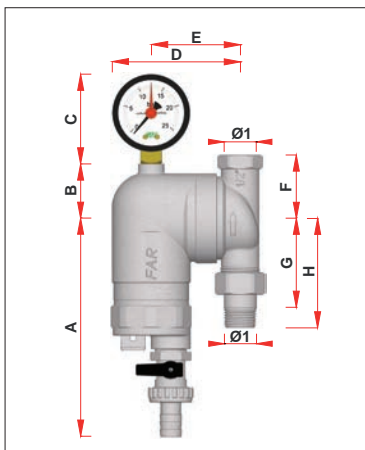
CODE	Ø1	A	B	C	D	E	F
39A7 12	G1/2	125	39	--	85	59	42
39A7 34	G3/4	125	39	--	88	62	43
39A8 12	G1/2	125	39	59	85	59	42
39A8 34	G3/4	125	39	59	88	62	43


ART. 39F5-39F6

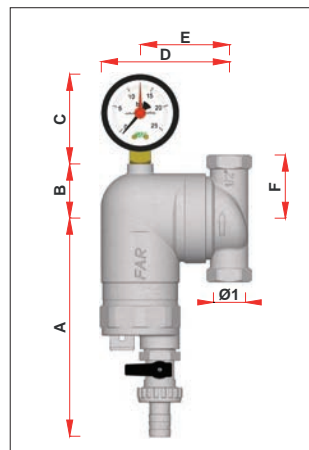
CODE	Ø1	A	B	C	D
39F5 12	G1/2	148	170	--	105
39F5 34	G3/4	157	182	--	116
39F5 1	G1	177	204	--	132
39F6 12	G1/2	148	--	229	105
39F6 34	G3/4	157	--	241	116
39F6 1	G1	177	--	263	132


ART. 39M3-39M4

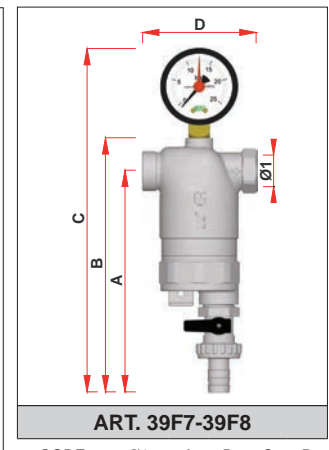
CODE	Ø1	A	B	C	D	E	F	G
39M3 12	G1/2	145	39	--	85	59	72	61
39M3 34	G3/4	145	39	--	88	62	76	61
39M4 12	G1/2	145	39	59	85	59	72	61
39M4 34	G3/4	145	39	59	88	62	76	61


ART. 39M5-39M6

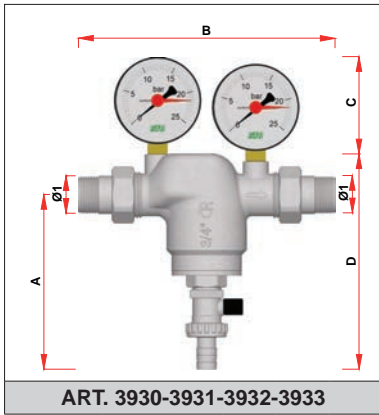
CODE	Ø1	A	B	C	D	E	F	G	H
39M5 12	G1/2	145	39	--	85	59	42	61	72
39M5 34	G3/4	145	39	--	88	62	43	61	76
39M6 12	G1/2	145	39	59	85	59	42	61	72
39M6 34	G3/4	145	39	59	88	62	43	61	76


ART. 39M7-39M8

CODE	Ø1	A	B	C	D	E	F
39M7 12	G1/2	145	39	--	85	59	42
39M7 34	G3/4	145	39	--	88	62	43
39M8 12	G1/2	145	39	59	85	59	42
39M8 34	G3/4	145	39	59	88	62	43

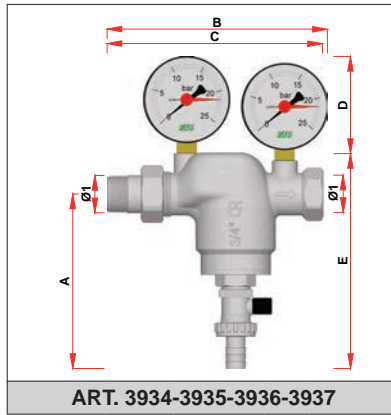

ART. 39F7-39F8

CODE	Ø1	A	B	C	D
39F7 12	G1/2	148	170	--	75
39F7 34	G3/4	157	182	--	83
39F7 1	G1	177	204	--	93
39F8 12	G1/2	148	--	229	75
39F8 34	G3/4	157	--	241	83
39F8 1	G1	177	--	263	93



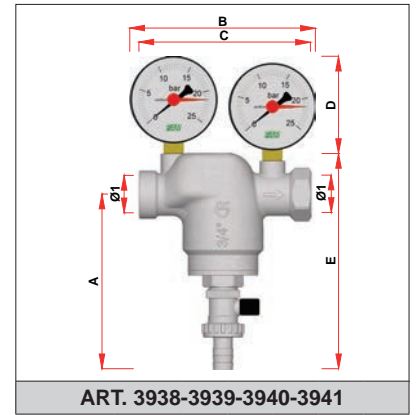
ART. 3930-3931-3932-3933

CODE	Ø1	A	B	C	D
3930 34	G3/4	125	184	--	154
3930 1	G1	142	198	--	176
3930 114	G1 1/4	148	207	--	186
3930 112	G1 1/2	156	221	--	194
3930 2	G2	163	249	--	207
3931 34	G3/4	125	184	70	154
3931 1	G1	142	198	70	176
3931 114	G1 1/4	148	207	70	186
3931 112	G1 1/2	156	221	70	194
3931 2	G2	163	249	70	207
3932 34	G3/4	125	184	--	154
3932 1	G1	142	198	--	176
3932 114	G1 1/4	148	207	--	186
3932 112	G1 1/2	156	221	--	194
3932 2	G2	163	249	--	207
3933 34	G3/4	125	184	70	154
3933 1	G1	142	198	70	176
3933 114	G1 1/4	148	207	70	186
3933 112	G1 1/2	156	221	70	194
3933 2	G2	163	249	70	207



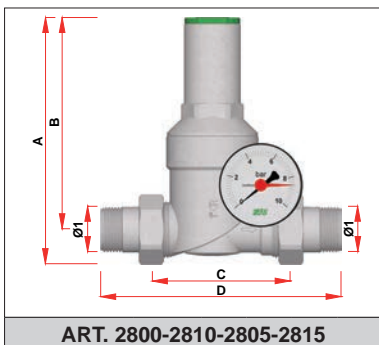
ART. 3934-3935-3936-3937

CODE	Ø1	A	B	C	D	E
3934 34	G3/4	125	--	154	--	154
3934 1	G1	142	--	160	--	176
3934 114	G1 1/4	148	--	168	--	186
3934 112	G1 1/2	156	--	176	--	194
3934 2	G2	163	--	191	--	207
3935 34	G3/4	125	158	154	70	154
3935 1	G1	142	165	160	70	176
3935 114	G1 1/4	148	170	168	70	186
3935 112	G1 1/2	156	171	176	70	194
3935 2	G2	163	199	191	70	207
3936 34	G3/4	125	--	154	--	154
3936 1	G1	142	--	160	--	176
3936 114	G1 1/4	148	--	168	--	186
3936 112	G1 1/2	156	--	176	--	194
3936 2	G2	163	--	191	--	207
3937 34	G3/4	125	158	154	70	154
3937 1	G1	142	165	160	70	176
3937 114	G1 1/4	148	170	168	70	186
3937 112	G1 1/2	156	171	176	70	194
3937 2	G2	163	199	191	70	207



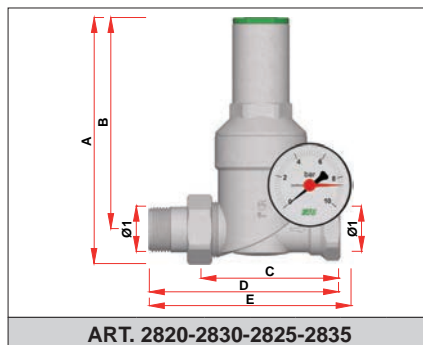
ART. 3938-3939-3940-3941

CODE	Ø1	A	B	C	D	E
3938 34	G3/4	125	--	122	--	154
3938 1	G1	142	--	122	--	176
3938 114	G1 1/4	148	--	126	--	186
3938 112	G1 1/2	156	--	137	--	194
3938 2	G2	163	--	148	--	207
3939 34	G3/4	125	132	122	70	154
3939 1	G1	142	132	122	70	176
3939 114	G1 1/4	148	132	126	70	186
3939 112	G1 1/2	156	131	137	70	194
3939 2	G2	163	132	148	--	207
3940 34	G3/4	125	--	122	--	154
3940 1	G1	142	--	122	--	176
3940 114	G1 1/4	148	--	126	--	186
3940 112	G1 1/2	156	--	137	--	194
3940 2	G2	163	--	148	--	207
3941 34	G3/4	125	132	122	70	154
3941 1	G1	142	132	122	70	176
3941 114	G1 1/4	148	132	126	70	186
3941 112	G1 1/2	156	131	137	70	194
3941 2	G2	163	132	148	70	207



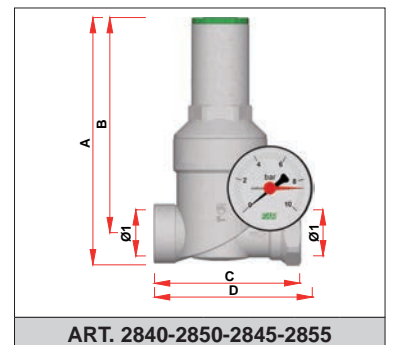
ART. 2800-2810-2805-2815

CODE	Ø1	A	B	C	D
2800-2810 12	G1/2	138	121	86	146
2800-2810 34	G3/4	142	121	91	156
2800-2810 1	G1	183	157	102	180
2800-2810 114	G1 1/4	192	161	110	192
2800-2810 112	G1 1/2	199	162	120	210
2800-2810 2	G2	202	162	130	230
2805-2815 12	G1/2	138	121	86	146
2805-2815 34	G3/4	142	121	91	156
2805-2815 1	G1	183	157	102	180
2805-2815 114	G1 1/4	192	161	110	192
2805-2815 112	G1 1/2	199	162	120	210
2805-2815 2	G2	202	162	130	230



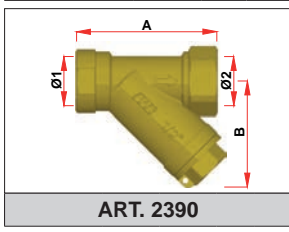
ART. 2820-2830-2825-2835

CODE	Ø1	A	B	C	D	E
2820-2830 12	G1/2	138	121	87	117	--
2820-2830 34	G3/4	142	121	95	126	--
2820-2830 1	G1	183	157	103	142	--
2825-2835 12	G1/2	138	121	87	117	128
2825-2835 34	G3/4	142	121	95	126	132
2825-2835 1	G1	183	157	103	142	150



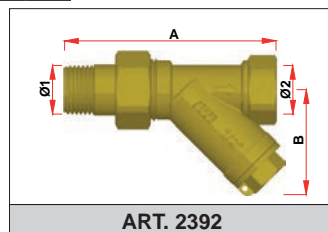
ART. 2840-2850-2845-2855

CODE	Ø1	A	B	C	D
2840-2850 12	G1/2	137	121	97	--
2840-2850 34	G3/4	140	121	97	--
2840-2850 1	G1	180	157	104	--
2845-2855 12	G1/2	137	121	97	98
2845-2855 34	G3/4	140	121	97	103
2845-2855 1	G1	180	157	104	112



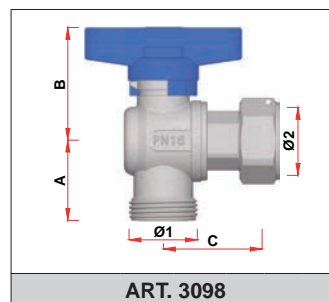
ART. 2390

CODE	Ø1	Ø2	A	B
2390 12	G1/2	G1/2	59	44
2390 34	G3/4	G3/4	70	52
2390 1	G1	G1	80	54
2390 114	G1 1/4	G1 1/4	99	73



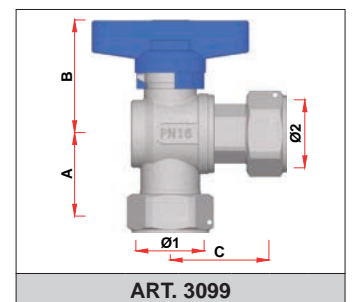
ART. 2392

CODE	Ø1	Ø2	A	B
2392 12	G1/2	G1/2	89	44
2392 34	G3/4	G3/4	103	52



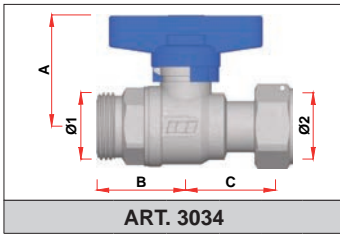
ART. 3098

CODE	Ø1	Ø2	A	B	C
3098 34 / 34C	G3/4	G3/4	31	44	39



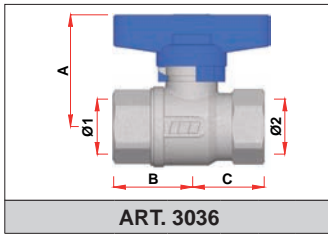
ART. 3099

CODE	Ø1	Ø2	A	B	C
3099 34 / 34C	G3/4	G3/4	33	44	39



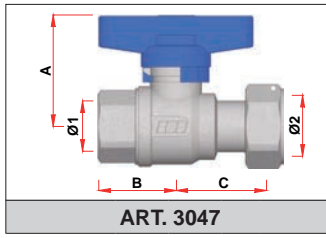
ART. 3034

CODE	Ø1	Ø2	A	B	C
3034 34	G3/4	G3/4	44	35	36



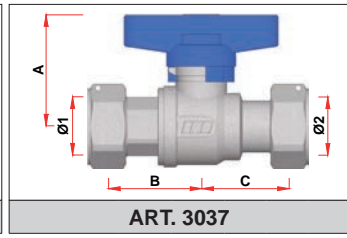
ART. 3036

CODE	Ø1	Ø2	A	B	C
3036 12	G1/2	G1/2	44	30	28
3036 34	G3/4	G3/4	44	31	30



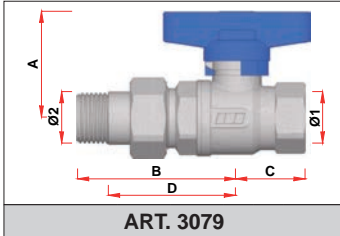
ART. 3047

CODE	Ø1	Ø2	A	B	C
3047 12	G1/2	G3/4	44	30	36
3047 3434	G3/4	G3/4	44	31	36
3047 134	G3/4	G1	57	37	43



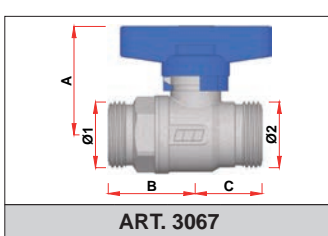
ART. 3037

CODE	Ø1	Ø2	A	B	C
3037 12	G1/2	G1/2	44	38	36



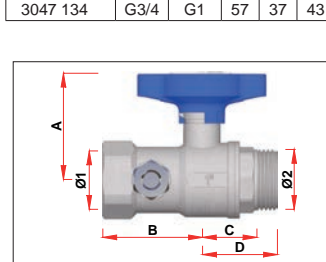
ART. 3079

CODE	Ø1	Ø2	A	B	C	D
3079 12	G1/2	G1/2	44	65	28	52
3079 34	G3/4	G3/4	44	71	30	57



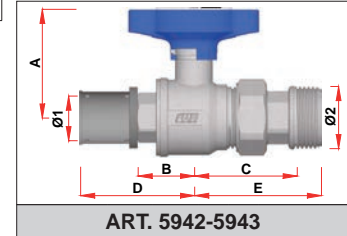
ART. 3067

CODE	Ø1	Ø2	A	B	C
3067 34	G3/4	G3/4	44	35	28



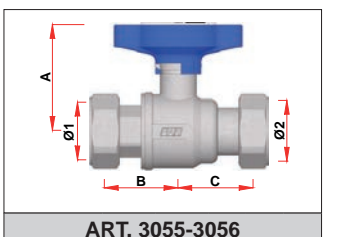
ART. 3049

CODE	Ø1	Ø2	A	B	C	D
3049 1	G1	G1	59	54	31	41



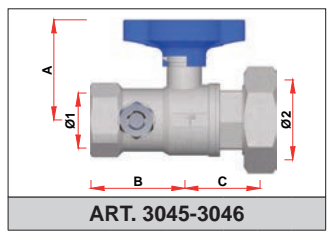
ART. 5942-5943

CODE	Ø1	Ø2	A	B	C	D	E
59422601	26x3	G3/4	59	34	51	61	63
59422602	26x3	G3/4	59	34	51	61	63
59422603	26x3	G1	59	34	54	61	69
59422604	26x3	G1	59	34	54	61	69
59423201	32x3	G3/4	59	34	51	61	63
59423202	32x3	G3/4	59	34	51	61	63
59423203	32x3	G1	59	34	54	61	69
59423204	32x3	G1	59	34	54	61	69
59432601	26x3	G3/4	59	34	51	61	63
59432602	26x3	G3/4	59	34	51	61	63
59432603	26x3	G1	59	34	54	62	69
59432604	26x3	G1	59	34	54	62	69
59433201	32x3	G3/4	59	34	51	62	63
59433202	32x3	G3/4	59	34	51	62	63
59433203	32x3	G1	59	34	54	62	69
59433204	32x3	G1	59	34	54	62	69



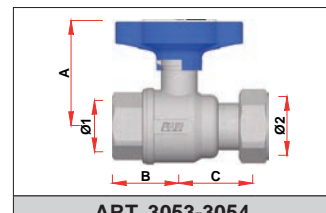
ART. 3055-3056

CODE	Ø1	Ø2	A	B	C
3055 34	G3/4	G3/4	59	41	42
3055 134	G1	G3/4	59	42	42
3055 1	G1	G1	59	42	43
3055 1121	G1	G1 1/2	59	42	44
3056 34	G3/4	G3/4	59	41	42
3056 134	G1	G3/4	59	42	42
3056 1	G1	G1	59	42	43



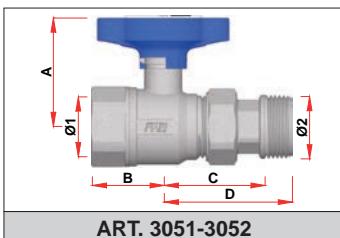
ART. 3045-3046

CODE	Ø1	Ø2	A	B	C
3045 1	G1	G1 1/2	59	54	44
3045 114	G1 1/4	G2	63	60	50
3046 1	G1	G1 1/2	59	54	44
3046 114	G1 1/4	G2	63	60	50



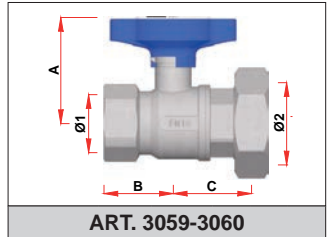
ART. 3053-3054

CODE	Ø1	Ø2	A	B	C
3053 134	G3/4	G1	59	37	43
3053 1	G1	G1	59	38	43
3054 134	G3/4	G1	59	37	43
3054 1	G1	G1	59	38	43



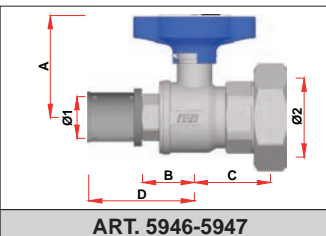
ART. 3051-3052

CODE	Ø1	Ø2	A	B	C	D
3051 34	G3/4	G3/4	59	37	51	63
3051 1	G1	G1	59	38	54	69
3052 34	G3/4	G3/4	59	37	51	63
3052 1	G1	G1	59	38	54	69



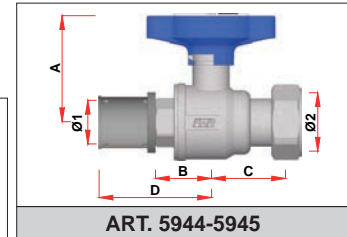
ART. 3059-3060

CODE	Ø1	Ø2	A	B	C
3059 1	G1	G1 1/2	59	38	44
3060 1	G1	G1 1/2	59	38	44



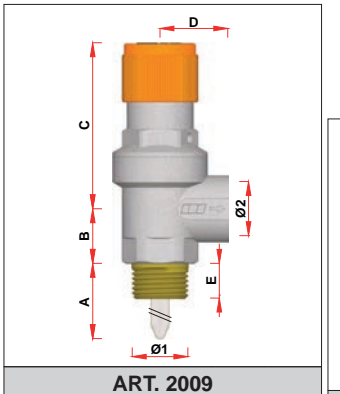
ART. 5946-5947

CODE	Ø1	Ø2	A	B	C	D
59462601	26x3	G1 1/2	59	34	44	61
59462602	26x3	G1 1/2	59	34	44	61
59463201	32x3	G1 1/2	59	34	44	62
59463202	32x3	G1 1/2	59	34	44	62
59472601	26x3	G1 1/2	59	34	44	61
59472602	26x3	G1 1/2	59	34	44	61
59473201	32x3	G1 1/2	59	34	44	62
59473202	32x3	G1 1/2	59	34	44	62



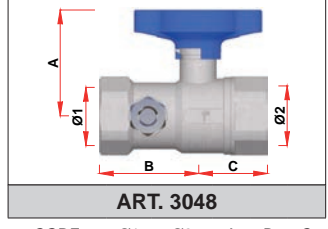
ART. 5944-5945

CODE	Ø1	Ø2	A	B	C	D
59442601	26x3	G1	59	34	43	61
59442602	26x3	G1	59	34	43	61
59443201	32x3	G1	59	34	43	62
59443202	32x3	G1	59	34	43	62
59444001	40x3,5	G1	59	36	43	73
59444002	40x3,5	G1	59	36	43	73
59452601	26x3	G1	59	34	43	61
59452602	26x3	G1	59	34	43	61
59453201	32x3	G1	59	34	43	62
59453202	32x3	G1	59	34	43	62
59454001	40x3,5	G1	59	36	43	73
59454002	40x3,5	G1	59	36	43	73



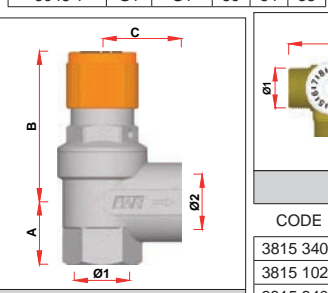
ART. 2009

CODE	Ø1	Ø2	A	B	C	D	E
2009 1212xx	G1/2	G1/2	121	21	62	26	13
2009 3434xx	G3/4	G3/4	116	25	62	29	14



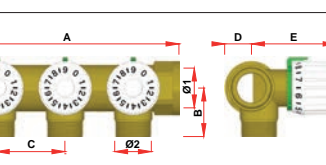
ART. 3048

CODE	Ø1	Ø2	A	B	C
3048 1	G1	G1	59	54	38



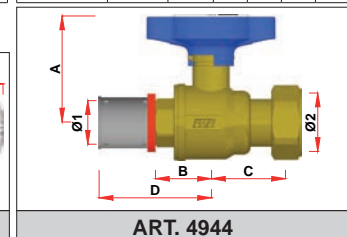
ART. 2006

CODE	Ø1	Ø2	A	B	C
2006 1234xx	G1/2	G3/4	25	59	31



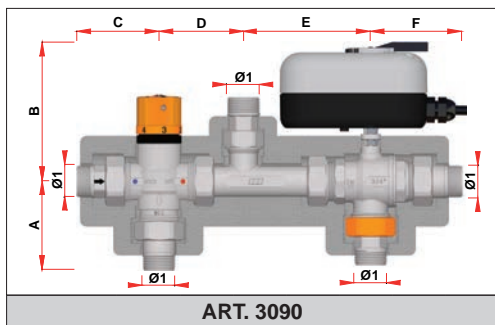
ART. 3815

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3815 3402	2	G3/4	104	32	45	18	55	24x19
3815 102	2	G1	108	36	45	21	57	24x19
3815 3403	3	G3/4	149	32	45	18	55	24x19
3815 103	3	G1	153	36	45	21	57	24x19
3815 3404	4	G3/4	194	33	45	18	55	24x19
3815 104	4	G1	198	36	45	21	57	24x19



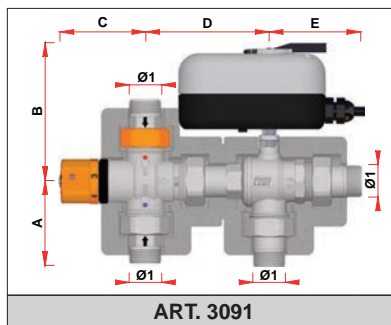
ART. 4944

CODE	Ø1	Ø2	A	B	C	D
49442501	25x2,3	G1	59	34	43	61
49442502	25x2,3	G1	59	34	43	61
49443201	32x2,9	G1	59	34	43	62
49443202	32x2,9	G1	59	34	43	62
49444001	40x3,7	G1	59	36	43	73
49444002	40x3,7	G1	59	36	43	73



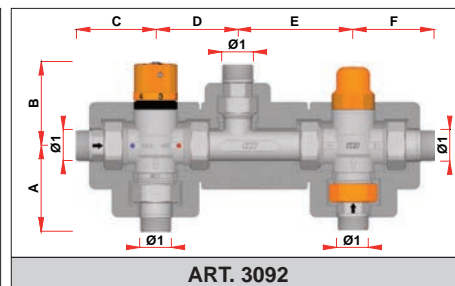
ART. 3090

CODE	Ø1	A	B	C	D	E	F
3090 34	G3/4	72	112	67	69	104	75



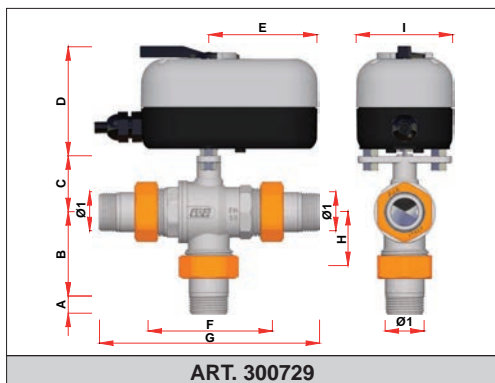
ART. 3091

CODE	Ø1	A	B	C	D	E
3091 34	G3/4	67	112	71	101	75



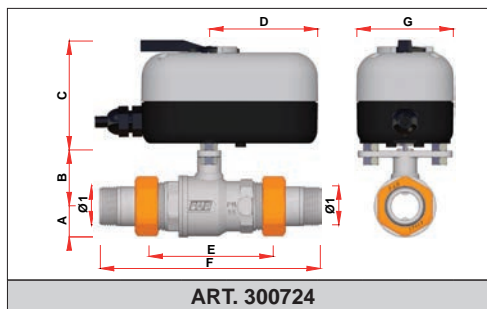
ART. 3092

CODE	Ø1	A	B	C	D	E	F
3092 34	G3/4	72	71	67	69	97	68



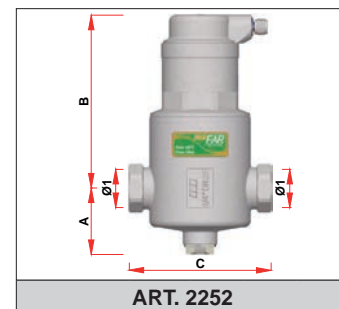
ART. 300729

CODE	Ø1	A	B	C	D	E	F	G	H	I
300729 3408	G3/4	13	56	38	75	74	84	150	36	66
300729 108	G1	16	63	42	75	74	94	171	41	66
300729 11408	G1 1/4	18	71	47	75	74	107	190	48	66



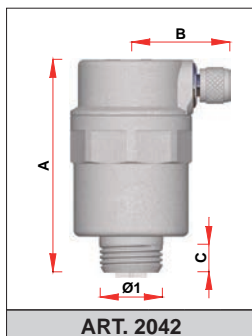
ART. 300724

CODE	Ø1	A	B	C	D	E	F	G
300724 3408	G3/4	21	38	75	74	84	150	66
300724 108	G1	26	42	75	74	94	171	66
300724 11408	G1 1/4	31	42	75	74	107	190	66



ART. 2252

CODE	Ø1	A	B	C
2252 34	G3/4	51	134	109
2252 1	G1	51	134	109
2252 114	G1 1/4	56	149	119
2252 112	G1 1/2	56	149	119
2252 2	G2	61	145	126



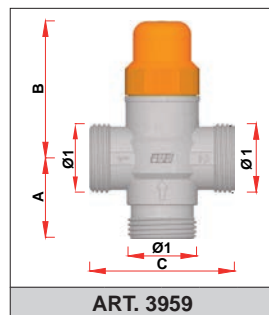
ART. 2042

CODE	Ø1	A	B	C
2042 38	G3/8	71	33	9
2042 12	G1/2	71	33	9



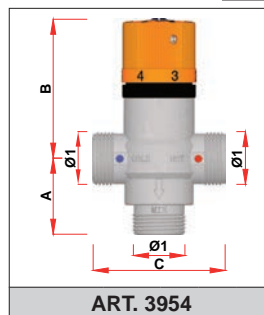
ART. 2068

CODE	Ø1	A	B	C
2068 12	G1/2	104	52	12



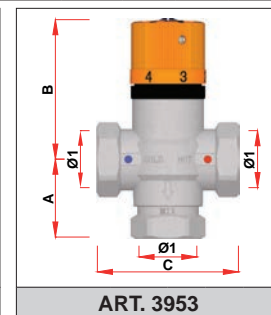
ART. 3959

CODE	Ø1	A	B	C
3959 1	G1	39	66	70



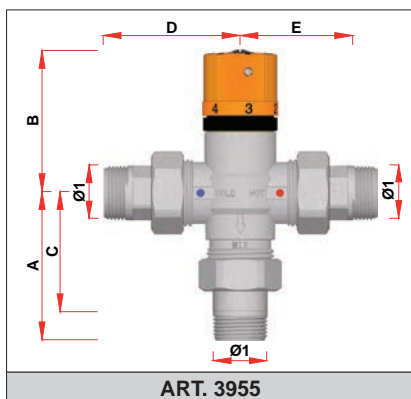
ART. 3954

CODE	Ø1	A	B	C
3954 34	G3/4	38	69	66
3954 1	G1	39	69	70



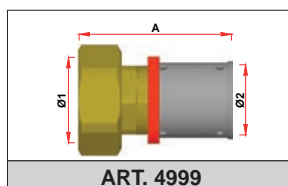
ART. 3953

CODE	Ø1	A	B	C
3953 12	G1/2	38	68	66
3953 34	G3/4	39	68	70
3953 1	G1	42	68	74



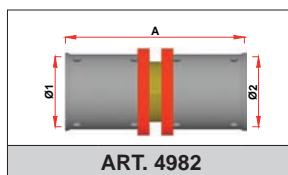
ART. 3955

CODE	Ø1	A	B	C	D	E
3955 12	G1/2	69	69	56	64	51
3955 12VR	G1/2	69	69	56	64	51
3955 34	G3/4	72	69	60	68	56
3955 34VR	G3/4	72	69	60	68	56
3955 1	G1	78	69	62	74	58
3955 1VR	G1	78	69	62	74	58
3955 114	G1 1/4	112	68	94	96	78
3955 112	G1 1/2	117	67	99	100	82



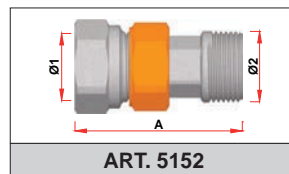
ART. 4999

CODE	Ø1	Ø2	A
49992501	G1 TP	25x2,3	56
49993201	G1 TP	32x2,9	59
49994001	G1 TP	40x3,7	73
49994002	G1 1/4 TP	40x3,7	71



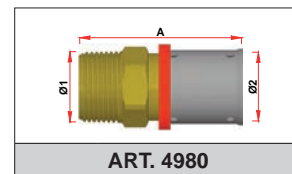
ART. 4982

CODE	Ø1	Ø2	A
49822501	25x2,3	25x2,3	66
49823201	32x2,9	32x2,9	66
49824001	40x3,7	40x3,7	85
49825001	50x4,6	50x4,6	90
49826301	63x5,8	63x5,8	136



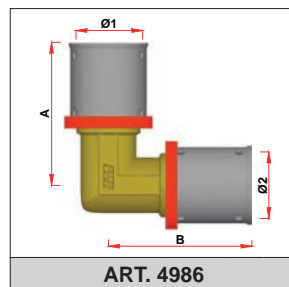
ART. 5152

CODE	Ø1	Ø2	A
5152 34	G3/4	G3/4	62
5152 1	G1	G1	67



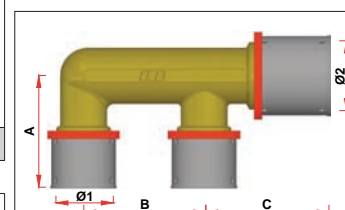
ART. 4980

CODE	Ø1	Ø2	A
49802501	R3/4	25x2,3	60
49803201	R1	32x2,9	63
49804001	R1 1/4	40x3,7	76
49804002	R1	40x3,7	73
49805001	R1 1/2	50x4,6	80
49806301	R2	63x5,8	108



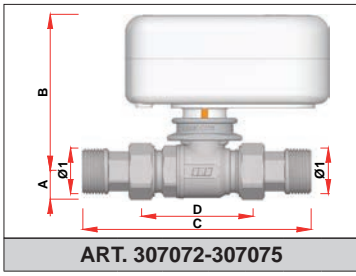
ART. 4986

CODE	Ø1	Ø2	A	B
49862501	25x2,3	25x2,3	52	52
49863201	32x2,9	32x2,9	55	55
49864001	40x3,7	40x3,7	68	68
49865001	50x4,6	50x4,6	82	82
49866301	63x5,8	63x5,8	114	114



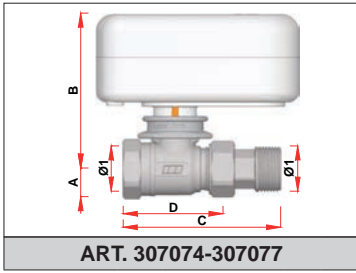
ART. 4932

CODE	Ø1	Ø2	A	B	C
49324001	32x2,9	40x3,7	61	65	68



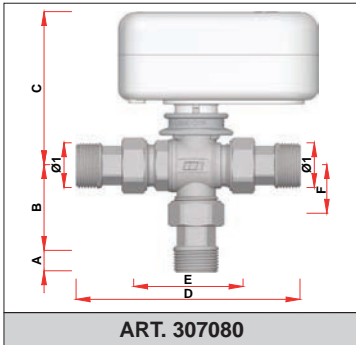
ART. 307072-307075

CODE	Ø1	DN	A	B	C	D
307072 1	G1	25	26	98	154	76
307075 12	G1/2	15	17	91	121	61
307075 34	G3/4	15	17	91	132	61
307075 1	G1	20	21	96	147	69



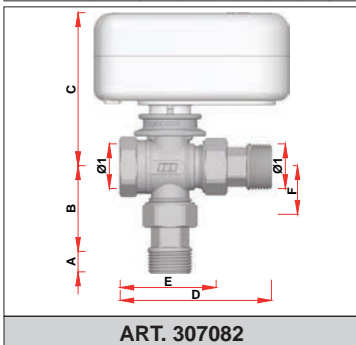
ART. 307074-307077

CODE	Ø1	DN	A	B	C	D
307074 1	G1	25	26	98	113	74
307077 12	G1/2	15	17	91	87	57
307077 34	G3/4	15	17	91	92	57
307077 1	G1	20	21	96	107	68



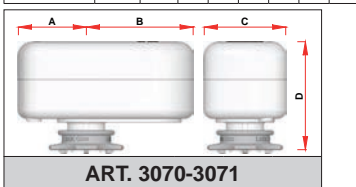
ART. 307080

CODE	Ø1	DN	A	B	C	D	E	F
307080 12	G1/2	15	11	46	91	121	61	27
307080 34	G3/4	15	13	49	91	132	61	27
307080 1	G1	20	16	56	96	147	69	33



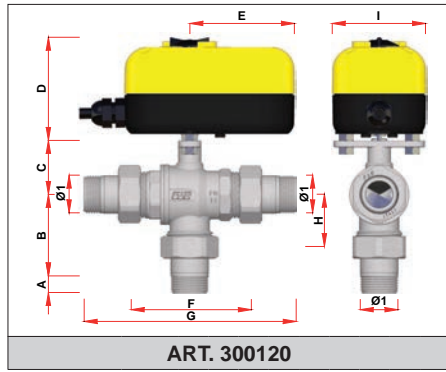
ART. 307082

CODE	Ø1	DN	A	B	C	D	E	F
307082 12	G1/2	15	11	46	91	87	57	27
307082 34	G3/4	15	13	49	91	92	57	27
307082 1	G1	20	16	56	96	107	68	33



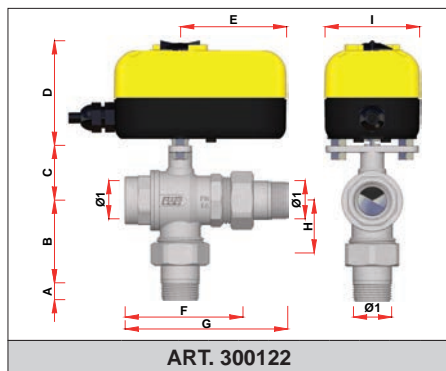
ART. 3070-3071

CODE	A	B	C	D
3070-3071	46	72	55	73



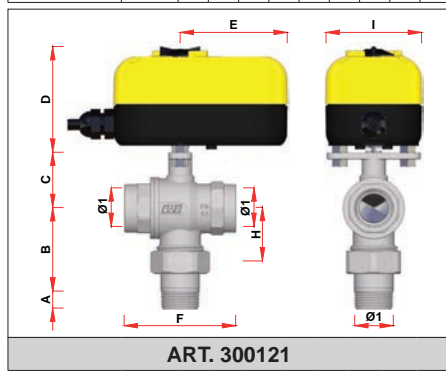
ART. 300120

CODE	Ø1	A	B	C	D	E	F	G	H	I
300120 1240	G1/2	11	48	33	73	74	75	136	28	66
300120 3440	G3/4	13	56	38	73	74	84	150	36	66
300120 140	G1	16	63	42	73	74	94	172	41	66
300120 11440	G1 1/4	18	71	47	73	74	107	190	48	66



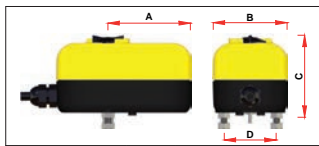
ART. 300122

CODE	Ø1	A	B	C	D	E	F	G	H	I
300122 1240	G1/2	11	48	33	73	74	70	100	28	66
300122 3440	G3/4	13	56	38	73	74	80	114	36	66
300122 140	G1	16	63	42	73	74	92	132	41	66
300122 11440	G1 1/4	18	71	47	73	74	106	148	48	66



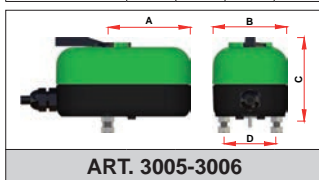
ART. 300121

CODE	Ø1	A	B	C	D	E	F	G	H
300121 1240	G1/2	11	48	33	73	74	64	28	66
300121 3440	G3/4	13	56	38	73	74	77	36	66
300121 140	G1	16	63	42	73	74	90	41	66



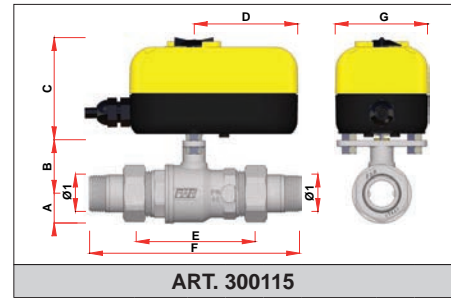
ART. 3001-3002

CODE	A	B	C	D
3001-3002	74	66	73	47



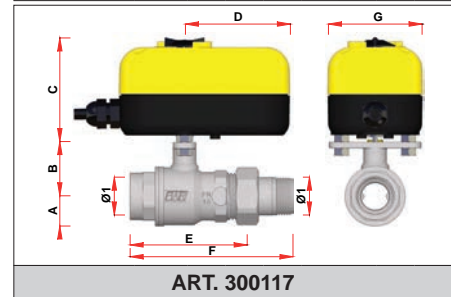
ART. 3005-3006

CODE	A	B	C	D
3005-3006	74	66	75	47



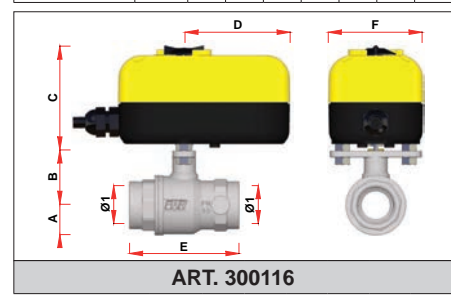
ART. 300115

CODE	Ø1	A	B	C	D	E	F	G
300115 1240	G1/2	16	33	73	74	75	136	66
300115 3440	G3/4	21	38	73	74	84	150	66
300115 140	G1	26	42	73	74	94	171	66
300115 11440	G1 1/4	31	47	73	74	107	190	66



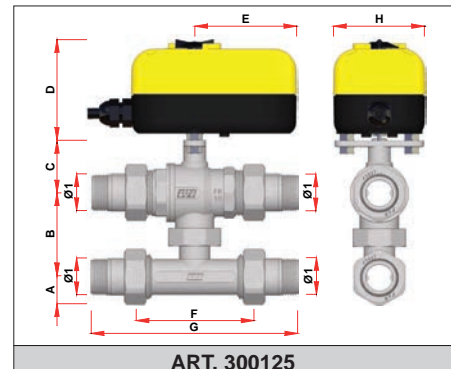
ART. 300117

CODE	Ø1	A	B	C	D	E	F	G
300117 1240	G1/2	16	33	73	74	70	100	66
300117 3440	G3/4	21	38	73	74	81	115	66
300117 140	G1	26	42	73	74	92	131	66
300117 11440	G1 1/4	31	47	73	74	106	148	66



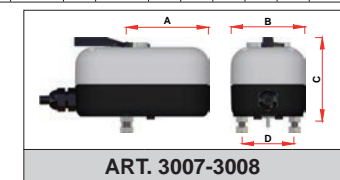
ART. 300116

CODE	Ø1	A	B	C	D	E	F
300116 1240	G1/2	16	33	73	74	64	66
300116 3440	G3/4	21	38	73	74	77	66
300116 140	G1	26	42	73	74	90	66



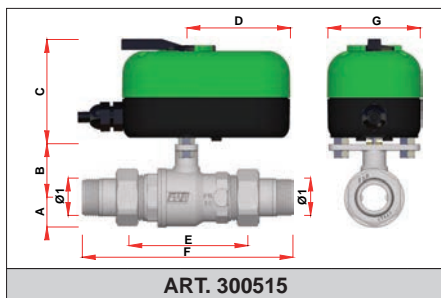
ART. 300125

CODE	Ø1	A	B	C	D	E	F	G	H
300125 3440	G3/4	21	52-63	38	73	74	84	150	66
300125 140	G1	26	52-63	42	73	74	94	172	66



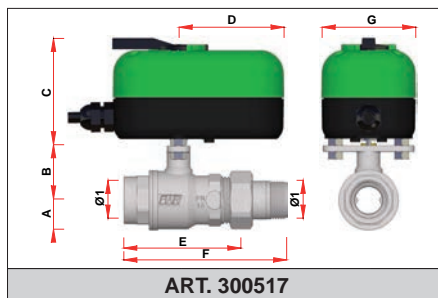
ART. 3007-3008

CODE	A	B	C	D
3007-3008	74	66	75	47



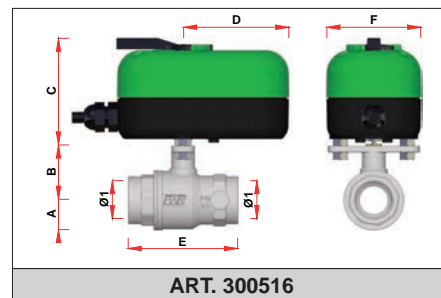
ART. 300515

CODE	Ø1	A	B	C	D	E	F	G
300515 1240	G1/2	16	33	75	74	75	136	66
300515 3440	G3/4	21	38	75	74	84	150	66
300515 140	G1	26	42	75	74	94	171	66
300515 11440	G1 1/4	31	47	75	74	107	190	66



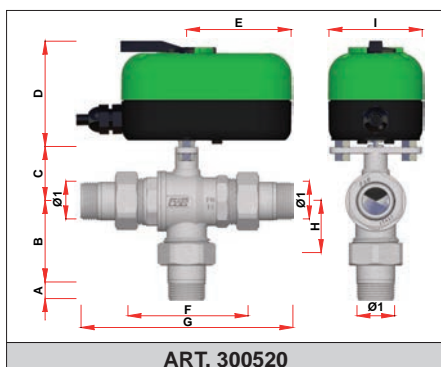
ART. 300517

CODE	Ø1	A	B	C	D	E	F	G
300517 1240	G1/2	16	33	75	74	70	100	66
300517 3440	G3/4	21	38	75	74	81	115	66
300517 140	G1	26	42	75	74	92	131	66
300517 11440	G1 1/4	31	47	75	74	106	148	66



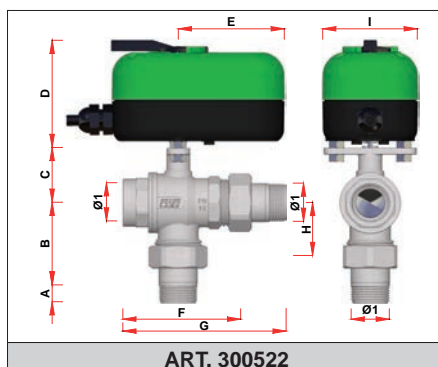
ART. 300516

CODE	Ø1	A	B	C	D	E	F
300516 1240	G1/2	16	33	75	74	64	66
300516 3440	G3/4	21	38	75	74	77	66
300516 140	G1	26	42	75	74	90	66



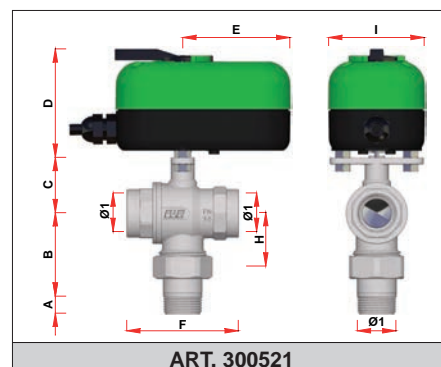
ART. 300520

CODE	Ø1	A	B	C	D	E	F	G	H	I
300520 1240	G1/2	11	48	33	75	74	75	136	28	66
300520 3440	G3/4	13	56	38	75	74	84	150	36	66
300520 140	G1	16	63	42	75	74	94	172	41	66
300520 11440	G1 1/4	18	71	47	75	74	107	190	48	66



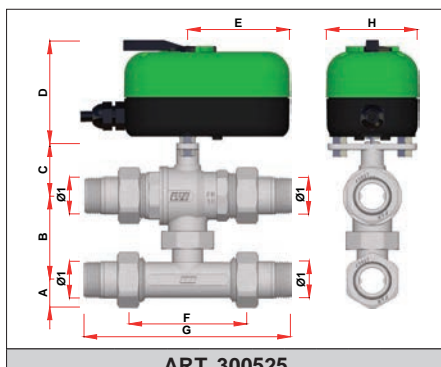
ART. 300522

CODE	Ø1	A	B	C	D	E	F	G	H	I
300522 1240	G1/2	11	48	33	75	74	70	100	28	66
300522 3440	G3/4	13	56	38	75	74	80	114	36	66
300522 140	G1	16	63	42	75	74	92	132	41	66
300522 11440	G1 1/4	18	71	47	75	74	106	148	48	66



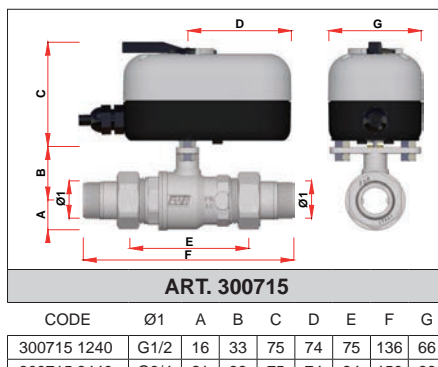
ART. 300521

CODE	Ø1	A	B	C	D	E	F	G	H
300521 1240	G1/2	11	48	33	75	74	64	28	66
300521 3440	G3/4	13	56	38	75	74	77	36	66
300521 140	G1	16	63	42	75	74	90	41	66



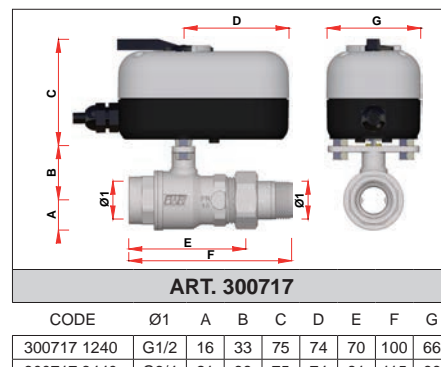
ART. 300525

CODE	Ø1	A	B	C	D	E	F	G	H
300525 3440	G3/4	21	52-63	38	75	74	84	150	66
300525 140	G1	26	52-63	42	75	74	94	172	66



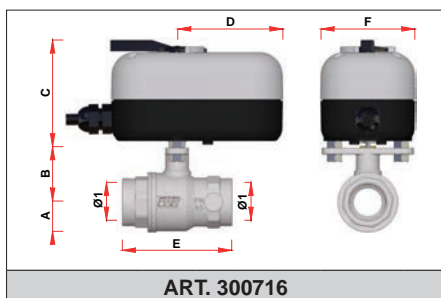
ART. 300715

CODE	Ø1	A	B	C	D	E	F	G
300715 1240	G1/2	16	33	75	74	75	136	66
300715 3440	G3/4	21	38	75	74	84	150	66
300715 140	G1	26	42	75	74	94	171	66
300715 11440	G1 1/4	31	47	75	74	107	190	66



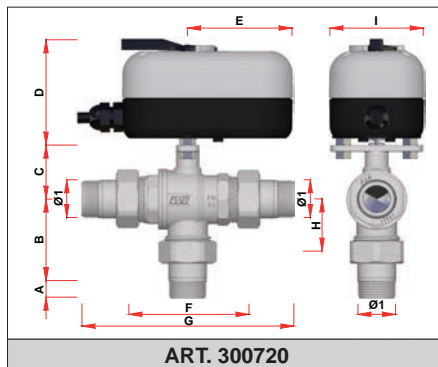
ART. 300717

CODE	Ø1	A	B	C	D	E	F	G
300717 1240	G1/2	16	33	75	74	70	100	66
300717 3440	G3/4	21	38	75	74	81	115	66
300717 140	G1	26	42	75	74	92	131	66
300717 11440	G1 1/4	31	47	75	74	106	148	66



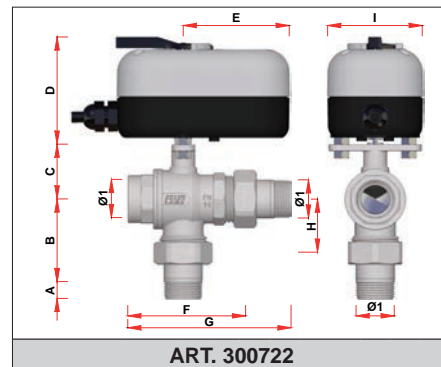
ART. 300716

CODE	Ø1	A	B	C	D	E	F
300716 1240	G1/2	16	33	75	74	64	66
300716 3440	G3/4	21	38	75	74	77	66
300716 140	G1	26	42	75	74	90	66



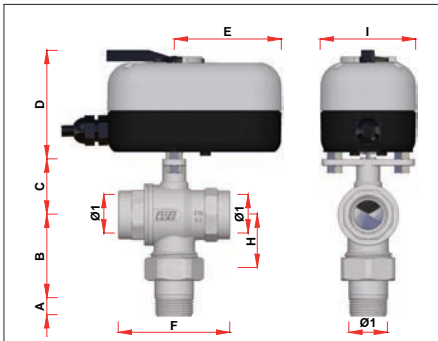
ART. 300720

CODE	Ø1	A	B	C	D	E	F	G	H	I
300720 1240	G1/2	11	48	33	75	74	75	136	28	66
300720 3440	G3/4	13	56	38	75	74	84	150	36	66
300720 140	G1	16	63	42	75	74	94	172	41	66
300720 11440	G1 1/4	18	71	47	75	74	107	190	48	66

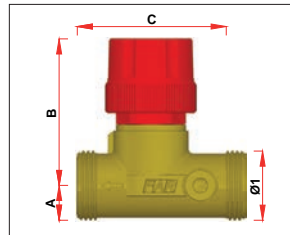


ART. 300722

CODE	Ø1	A	B	C	D	E	F	G	H	I
300722 1240	G1/2	11	48	33	75	74	70	100	28	66
300722 3440	G3/4	13	56	38	75	74	80	114	36	66
300722 140	G1	16	63	42	75	74	92	132	41	66
300722 11440	G1 1/4	18	71	47	75	74	106	148	48	66


ART. 300721

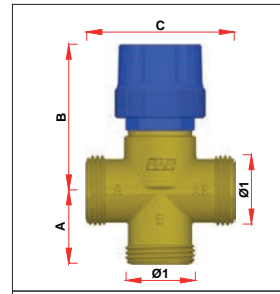
CODE	Ø1	A	B	C	D	E	F	G	H
300721 1240	G1/2	11	48	33	75	74	64	28	66
300721 3440	G3/4	13	56	38	75	74	77	36	66
300721 140	G1	16	63	42	75	74	90	41	66



* = with thermo-electric actuator

ART. 3085

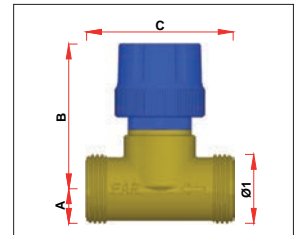
CODE	Ø1	A	B	C	D
3085 34	G3/4	13	56 (95*)	36	28
3085 1	G1	17	56 (95*)	36	28



* = with thermo-electric actuator

ART. 3086

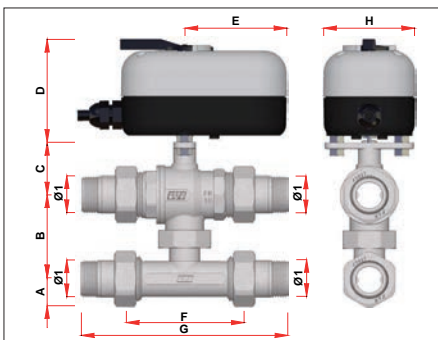
CODE	Ø1	A	B	C
3086 12	G1/2	26	56 (95*)	52
3086 34	G3/4	28	56 (95*)	56
3086 1	G1	31	56 (95*)	62



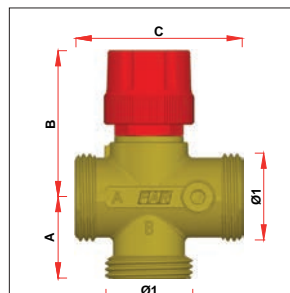
* = with thermo-electric actuator

ART. 3087

CODE	Ø1	A	B	C
3087 12	G1/2	11	56 (95*)	52
3087 34	G3/4	13	56 (95*)	56
3087 1	G1	17	56 (95*)	63


ART. 300725

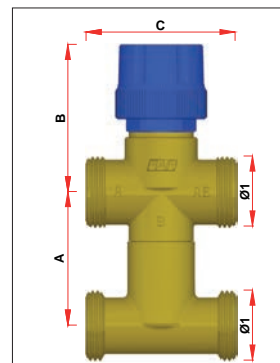
CODE	Ø1	A	B	C	D	E	F	G	H
300725 3440	G3/4	21	52-63	38	75	74	84	150	66
300725 140	G1	26	52-63	42	75	74	94	172	66



* = with thermo-electric actuator

ART. 3094

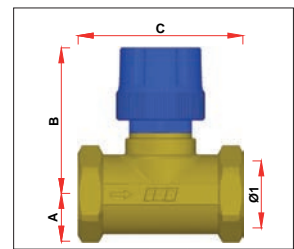
CODE	Ø1	A	B	C	D
3094 1	G1	31	56 (95*)	35	28



* = with thermo-electric actuator

ART. 3089

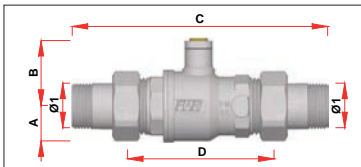
CODE	Ø1	A	B	C
3089 12	G1/2	41	56 (95*)	52
3089 34	G3/4	51	56 (95*)	56



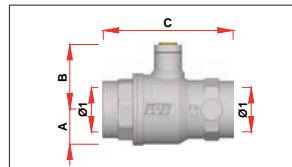
* = with thermo-electric actuator

ART. 3088

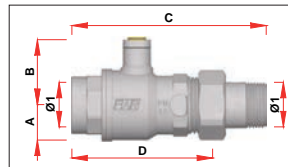
CODE	Ø1	A	B	C
3088 12	G1/2	15	56 (95*)	56
3088 34	G3/4	19	56 (95*)	64


ART. 3015

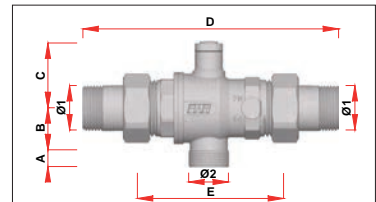
CODE	Ø1	A	B	C	D
3015 12	G1/2	16	33	136	75
3015 34	G3/4	21	38	150	84
3015 1	G1	26	42	171	94
3015 114	G1 1/4	31	47	190	107


ART. 3016

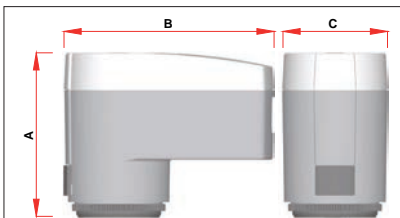
CODE	Ø1	A	B	C
3016 12	G1/2	16	33	64
3016 34	G3/4	21	38	77
3016 1	G1	26	42	90


ART. 3017

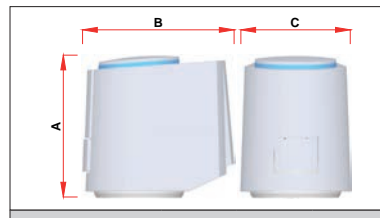
CODE	Ø1	A	B	C	D
3017 12	G1/2	16	33	100	70
3017 34	G3/4	21	38	115	81
3017 1	G1	26	42	131	92
3017 114	G1 1/4	31	47	148	106


ART. 3031

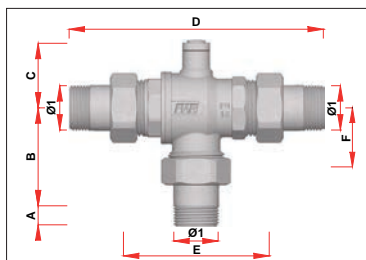
CODE	Ø1	Ø2	A	B	C	D	E
3031 34	G3/4	24x19	10	25	38	151	85
3031 1	G1	24x19	11	64	42	172	94


ART. 1911-1921

CODE	A	B	C
1911-1921	65	90	45

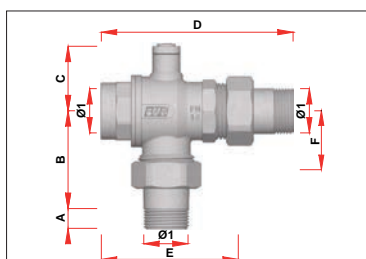

ART. 1912

CODE	A	B	C
1912	53	62	44



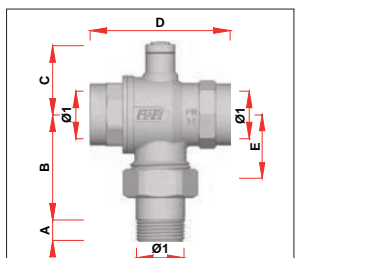
ART. 3020-3032

CODE	Ø1	A	B	C	D	E	F
3020 12	G1/2	11	48	33	136	75	28
3020 34	G3/4	13	56	38	150	84	36
3020 1	G1	16	63	42	172	94	41
3020 114	G1 1/4	18	71	47	190	107	48
3032 12	G1/2	11	48	33	136	75	28
3032 34	G3/4	13	56	38	150	84	36
3032 1	G1	16	63	42	172	94	41
3032 114	G1 1/4	18	71	47	190	107	48



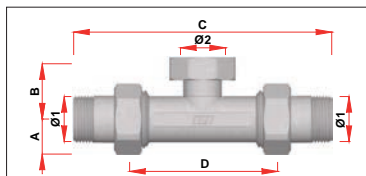
ART. 3022

CODE	Ø1	A	B	C	D	E	F
3022 12	G1/2	11	48	33	100	70	28
3022 34	G3/4	13	56	38	114	80	36
3022 1	G1	16	63	42	132	92	41
3022 114	G1 1/4	18	71	47	148	106	48



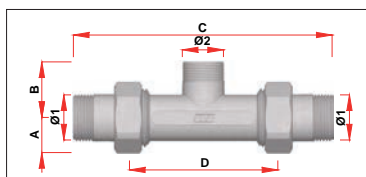
ART. 3021

CODE	Ø1	A	B	C	D	E
3021 12	G1/2	11	48	33	64	28
3021 34	G3/4	13	56	38	77	36
3021 1	G1	16	63	42	90	41



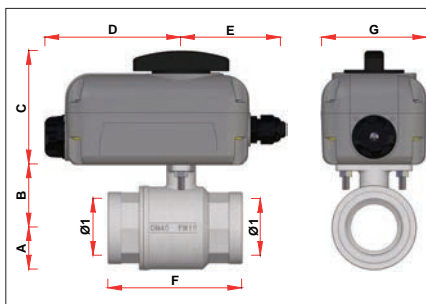
ART. 3026

CODE	Ø1	Ø2	A	B	C	D
3026 34	G3/4	G1	21	32	150	84
3026 1	G1	G1 1/4	26	28	172	94



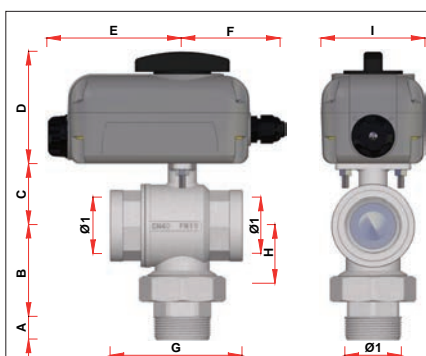
ART. 3027

CODE	Ø1	Ø2	A	B	C	D
3027 34	G3/4	24x19	21	32	150	84
3027 1	G1	24x19	26	46	172	94



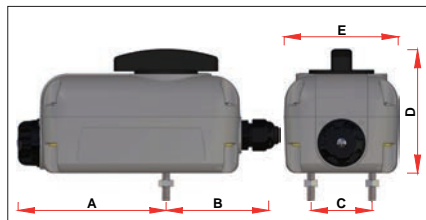
ART. 303916

CODE	Ø1	A	B	C	D	E	F	G
303916 112	G1 1/2	35	53	95	116	84	110	88
303916 2	G2	43	61	95	116	84	129	88



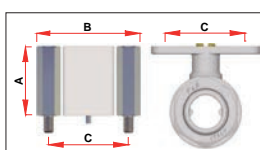
ART. 303921

CODE	Ø1	A	B	C	D	E	F	G	H	I
303921 112	G1 1/2	19	78	53	95	116	84	112	52	88
303921 2	G2	22	90	61	95	116	84	129	63	88



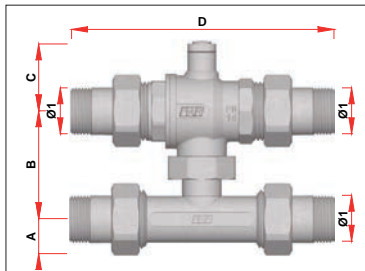
ART. 3039-3040

CODE	A	B	C	D	E
3039 30-3039 80	116	84	47	95	88
3040 30-3040 80	116	84	47	95	88



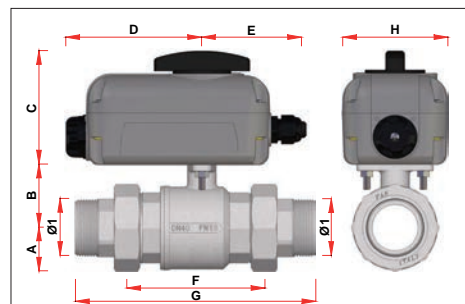
ART. 3009

CODE	A	B	C
3009 40	40	60	47
3009 100	100	60	47



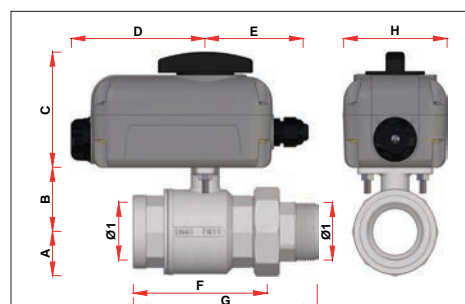
ART. 3025

CODE	Ø1	A	B	C	D	E
3025 34	G3/4	21	52-63	38	150	84
3025 1	G1	26	52-63	42	172	94



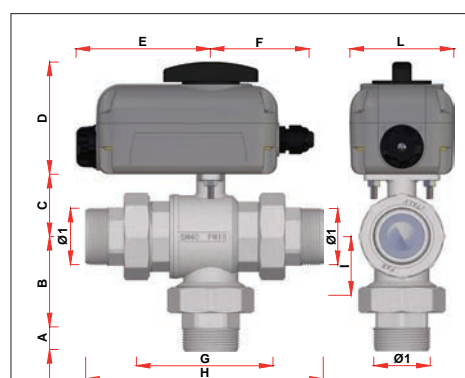
ART. 303915

CODE	Ø1	A	B	C	D	E	F	G	H
303915 112	G1 1/2	35	53	95	116	84	112	201	88
303915 2	G2	43	61	95	116	84	128	227	88



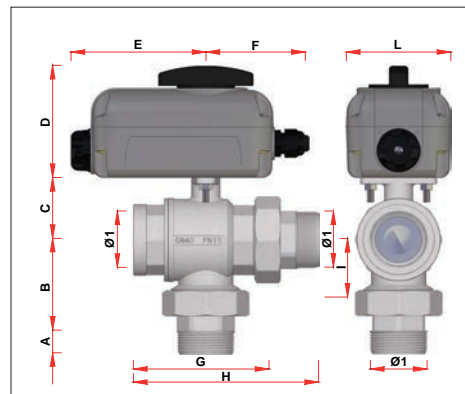
ART. 303917

CODE	Ø1	A	B	C	D	E	F	G	H
303917 112	G1 1/2	35	53	95	116	84	112	157	88
303917 2	G2	43	61	95	116	84	129	181	88



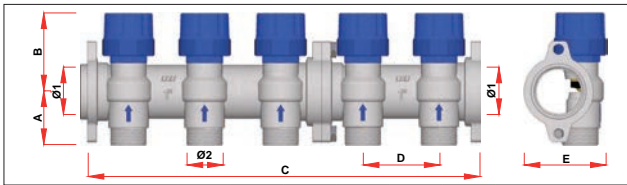
ART. 303920

CODE	Ø1	A	B	C	D	E	F	G	H	I	L
303920 112	G1 1/2	19	78	53	95	116	84	113	107	52	88
303920 2	G2	22	90	61	95	116	84	129	118	63	88



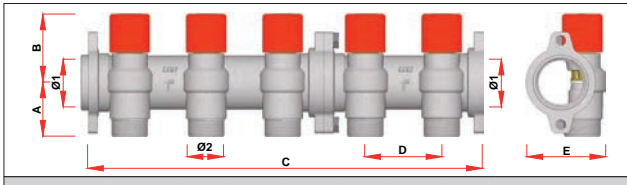
ART. 303922

CODE	Ø1	A	B	C	D	E	F	G	H	I	L
303922 112	G1 1/2	19	78	53	95	116	84	112	157	52	88
303922 2	G2	22	90	61	95	116	84	129	181	63	88



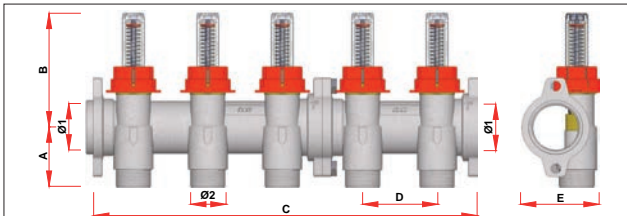
ART. 3914-3917

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3914-3917	2	G1	35	52	104	50	54	24x19-G3/4
3914-3917	3	G1	35	52	154	50	54	24x19-G3/4
3914-3917	4	G1	35	52	204	50	54	24x19-G3/4
3914-3917	5	G1	35	52	258	50	54	24x19-G3/4
3914-3917	6	G1	35	52	308	50	54	24x19-G3/4
3914-3917	7	G1	35	52	358	50	54	24x19-G3/4
3914-3917	8	G1	35	52	408	50	54	24x19-G3/4
3914-3917	9	G1	35	52	462	50	54	24x19-G3/4
3914-3917	10	G1	35	52	512	50	54	24x19-G3/4
3914-3917	11	G1	35	52	562	50	54	24x19-G3/4
3914-3917	12	G1	35	52	612	50	54	24x19-G3/4



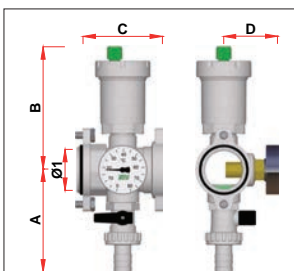
ART. 3915-3918

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3915-3918	2	G1	35	35	104	50	50	24x19-G3/4
3915-3918	3	G1	35	35	154	50	50	24x19-G3/4
3915-3918	4	G1	35	35	204	50	50	24x19-G3/4
3915-3918	5	G1	35	35	258	50	50	24x19-G3/4
3915-3918	6	G1	35	35	308	50	50	24x19-G3/4
3915-3918	7	G1	35	35	358	50	50	24x19-G3/4
3915-3918	8	G1	35	35	408	50	50	24x19-G3/4
3915-3918	9	G1	35	35	462	50	50	24x19-G3/4
3915-3918	10	G1	35	35	512	50	50	24x19-G3/4
3915-3918	11	G1	35	35	562	50	50	24x19-G3/4
3915-3918	12	G1	35	35	612	50	50	24x19-G3/4



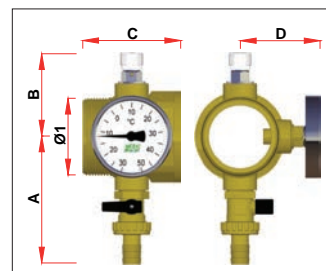
ART. 3972-3982

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3972-3982	2	G1	40	76	104	50	52	24x19-G3/4
3972-3982	3	G1	40	76	154	50	52	24x19-G3/4
3972-3982	4	G1	40	76	204	50	52	24x19-G3/4
3972-3982	5	G1	40	76	258	50	52	24x19-G3/4
3972-3982	6	G1	40	76	308	50	52	24x19-G3/4
3972-3982	7	G1	40	76	358	50	52	24x19-G3/4
3972-3982	8	G1	40	76	408	50	52	24x19-G3/4
3972-3982	9	G1	40	76	462	50	52	24x19-G3/4
3972-3982	10	G1	40	76	512	50	52	24x19-G3/4
3972-3982	11	G1	40	76	562	50	52	24x19-G3/4
3972-3982	12	G1	40	76	612	50	52	24x19-G3/4



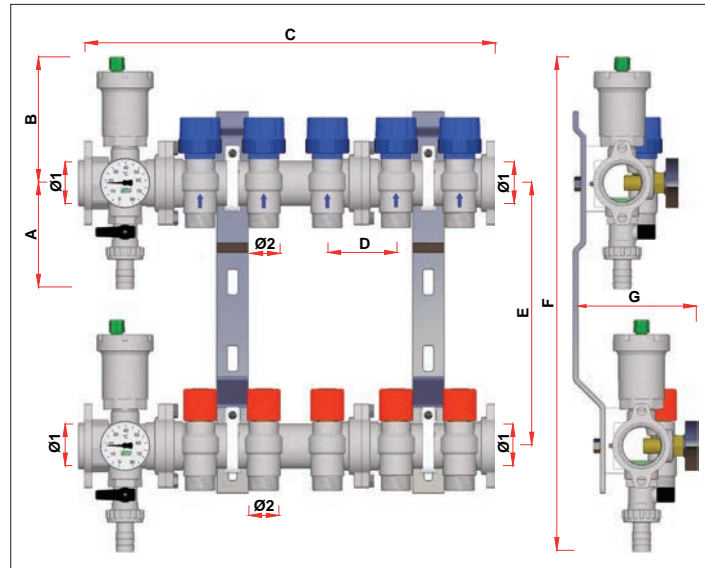
ART. 3445

CODE	Ø1	A	B	C	D
3445 1	G1	83	99	64	43



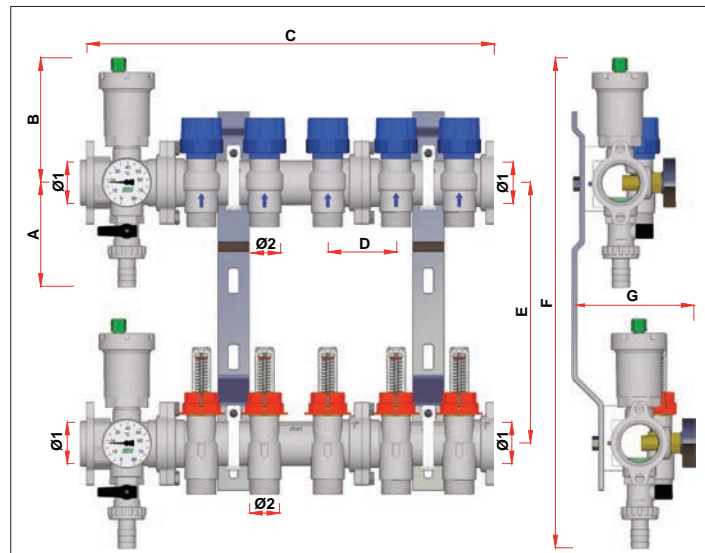
ART. 3451

CODE	Ø1	A	B	C	D
3451 MG2	G2	99	63	76	62



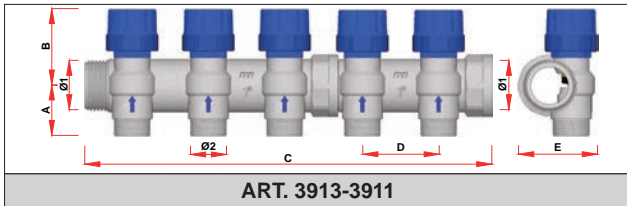
ART. 3465-3471

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3465-3471	2	G1	83	99	168	50	206-235	388-417	96	24x19-G3/4
3465-3471	3	G1	83	99	218	50	206-235	388-417	96	24x19-G3/4
3465-3471	4	G1	83	99	268	50	206-235	388-417	96	24x19-G3/4
3465-3471	5	G1	83	99	322	50	206-235	388-417	96	24x19-G3/4
3465-3471	6	G1	83	99	372	50	206-235	388-417	96	24x19-G3/4
3465-3471	7	G1	83	99	422	50	206-235	388-417	96	24x19-G3/4
3465-3471	8	G1	83	99	472	50	206-235	388-417	96	24x19-G3/4
3465-3471	9	G1	83	99	526	50	206-235	388-417	96	24x19-G3/4
3465-3471	10	G1	83	99	576	50	206-235	388-417	96	24x19-G3/4
3465-3471	11	G1	83	99	626	50	206-235	388-417	96	24x19-G3/4
3465-3471	12	G1	83	99	676	50	206-235	388-417	96	24x19-G3/4



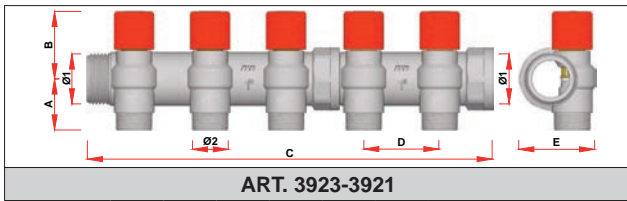
ART. 3563-3583

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3563-3583	2	G1	83	99	168	50	206-235	388-417	96	24x19-G3/4
3563-3583	3	G1	83	99	218	50	206-235	388-417	96	24x19-G3/4
3563-3583	4	G1	83	99	268	50	206-235	388-417	96	24x19-G3/4
3563-3583	5	G1	83	99	322	50	206-235	388-417	96	24x19-G3/4
3563-3583	6	G1	83	99	372	50	206-235	388-417	96	24x19-G3/4
3563-3583	7	G1	83	99	422	50	206-235	388-417	96	24x19-G3/4
3563-3583	8	G1	83	99	472	50	206-235	388-417	96	24x19-G3/4
3563-3583	9	G1	83	99	526	50	206-235	388-417	96	24x19-G3/4
3563-3583	10	G1	83	99	576	50	206-235	388-417	96	24x19-G3/4
3563-3583	11	G1	83	99	626	50	206-235	388-417	96	24x19-G3/4
3563-3583	12	G1	83	99	676	50	206-235	388-417	96	24x19-G3/4



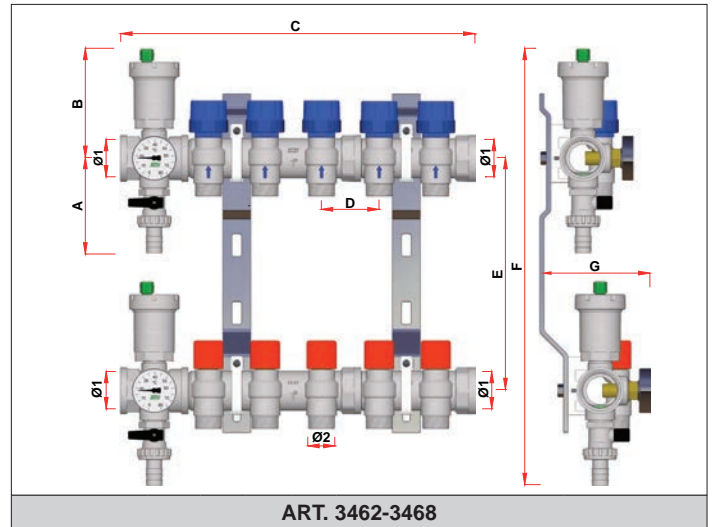
ART. 3913-3911

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3913-3911	2	G1	34	52	116	50	52	24x19-G1/2-G3/4
3913-3911	3	G1	34	52	166	50	52	24x19-G1/2-G3/4
3913-3911	4	G1	34	52	216	50	52	24x19-G1/2-G3/4
3913-3911	5	G1	34	52	267	50	52	24x19-G1/2-G3/4
3913-3911	6	G1	34	52	317	50	52	24x19-G1/2-G3/4
3913-3911	7	G1	34	52	367	50	52	24x19-G1/2-G3/4
3913-3911	8	G1	34	52	417	50	52	24x19-G1/2-G3/4
3913-3911	9	G1	34	52	468	50	52	24x19-G1/2-G3/4
3913-3911	10	G1	34	52	518	50	52	24x19-G1/2-G3/4
3913-3911	11	G1	34	52	568	50	52	24x19-G1/2-G3/4
3913-3911	12	G1	34	52	618	50	52	24x19-G1/2-G3/4
3913-3911	2	G1 1/4	38	56	120	50	62	24x19-G3/4
3913-3911	3	G1 1/4	38	56	170	50	62	24x19-G3/4
3913-3911	4	G1 1/4	38	56	221	50	62	24x19-G3/4
3913-3911	5	G1 1/4	38	56	271	50	62	24x19-G3/4
3913-3911	6	G1 1/4	38	56	321	50	62	24x19-G3/4
3913-3911	7	G1 1/4	38	56	372	50	62	24x19-G3/4
3913-3911	8	G1 1/4	38	56	422	50	62	24x19-G3/4
3913-3911	9	G1 1/4	38	56	472	50	62	24x19-G3/4
3913-3911	10	G1 1/4	38	56	523	50	62	24x19-G3/4
3913-3911	11	G1 1/4	38	56	573	50	62	24x19-G3/4
3913-3911	12	G1 1/4	38	56	623	50	62	24x19-G3/4



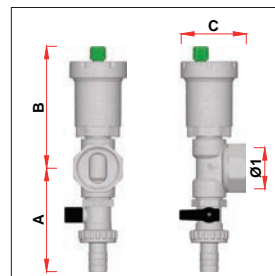
ART. 3923-3921

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3923-3921	2	G1	34	45	116	50	48	24x19-G1/2-G3/4
3923-3921	3	G1	34	45	166	50	48	24x19-G1/2-G3/4
3923-3921	4	G1	34	45	216	50	48	24x19-G1/2-G3/4
3923-3921	5	G1	34	45	267	50	48	24x19-G1/2-G3/4
3923-3921	6	G1	34	45	317	50	48	24x19-G1/2-G3/4
3923-3921	7	G1	34	45	367	50	48	24x19-G1/2-G3/4
3923-3921	8	G1	34	45	417	50	48	24x19-G1/2-G3/4
3923-3921	9	G1	34	45	468	50	48	24x19-G1/2-G3/4
3923-3921	10	G1	34	45	518	50	48	24x19-G1/2-G3/4
3923-3921	11	G1	34	45	568	50	48	24x19-G1/2-G3/4
3923-3921	12	G1	34	45	618	50	48	24x19-G1/2-G3/4
3923-3921	2	G1 1/4	38	50	120	50	58	24x19-G3/4
3923-3921	3	G1 1/4	38	50	170	50	58	24x19-G3/4
3923-3921	4	G1 1/4	38	50	221	50	58	24x19-G3/4
3923-3921	5	G1 1/4	38	50	271	50	58	24x19-G3/4
3923-3921	6	G1 1/4	38	50	321	50	58	24x19-G3/4
3923-3921	7	G1 1/4	38	50	372	50	58	24x19-G3/4
3923-3921	8	G1 1/4	38	50	422	50	58	24x19-G3/4
3923-3921	9	G1 1/4	38	50	472	50	58	24x19-G3/4
3923-3921	10	G1 1/4	38	50	523	50	58	24x19-G3/4
3923-3921	11	G1 1/4	38	50	573	50	58	24x19-G3/4
3923-3921	12	G1 1/4	38	50	623	50	58	24x19-G3/4



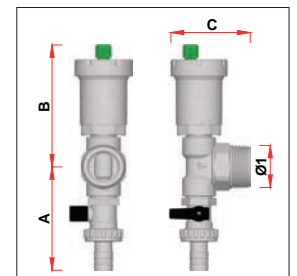
ART. 3462-3468

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3462-3468	2	G1	84	97	163	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	3	G1	84	97	213	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	4	G1	84	97	263	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	5	G1	84	97	313	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	6	G1	84	97	364	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	7	G1	84	97	414	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	8	G1	84	97	464	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	9	G1	84	97	515	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	10	G1	84	97	565	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	11	G1	84	97	615	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	12	G1	84	97	665	50	206-235	387-416	96	24x19-G1/2-G3/4
3462-3468	2	G1 1/4	90	102	167	50	206-235	398-427	107	24x19-G3/4
3462-3468	3	G1 1/4	90	102	217	50	206-235	398-427	107	24x19-G3/4
3462-3468	4	G1 1/4	90	102	268	50	206-235	398-427	107	24x19-G3/4
3462-3468	5	G1 1/4	90	102	318	50	206-235	398-427	107	24x19-G3/4
3462-3468	6	G1 1/4	90	102	368	50	206-235	398-427	107	24x19-G3/4
3462-3468	7	G1 1/4	90	102	419	50	206-235	398-427	107	24x19-G3/4
3462-3468	8	G1 1/4	90	102	469	50	206-235	398-427	107	24x19-G3/4
3462-3468	9	G1 1/4	90	102	519	50	206-235	398-427	107	24x19-G3/4
3462-3468	10	G1 1/4	90	102	570	50	206-235	398-427	107	24x19-G3/4
3462-3468	11	G1 1/4	90	102	620	50	206-235	398-427	107	24x19-G3/4
3462-3468	12	G1 1/4	90	102	670	50	206-235	398-427	107	24x19-G3/4



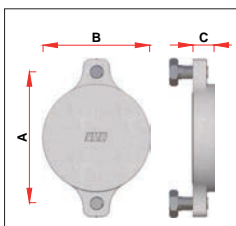
ART. 4070

CODE	Ø1	A	B	C
4070 3438	G3/4	78	91	48
4070 138	G1	80	95	50
4070 11438	G1 1/4	85	100	51
4070 11238	G1 1/2	90	105	52



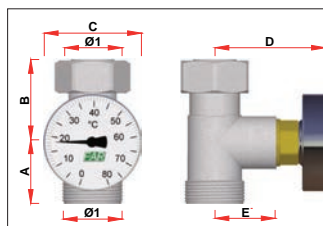
ART. 4071

CODE	Ø1	A	B	C
4071 3438	G3/4	78	91	60
4071 138	G1	80	95	62
4071 11438	G1 1/4	85	100	66
4071 11238	G1 1/2	90	105	68



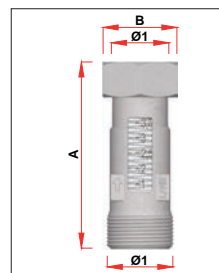
ART. 4310

CODE	A	B	C
4310 1	55	45	9
4310 114	60	51	10
4310 112	67	58	10
4310 2	80	70	10



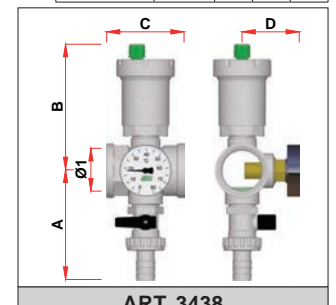
ART. 3427-3433-3434

CODE	Ø1	A	B	C	D	E
3427	M33x1,5	26	44	42	44	25
3433 34EU	G3/4EU	26	34	39	44	25
3433 34TP	G3/4TP	26	34	39	44	25
3434	W24x19	25	34	39	44	25



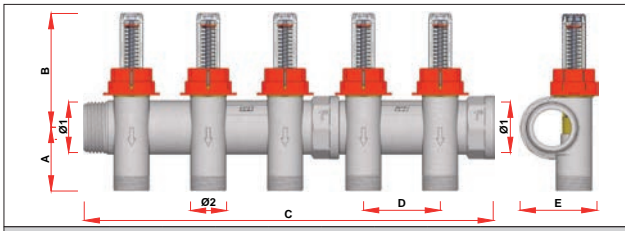
ART. 3428-3429

CODE	Ø1	A	B
3428	G3/4EU	62	27
3429	24x19	67	27



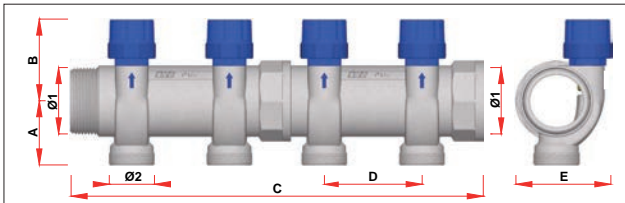
ART. 3438

CODE	Ø1	A	B	C	D
3438 1	G1	84	97	60	43
3438 114	G1 1/4	90	102	65	50
3438 112	G1 1/2	92	106	72	52



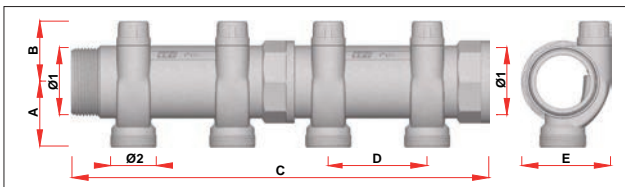
ART. 3970-3980

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3970-3980	2	G1	40	76	116	50	50	24x19-G1/2-G3/4
3970-3980	3	G1	40	76	166	50	50	24x19-G1/2-G3/4
3970-3980	4	G1	40	76	216	50	50	24x19-G1/2-G3/4
3970-3980	5	G1	40	76	267	50	50	24x19-G1/2-G3/4
3970-3980	6	G1	40	76	317	50	50	24x19-G1/2-G3/4
3970-3980	7	G1	40	76	367	50	50	24x19-G1/2-G3/4
3970-3980	8	G1	40	76	417	50	50	24x19-G1/2-G3/4
3970-3980	9	G1	40	76	468	50	50	24x19-G1/2-G3/4
3970-3980	10	G1	40	76	518	50	50	24x19-G1/2-G3/4
3970-3980	11	G1	40	76	568	50	50	24x19-G1/2-G3/4
3970-3980	12	G1	40	76	618	50	50	24x19-G1/2-G3/4
3970-3980	2	G1 1/4	39	78	120	50	60	24x19-G3/4
3970-3980	3	G1 1/4	39	78	170	50	60	24x19-G3/4
3970-3980	4	G1 1/4	39	78	221	50	60	24x19-G3/4
3970-3980	5	G1 1/4	39	78	271	50	60	24x19-G3/4
3970-3980	6	G1 1/4	39	78	321	50	60	24x19-G3/4
3970-3980	7	G1 1/4	39	78	372	50	60	24x19-G3/4
3970-3980	8	G1 1/4	39	78	422	50	60	24x19-G3/4
3970-3980	9	G1 1/4	39	78	472	50	60	24x19-G3/4
3970-3980	10	G1 1/4	39	78	523	50	60	24x19-G3/4
3970-3980	11	G1 1/4	39	78	573	50	60	24x19-G3/4
3970-3980	12	G1 1/4	39	78	623	50	60	24x19-G3/4



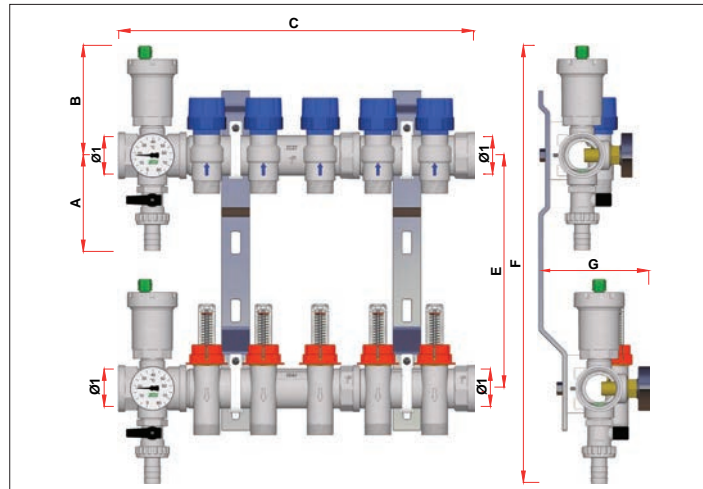
ART. 3910

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3910 11202	2	G1 1/2	46	58	159	70	68	M33x1,5
3910 11203	3	G1 1/2	46	58	229	70	68	M33x1,5
3910 11204	4	G1 1/2	46	58	299	70	68	M33x1,5
3910 11205	5	G1 1/2	46	58	369	70	68	M33x1,5
3910 11206	6	G1 1/2	46	58	439	70	68	M33x1,5
3910 11207	7	G1 1/2	46	58	509	70	68	M33x1,5
3910 11208	8	G1 1/2	46	58	579	70	68	M33x1,5
3910 11209	9	G1 1/2	46	58	649	70	68	M33x1,5
3910 11210	10	G1 1/2	46	58	719	70	68	M33x1,5
3910 11211	11	G1 1/2	46	58	789	70	68	M33x1,5
3910 11212	12	G1 1/2	46	58	859	70	68	M33x1,5



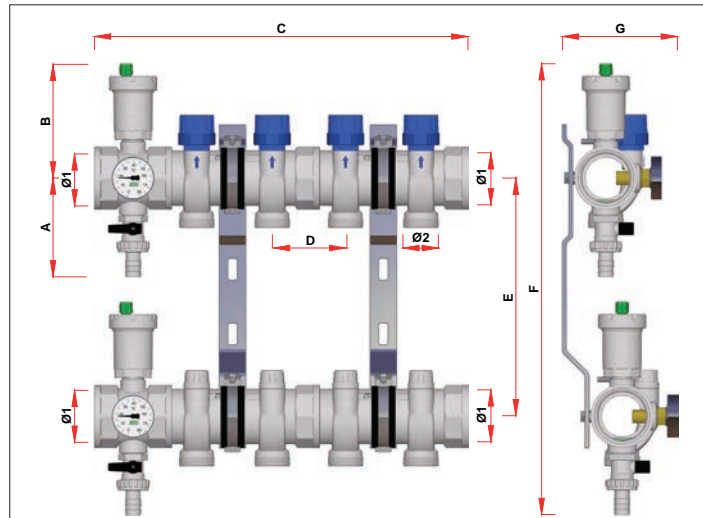
ART. 3920

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3920 11202	2	G1 1/2	46	43	159	70	63	M33x1,5
3920 11203	3	G1 1/2	46	43	229	70	63	M33x1,5
3920 11204	4	G1 1/2	46	43	299	70	63	M33x1,5
3920 11205	5	G1 1/2	46	43	369	70	63	M33x1,5
3920 11206	6	G1 1/2	46	43	439	70	63	M33x1,5
3920 11207	7	G1 1/2	46	43	509	70	63	M33x1,5
3920 11208	8	G1 1/2	46	43	579	70	63	M33x1,5
3920 11209	9	G1 1/2	46	43	649	70	63	M33x1,5
3920 11210	10	G1 1/2	46	43	719	70	63	M33x1,5
3920 11211	11	G1 1/2	46	43	789	70	63	M33x1,5
3920 11212	12	G1 1/2	46	43	859	70	63	M33x1,5



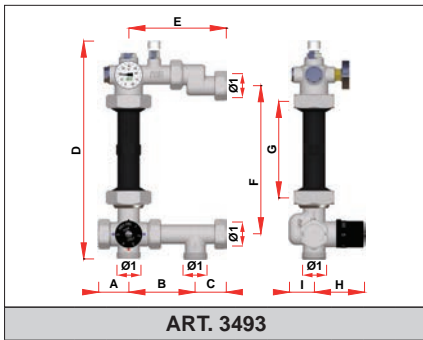
ART. 3561-3581

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3561-3581	2	G1	84	97	163	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	3	G1	84	97	213	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	4	G1	84	97	263	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	5	G1	84	97	314	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	6	G1	84	97	364	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	7	G1	84	97	414	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	8	G1	84	97	464	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	9	G1	84	97	515	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	10	G1	84	97	565	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	11	G1	84	97	615	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	12	G1	84	97	665	50	206-235	387-416	96	24x19-G1/2-G3/4
3561-3581	2	G1 1/4	90	102	167	50	206-235	398-427	107	24x19-G3/4
3561-3581	3	G1 1/4	90	102	217	50	206-235	398-427	107	24x19-G3/4
3561-3581	4	G1 1/4	90	102	268	50	206-235	398-427	107	24x19-G3/4
3561-3581	5	G1 1/4	90	102	318	50	206-235	398-427	107	24x19-G3/4
3561-3581	6	G1 1/4	90	102	368	50	206-235	398-427	107	24x19-G3/4
3561-3581	7	G1 1/4	90	102	419	50	206-235	398-427	107	24x19-G3/4
3561-3581	8	G1 1/4	90	102	469	50	206-235	398-427	107	24x19-G3/4
3561-3581	9	G1 1/4	90	102	519	50	206-235	398-427	107	24x19-G3/4
3561-3581	10	G1 1/4	90	102	570	50	206-235	398-427	107	24x19-G3/4
3561-3581	11	G1 1/4	90	102	620	50	206-235	398-427	107	24x19-G3/4
3561-3581	12	G1 1/4	90	102	670	50	206-235	398-427	107	24x19-G3/4



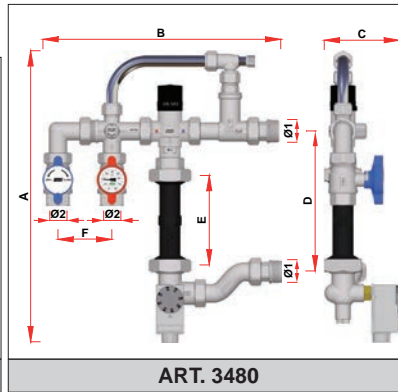
ART. 3459

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3459 11202	2	G1 1/2	92	106	211	70	221	419	107	M33x1,5
3459 11203	3	G1 1/2	92	106	281	70	221	419	107	M33x1,5
3459 11204	4	G1 1/2	92	106	351	70	221	419	107	M33x1,5
3459 11205	5	G1 1/2	92	106	421	70	221	419	107	M33x1,5
3459 11206	6	G1 1/2	92	106	491	70	221	419	107	M33x1,5
3459 11207	7	G1 1/2	92	106	561	70	221	419	107	M33x1,5
3459 11208	8	G1 1/2	92	106	631	70	221	419	107	M33x1,5
3459 11209	9	G1 1/2	92	106	701	70	221	419	107	M33x1,5
3459 11210	10	G1 1/2	92	106	771	70	221	419	107	M33x1,5
3459 11211	11	G1 1/2	92	106	841	70	221	419	107	M33x1,5
3459 11212	12	G1 1/2	92	106	911	70	221	419	107	M33x1,5



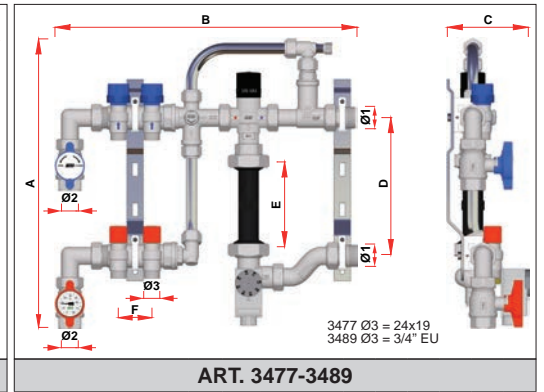
ART. 3493

CODE	Ø1	A	B	C	D	E	F	G	H	I
3493 1	G1	41	91	36	302	127	204-234	130	69	34



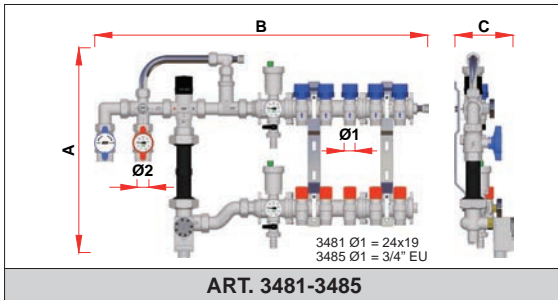
ART. 3480

CODE	Ø1	Ø2	A	B	C	D	E	F
3480 34	G3/4	G3/4	439	350	125	221	130	79
3480 1	G1	G3/4	428	349	109	206	130	79
3480 114	G1/1/4	G3/4	439	350	125	221	130	79



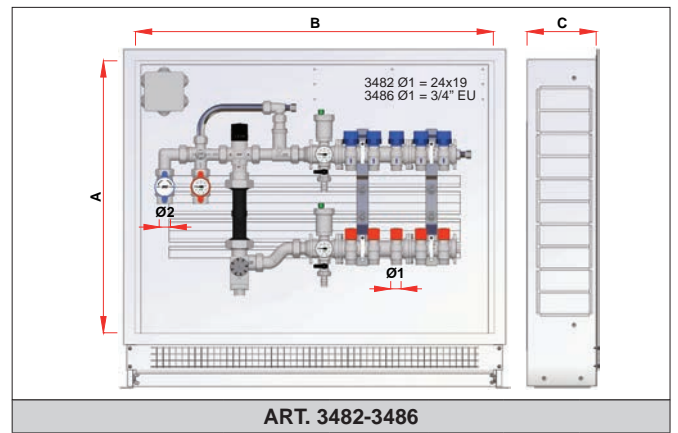
ART. 3477-3489

CODE	Ø1	Ø2	Ø3	A	B	C	D	E	F
3477 102-3489 13402	G1	G3/4	24x19-G3/4	432	452	121	206	130	50
3477 103-3489 13403	G1	G3/4	24x19-G3/4	432	502	121	206	130	50
3477 104-3489 13404	G1	G3/4	24x19-G3/4	432	552	121	206	130	50
3477 105-3489 13405	G1	G3/4	24x19-G3/4	432	603	121	206	130	50



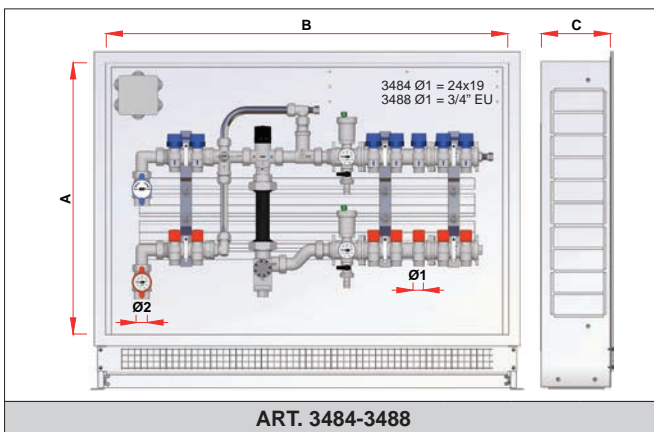
ART. 3481-3485

CODE	Ø1	Ø2	A	B	C
3481 103-3485 13403	24x19-G3/4	G3/4	428	591	121
3481 104-3485 13404	24x19-G3/4	G3/4	428	641	121
3481 105-3485 13405	24x19-G3/4	G3/4	428	695	121
3481 106-3485 13406	24x19-G3/4	G3/4	428	745	121
3481 107-3485 13407	24x19-G3/4	G3/4	428	795	121
3481 108-3485 13408	24x19-G3/4	G3/4	428	845	121
3481 109-3485 13409	24x19-G3/4	G3/4	428	899	121
3481 110-3485 13410	24x19-G3/4	G3/4	428	949	121
3481 1113-485 13411	24x19-G3/4	G3/4	428	999	121
3481 112-3485 13412	24x19-G3/4	G3/4	428	1049	121



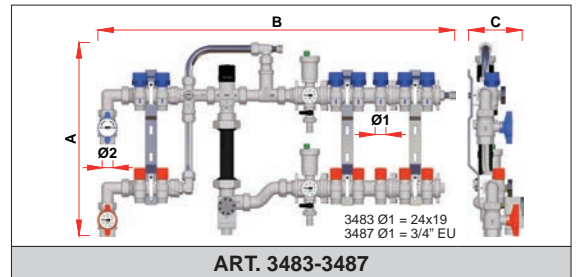
ART. 3482-3486

CODE	Ø1	Ø2	A	B	C
3482 103-3486 13403	24x19-G3/4	G3/4	600	700	150-190
3482 104-3486 13404	24x19-G3/4	G3/4	600	700	150-190
3482 105-3486 13405	24x19-G3/4	G3/4	600	800	150-190
3482 106-3486 13406	24x19-G3/4	G3/4	600	800	150-190
3482 107-3486 13407	24x19-G3/4	G3/4	600	900	150-190
3482 108-3486 13408	24x19-G3/4	G3/4	600	900	150-190
3482 109-3486 13409	24x19-G3/4	G3/4	600	1000	150-190
3482 110-3486 13410	24x19-G3/4	G3/4	600	1000	150-190
3482 111-3486 13411	24x19-G3/4	G3/4	600	1100	150-190
3482 112-3486 13412	24x19-G3/4	G3/4	600	1100	150-190



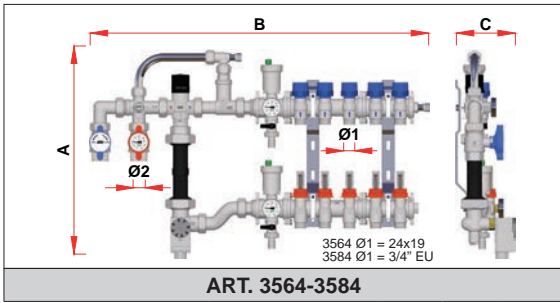
ART. 3484-3488

CODE	Ø1	Ø2	A	B	C
3484 10302-3488 1340302	24x19-G3/4	G3/4	600	800	150-190
3484 10402-3488 1340402	24x19-G3/4	G3/4	600	800	150-190
3484 10502-3488 1340502	24x19-G3/4	G3/4	600	900	150-190
3484 10602-3488 1340602	24x19-G3/4	G3/4	600	900	150-190
3484 10702-3488 1340702	24x19-G3/4	G3/4	600	1000	150-190
3484 10802-3488 1340802	24x19-G3/4	G3/4	600	1000	150-190
3484 10902-3488 1340902	24x19-G3/4	G3/4	600	1100	150-190
3484 11002-3488 1341002	24x19-G3/4	G3/4	600	1100	150-190
3484 11102-3488 1341102	24x19-G3/4	G3/4	600	1200	150-190
3484 10303-3488 1340303	24x19-G3/4	G3/4	600	800	150-190
3484 10403-3488 1340403	24x19-G3/4	G3/4	600	900	150-190
3484 10503-3488 1340503	24x19-G3/4	G3/4	600	900	150-190
3484 10603-3488 1340603	24x19-G3/4	G3/4	600	1000	150-190
3484 10703-3488 1340703	24x19-G3/4	G3/4	600	1000	150-190
3484 10803-3488 1340803	24x19-G3/4	G3/4	600	1100	150-190
3484 10903-3488 1340903	24x19-G3/4	G3/4	600	1100	150-190
3484 11003-3488 1341003	24x19-G3/4	G3/4	600	1200	150-190

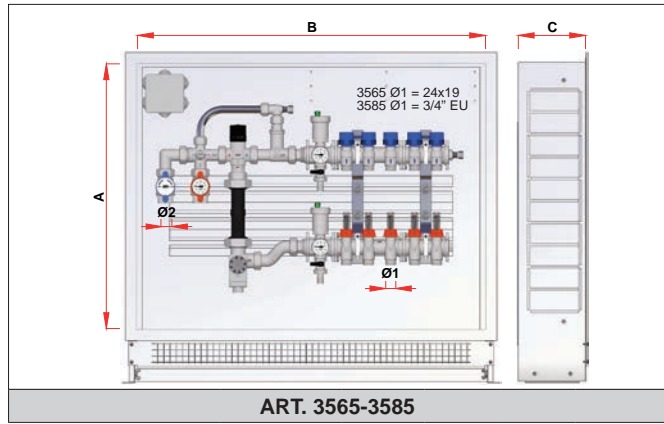


ART. 3483-3487

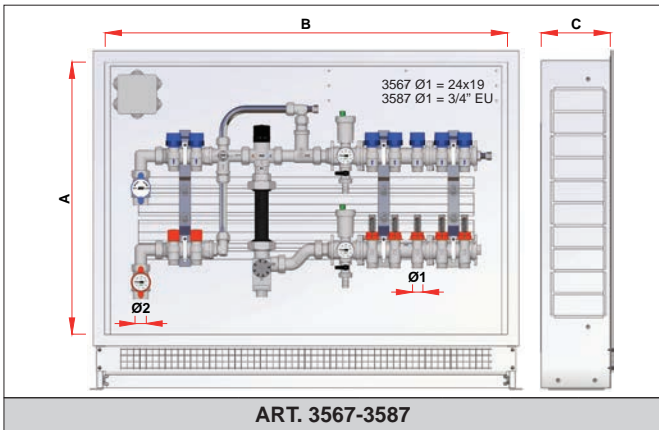
CODE	Ø1	Ø2	A	B	C
3483 10302-3487 1340302	24x19-G3/4	G3/4	432	694	121
3483 10402-3487 1340402	24x19-G3/4	G3/4	432	744	121
3483 10502-3487 1340502	24x19-G3/4	G3/4	432	798	121
3483 10602-3487 1340602	24x19-G3/4	G3/4	432	848	121
3483 10702-3487 1340702	24x19-G3/4	G3/4	432	898	121
3483 10802-3487 1340802	24x19-G3/4	G3/4	432	948	121
3483 10902-3487 1340902	24x19-G3/4	G3/4	432	1002	121
3483 11002-3487 1341002	24x19-G3/4	G3/4	432	1052	121
3483 11102-3487 1341102	24x19-G3/4	G3/4	432	1102	121
3483 10303-3487 1340303	24x19-G3/4	G3/4	432	744	121
3483 10403-3487 1340403	24x19-G3/4	G3/4	432	794	121
3483 10503-3487 1340503	24x19-G3/4	G3/4	432	848	121
3483 10603-3487 1340603	24x19-G3/4	G3/4	432	898	121
3483 10703-3487 1340703	24x19-G3/4	G3/4	432	948	121
3483 10803-3487 1340803	24x19-G3/4	G3/4	432	998	121
3483 10903-3487 1340903	24x19-G3/4	G3/4	432	1052	121
3483 11003-3487 1341003	24x19-G3/4	G3/4	432	1102	121



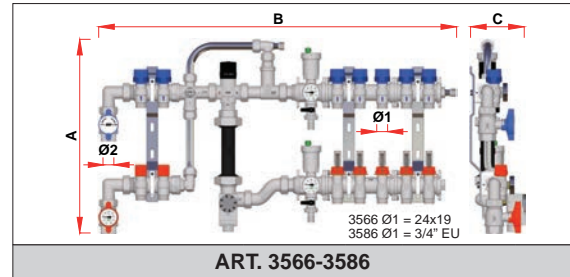
CODE	Ø1	Ø2	A	B	C
3564 103-3584 13403	24x19-G3/4	G3/4	428	591	121
3564 104-3584 13404	24x19-G3/4	G3/4	428	641	121
3564 105-3584 13405	24x19-G3/4	G3/4	428	695	121
3564 106-3584 13406	24x19-G3/4	G3/4	428	745	121
3564 107-3584 13407	24x19-G3/4	G3/4	428	795	121
3564 108-3584 13408	24x19-G3/4	G3/4	428	845	121
3564 109-3584 13409	24x19-G3/4	G3/4	428	899	121
3564 110-3584 13410	24x19-G3/4	G3/4	428	949	121
3564 111-3584 13411	24x19-G3/4	G3/4	428	999	121
3564 112-3584 13412	24x19-G3/4	G3/4	428	1049	121



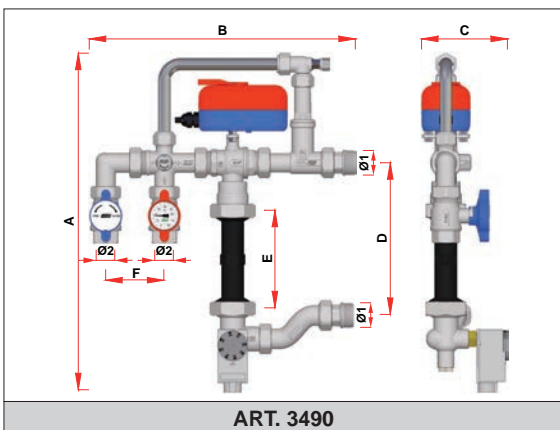
CODE	Ø1	Ø2	A	B	C
3565 103-3585 13403	24x19-G3/4	G3/4	600	700	150-190
3565 104-3585 13404	24x19-G3/4	G3/4	600	700	150-190
3565 105-3585 13405	24x19-G3/4	G3/4	600	800	150-190
3565 106-3585 13406	24x19-G3/4	G3/4	600	800	150-190
3565 107-3585 13407	24x19-G3/4	G3/4	600	900	150-190
3565 108-3585 13408	24x19-G3/4	G3/4	600	900	150-190
3565 109-3585 13409	24x19-G3/4	G3/4	600	1000	150-190
3565 110-3585 13410	24x19-G3/4	G3/4	600	1000	150-190
3565 111-3585 13411	24x19-G3/4	G3/4	600	1100	150-190
3565 112-3585 13412	24x19-G3/4	G3/4	600	1100	150-190



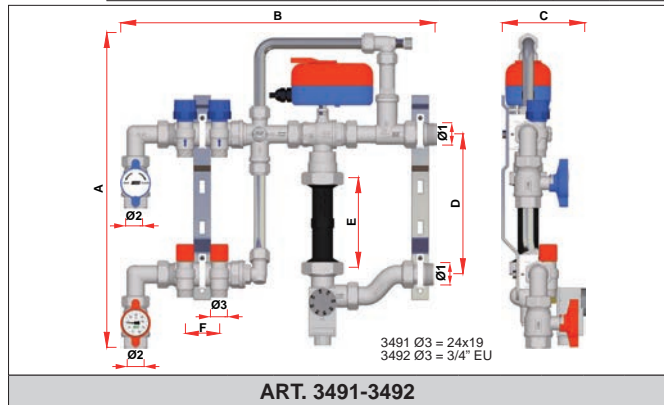
CODE	Ø1	Ø2	A	B	C
3567 10302-3587 1340302	24x19-G3/4	G3/4	600	800	150-190
3567 10402-3587 1340402	24x19-G3/4	G3/4	600	800	150-190
3567 10502-3587 1340502	24x19-G3/4	G3/4	600	900	150-190
3567 10602-3587 1340602	24x19-G3/4	G3/4	600	900	150-190
3567 10702-3587 1340702	24x19-G3/4	G3/4	600	1000	150-190
3567 10802-3587 1340802	24x19-G3/4	G3/4	600	1000	150-190
3567 10902-3587 1340902	24x19-G3/4	G3/4	600	1100	150-190
3567 11002-3587 1341002	24x19-G3/4	G3/4	600	1100	150-190
3567 11102-3587 1341102	24x19-G3/4	G3/4	600	1200	150-190
3567 10303-3587 1340303	24x19-G3/4	G3/4	600	800	150-190
3567 10403-3587 1340403	24x19-G3/4	G3/4	600	900	150-190
3567 10503-3587 1340503	24x19-G3/4	G3/4	600	900	150-190
3567 10603-3587 1340603	24x19-G3/4	G3/4	600	1000	150-190
3567 10703-3587 1340703	24x19-G3/4	G3/4	600	1000	150-190
3567 10803-3587 1340803	24x19-G3/4	G3/4	600	1100	150-190
3567 10903-3587 1340903	24x19-G3/4	G3/4	600	1100	150-190
3567 11003-3587 1341003	24x19-G3/4	G3/4	600	1200	150-190



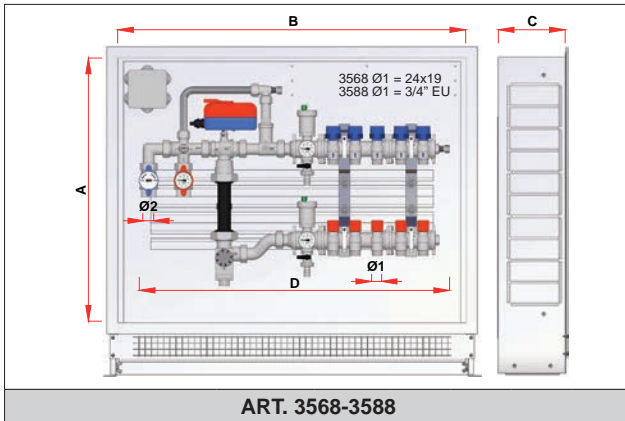
CODE	Ø1	Ø2	A	B	C
3566 10302-3586 1340302	24x19-G3/4	G3/4	432	694	121
3566 10402-3586 1340402	24x19-G3/4	G3/4	432	744	121
3566 10502-3586 1340502	24x19-G3/4	G3/4	432	798	121
3566 10602-3586 1340602	24x19-G3/4	G3/4	432	848	121
3566 10702-3586 1340702	24x19-G3/4	G3/4	432	898	121
3566 10802-3586 1340802	24x19-G3/4	G3/4	432	948	121
3566 10902-3586 1340902	24x19-G3/4	G3/4	432	1002	121
3566 11002-3586 1341002	24x19-G3/4	G3/4	432	1052	121
3566 11102-3586 1341102	24x19-G3/4	G3/4	432	1102	121
3566 10303-3586 1340303	24x19-G3/4	G3/4	432	744	121
3566 10403-3586 1340403	24x19-G3/4	G3/4	432	794	121
3566 10503-3586 1340503	24x19-G3/4	G3/4	432	848	121
3566 10603-3586 1340603	24x19-G3/4	G3/4	432	898	121
3566 10703-3586 1340703	24x19-G3/4	G3/4	432	948	121
3566 10803-3586 1340803	24x19-G3/4	G3/4	432	998	121
3566 10903-3586 1340903	24x19-G3/4	G3/4	432	1052	121
3566 11003-3586 1341003	24x19-G3/4	G3/4	432	1102	121



CODE	Ø1	Ø2	A	B	C	D	E	F
3490 110	G1	G3/4	458	358	115	206	130	79

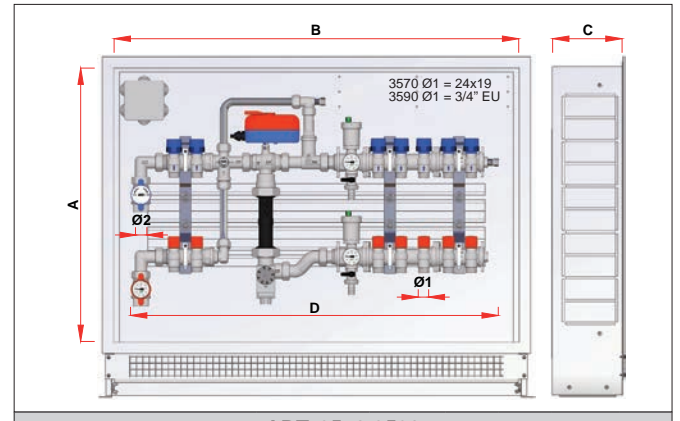


CODE	Ø1	Ø2	Ø3	A	B	C	D	E	F
3491 10210-3492 1340210	G1	G3/4	24x19-G3/4	462	460	120	206	130	50
3491 10310-3492 1340310	G1	G3/4	24x19-G3/4	462	510	120	206	130	50
3491 10410-3492 1340410	G1	G3/4	24x19-G3/4	462	560	120	206	130	50
3491 10510-3492 1340510	G1	G3/4	24x19-G3/4	462	611	120	206	130	50



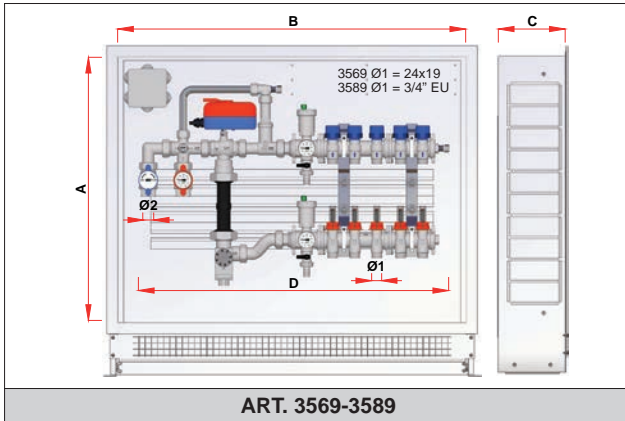
ART. 3568-3588

CODE	Ø1	Ø2	A	B	C	D
3568 105-3588 13405	24x19-G3/4	G3/4	500	800	150	704
3568 106-3588 13406	24x19-G3/4	G3/4	500	800	150	754
3568 107-3588 13407	24x19-G3/4	G3/4	500	900	150	804
3568 108-3588 13408	24x19-G3/4	G3/4	500	900	150	854
3568 109-3588 13409	24x19-G3/4	G3/4	500	1000	150	908
3568 110-3588 13410	24x19-G3/4	G3/4	500	1000	150	958
3568 111-3588 13411	24x19-G3/4	G3/4	500	1100	150	1008
3568 112-3588 13412	24x19-G3/4	G3/4	500	1100	150	1058



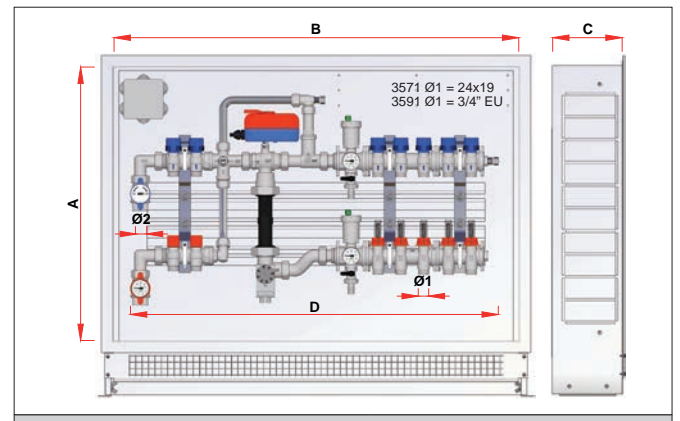
ART. 3570-3590

CODE	Ø1	Ø2	A	B	C	D
3570 10502-3590 1340502	24x19-G3/4	G3/4	600	900	150-190	807
3570 10602-3590 1340602	24x19-G3/4	G3/4	600	900	150-190	857
3570 10702-3590 1340702	24x19-G3/4	G3/4	600	1000	150-190	907
3570 10802-3590 1340802	24x19-G3/4	G3/4	600	1000	150-190	957
3570 10902-3590 1340902	24x19-G3/4	G3/4	600	1100	150-190	1011
3570 11002-3590 1341002	24x19-G3/4	G3/4	600	1100	150-190	1061
3570 11102-3590 1341102	24x19-G3/4	G3/4	600	1200	150-190	1111
3570 10503-3590 1340503	24x19-G3/4	G3/4	600	900	150-190	857
3570 10603-3590 1340603	24x19-G3/4	G3/4	600	1000	150-190	907
3570 10703-3590 1340703	24x19-G3/4	G3/4	600	1000	150-190	957
3570 10803-3590 1340803	24x19-G3/4	G3/4	600	1100	150-190	1007
3570 10903-3590 1340903	24x19-G3/4	G3/4	600	1100	150-190	1061
3570 11003-3590 1341003	24x19-G3/4	G3/4	600	1200	150-190	1111



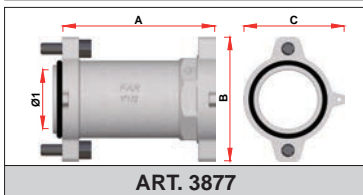
ART. 3569-3589

CODE	Ø1	Ø2	A	B	C	D
3569 105-3589 13405	24x19-G3/4	G3/4	500	800	150	704
3569 106-3589 13406	24x19-G3/4	G3/4	500	800	150	754
3569 107-3589 13407	24x19-G3/4	G3/4	500	900	150	804
3569 108-3589 13408	24x19-G3/4	G3/4	500	900	150	854
3569 109-3589 13409	24x19-G3/4	G3/4	500	1000	150	908
3569 110-3589 13410	24x19-G3/4	G3/4	500	1000	150	958
3569 111-3589 13411	24x19-G3/4	G3/4	500	1100	150	1008
3569 112-3589 13412	24x19-G3/4	G3/4	500	1100	150	1058



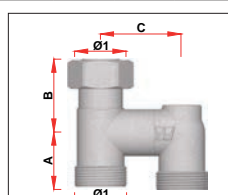
ART. 3571-3591

CODE	Ø1	Ø2	A	B	C	D
3571 10502-3591 1340502	24x19-G3/4	G3/4	600	900	150-190	807
3571 10602-3591 1340602	24x19-G3/4	G3/4	600	900	150-190	857
3571 10702-3591 1340702	24x19-G3/4	G3/4	600	1000	150-190	907
3571 10802-3591 1340802	24x19-G3/4	G3/4	600	1000	150-190	957
3571 10902-3591 1340902	24x19-G3/4	G3/4	600	1100	150-190	1011
3571 11002-3591 1341002	24x19-G3/4	G3/4	600	1100	150-190	1061
3571 11102-3591 1341102	24x19-G3/4	G3/4	600	1200	150-190	1111
3571 10503-3591 1340503	24x19-G3/4	G3/4	600	900	150-190	857
3571 10603-3591 1340603	24x19-G3/4	G3/4	600	1000	150-190	907
3571 10703-3591 1340703	24x19-G3/4	G3/4	600	1000	150-190	957
3571 10803-3591 1340803	24x19-G3/4	G3/4	600	1100	150-190	1007
3571 10903-3591 1340903	24x19-G3/4	G3/4	600	1100	150-190	1061
3571 11003-3591 1341003	24x19-G3/4	G3/4	600	1200	150-190	1111



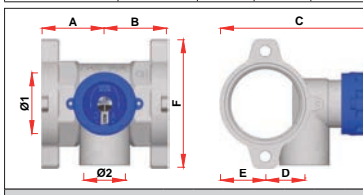
ART. 3877

CODE	Ø1	A	B	C
3877 114	G1 1/4	100	75	59
3877 112	G1 1/2	100	82	66
3877 2	G2	100	94	78



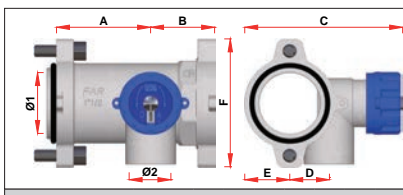
ART. 3424

CODE	Ø1	A	B	C
3424	24x19	26	34	37



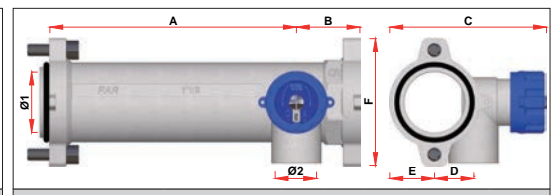
ART. 3874

CODE	Ø1	A	B	C	D	E	F	Ø2
3874 11412	G1 1/4	35	35	92	25	26	75	G1/2
3874 11212	G1 1/2	40	40	99	25	29	82	G1/2
3874 11234	G1 1/2	40	40	99	25	29	82	G3/4
3874 21	G2	49	49	109	27	35	94	G1



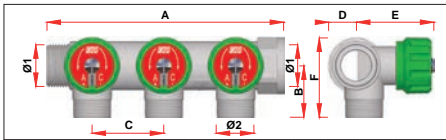
ART. 3874 100

CODE	Ø1	A	B	C	D	E	F	Ø2
3874 11412100	G1 1/4	66	35	92	25	25	75	G1/2
3874 11212100	G1 1/2	60	41	99	25	29	82	G1/2
3874 11234100	G1 1/2	60	41	99	25	29	82	G3/4
3874 21100	G2	49	51	109	27	35	94	G1



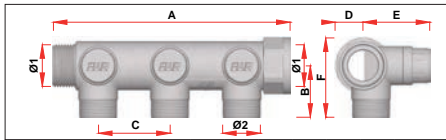
ART. 3874 200

CODE	Ø1	A	B	C	D	E	F	Ø2
3874 11412200	G1 1/4	165	35	92	25	25	75	G1/2
3874 11212200	G1 1/2	159	41	99	25	29	82	G1/2
3874 11234200	G1 1/2	159	41	99	25	29	82	G3/4
3874 21200	G2	149	51	109	27	35	94	G1



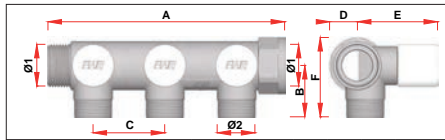
ART. 3825-3850-3856-3821-3822-3824

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3825 34	2	G3/4	104	32	45	18	49	50	24x19
3825 1	2	G1	108	36	45	21	51	56	24x19
3850 34	3	G3/4	149	32	45	18	49	50	24x19
3850 1	3	G1	153	36	45	21	51	56	24x19
3856 34	4	G3/4	194	32	45	18	49	50	24x19
3856 1	4	G1	198	36	45	21	51	56	24x19
3821 3412	2	G3/4	104	30	45	18	49	48	G1/2
3821 112	2	G1	108	33	45	21	51	53	G1/2
3821 134	2	G1	108	36	45	21	51	56	G3/4
3822 3412	3	G3/4	149	30	45	18	49	48	G1/2
3822 112	3	G1	153	33	45	21	51	53	G1/2
3822 134	3	G1	153	36	45	21	51	56	G3/4
3824 3412	4	G3/4	194	30	45	18	49	48	G1/2
3824 112	4	G1	198	33	45	21	51	53	G1/2
3824 134	4	G1	198	36	45	21	51	56	G3/4



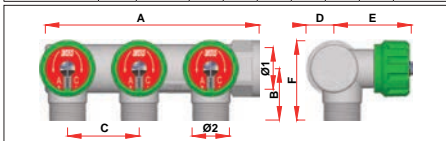
ART. 3875-3900-3906-3860-3870-3873

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3875 34	2	G3/4	104	32	45	18	42	50	24x19
3875 1	2	G1	108	36	45	21	44	56	24x19
3900 34	3	G3/4	149	32	45	18	42	50	24x19
3900 1	3	G1	153	36	45	21	44	56	24x19
3906 34	4	G3/4	194	32	45	18	42	50	24x19
3906 1	4	G1	198	36	45	21	44	56	24x19
3860 3412	2	G3/4	104	30	45	18	42	48	G1/2
3860 112	2	G1	108	33	45	21	44	53	G1/2
3860 134	2	G1	108	36	45	21	44	56	G3/4
3870 3412	3	G3/4	149	30	45	18	42	48	G1/2
3870 112	3	G1	153	33	45	21	44	53	G1/2
3870 134	3	G1	153	36	45	21	44	56	G3/4
3873 3412	4	G3/4	194	30	45	18	42	48	G1/2
3873 112	4	G1	198	33	45	21	44	53	G1/2
3873 134	4	G1	198	36	45	21	44	56	G3/4



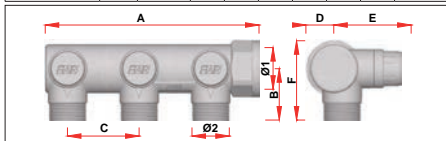
ART. 3878-3879

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3878 3402	2	G3/4	104	32	45	18	50	50	24x19
3878 102	2	G1	108	36	45	21	53	56	24x19
3878 3403	3	G3/4	149	32	45	18	50	50	24x19
3878 103	3	G1	153	36	45	21	53	56	24x19
3878 3404	4	G3/4	194	32	45	18	50	50	24x19
3878 104	4	G1	198	36	45	21	53	56	24x19
3879 341202	2	G3/4	104	30	45	18	50	48	G1/2
3879 11202	2	G1	108	33	45	21	53	53	G1/2
3879 13402	2	G1	108	36	45	21	53	56	G3/4
3879 341203	3	G3/4	149	30	45	18	50	48	G1/2
3879 11203	3	G1	153	33	45	21	53	53	G1/2
3879 13403	3	G1	153	36	45	21	53	56	G3/4
3879 341204	4	G3/4	194	30	45	18	50	48	G1/2
3879 11204	4	G1	198	33	45	21	53	53	G1/2
3879 13404	4	G1	198	36	45	21	53	56	G3/4



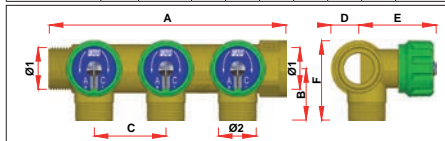
ART. 3826-3851-3818-3819

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3826 34	2	G3/4	90	32	45	18	49	50	24x19
3851 34	3	G3/4	135	32	45	18	49	50	24x19
3818 3412	2	G3/4	90	30	45	18	49	48	G1/2
3819 3412	3	G3/4	135	30	45	18	49	48	G1/2



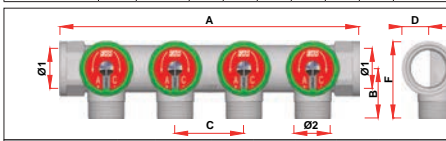
ART. 3876-3901-3859-3869

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3876 34	2	G3/4	90	32	45	18	42	50	24x19
3901 34	3	G3/4	135	32	45	18	42	50	24x19
3859 3412	2	G3/4	90	30	45	18	42	48	G1/2
3869 3412	3	G3/4	135	30	45	18	42	48	G1/2



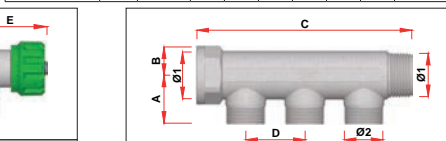
ART. 3834-3835-3837

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3834 34	2	G3/4	104	32	45	18	49	50	24x19
3834 1	2	G1	108	36	45	21	51	56	24x19
3835 34	3	G3/4	149	32	45	18	49	50	24x19
3835 1	3	G1	153	36	45	21	51	56	24x19
3837 34	4	G3/4	194	32	45	18	49	50	24x19
3837 1	4	G1	198	36	45	21	51	56	24x19



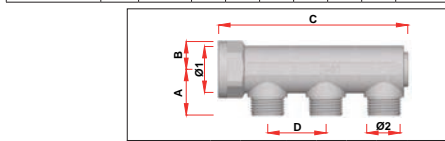
ART. 3855-3823

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3855 34	4	G3/4	196	32	45	18	49	50	24x19
3823 3412	4	G3/4	196	30	45	18	49	48	G1/2



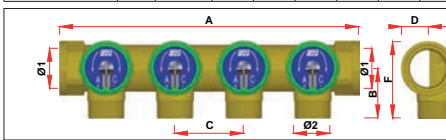
ART. 3300-3350-3400

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3300 34	2	G3/4	30	18	96	36	24	19	24x19
3300 1	2	G1	33	21	98	36	24	19	24x19
3350 34	3	G3/4	30	18	132	36	24	19	24x19
3350 1	3	G1	33	21	134	36	24	19	24x19
3400 34	4	G3/4	30	18	168	36	24	19	24x19
3400 1	4	G1	33	21	170	36	24	19	24x19



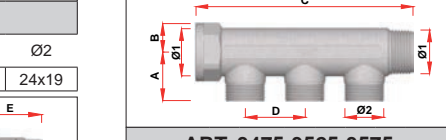
ART. 3175-3225-3275

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3175 34	2	G3/4	29	18	82	36	24	19	G1/2
3175 1	2	G1	32	21	83	36	24	19	G1/2
3225 34	3	G3/4	29	18	118	36	24	19	G1/2
3225 1	3	G1	32	21	119	36	24	19	G1/2
3275 34	4	G3/4	29	18	154	36	24	19	G1/2
3275 1	4	G1	32	21	155	36	24	19	G1/2



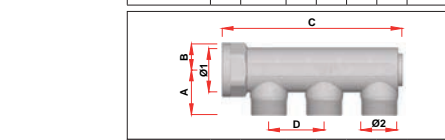
ART. 3836

CODE	VIE	Ø1	A	B	C	D	E	F	Ø2
3836 34	4	G3/4	196	32	45	18	49	50	24x19



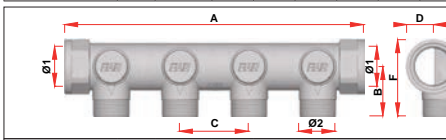
ART. 3475-3525-3575

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3475 34	2	G3/4	29	18	90	36	24	19	G1/2
3475 1	2	G1	32	21	95	36	24	19	G1/2
3525 34	3	G3/4	29	18	126	36	24	19	G1/2
3525 1	3	G1	32	21	131	36	24	19	G1/2
3575 34	4	G3/4	29	18	162	36	24	19	G1/2
3575 1	4	G1	32	21	167	36	24	19	G1/2



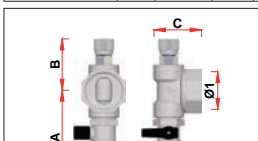
ART. 3000-3050-3100

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3000 34	2	G3/4	30	18	82	36	24	19	24x19
3000 1	2	G1	33	21	83	36	24	19	24x19
3050 34	3	G3/4	30	18	118	36	24	19	24x19
3050 1	3	G1	33	21	119	36	24	19	24x19
3100 34	4	G3/4	30	18	154	36	24	19	24x19
3100 1	4	G1	33	21	155	36	24	19	24x19



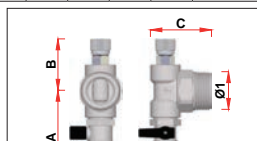
ART. 3905-3872

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3905 34	4	G3/4	196	32	45	18	42	50	24x19
3872 3412	4	G3/4	196	30	45	18	42	48	G1/2



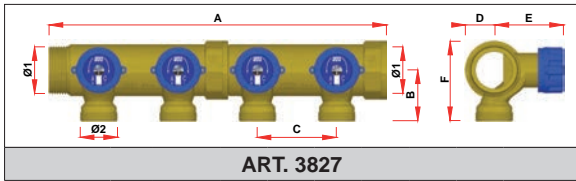
ART. 4070M

CODE	Ø1	A	B	C
4070 M3438	G3/4	80	45	40
4070 M138	G1	80	47	41
4070 M11438	G1 1/4	86	50	42
4070 M11238	G1 1/2	91	56	43



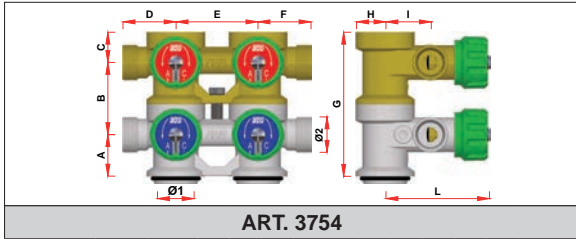
ART. 4071M

CODE	Ø1	A	B	C
4071 M3438	G3/4	80	45	51
4071 M138	G1	80	47	53
4071 M11438	G1 1/4	86	50	57
4071 M11238	G1 1/2	86	90	59



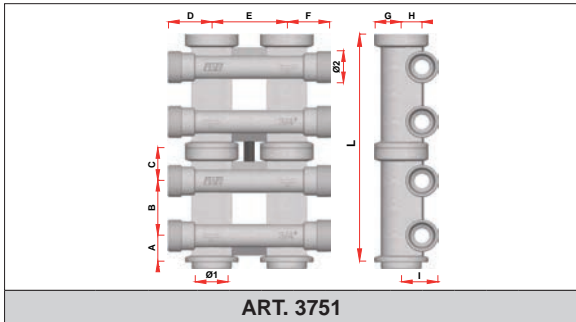
ART. 3827

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3827 11402	2	G1 1/4	158	45	70	26	61	70	M33x1,5
3827 11403	3	G1 1/4	228	45	70	26	61	70	M33x1,5
3827 11404	4	G1 1/4	300	45	70	26	61	70	M33x1,5
3827 11405	5	G1 1/4	370	45	70	26	61	70	M33x1,5
3827 11406	6	G1 1/4	440	45	70	26	61	70	M33x1,5
3827 11407	7	G1 1/4	512	45	70	26	61	70	M33x1,5
3827 11408	8	G1 1/4	582	45	70	26	61	70	M33x1,5
3827 11409	9	G1 1/4	652	45	70	26	61	70	M33x1,5
3827 11410	10	G1 1/4	724	45	70	26	61	70	M33x1,5



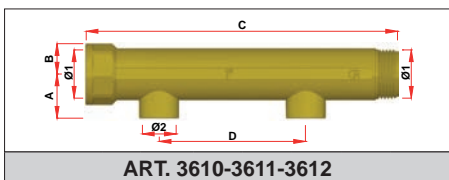
ART. 3754

CODE	PORTS	Ø1	A	B	C	D	E	F	G	H	I	L	Ø2
3754 3404	4	G3/4	28	49	20	36	55	36	97	20	30	70	24x19
3754 3406	6	G3/4	28	49	20	36	55	36	145	20	30	70	24x19
3754 3408	8	G3/4	28	49	20	36	55	36	194	20	30	70	24x19
3754 3410	10	G3/4	28	49	20	36	55	36	212	20	30	70	24x19
3754 3412	12	G3/4	28	49	20	36	55	36	290	20	30	70	24x19



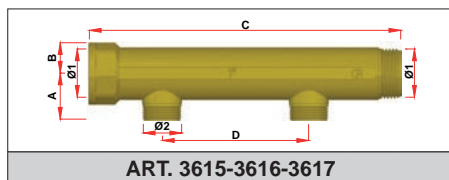
ART. 3751

CODE	PORTS	Ø1	A	B	C	D	E	F	G	H	I	L	Ø2
3751 3404	4+4	G3/4	20	40	24	32	55	32	20	15	27	167	24x19
3751 3406	6+6	G3/4	20	40	24	32	55	32	20	15	27	251	24x19
3751 3408	8+8	G3/4	20	40	24	32	55	32	20	15	27	335	24x19
3751 3410	10+10	G3/4	20	40	24	32	55	32	20	15	27	419	24x19
3751 104	4+4	G1	20	40	25	35	55	32	23	15	27	169	24x19
3751 106	6+6	G1	20	40	25	35	55	32	23	15	27	253	24x19
3751 180	8+8	G1	20	40	25	35	55	32	23	15	27	337	24x19
3751 110	10+10	G1	20	40	25	35	55	32	23	15	27	422	24x19



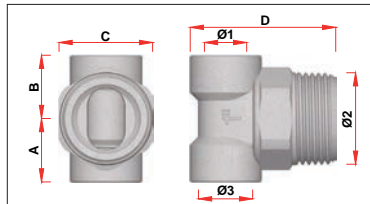
ART. 3610-3611-3612

CODE	PORTS	Ø1	A	B	C	D	Ø2
3610 112	1	G1	31	21	113	-	G1/2
3611 112	2	G1	31	21	213	100	G1/2
3611 11412	2	G1 1/4	35	26	215	100	G1/2
3611 11434	2	G1 1/4	34	26	215	100	G3/4
3611 11234	2	G1 1/2	40	29	217	100	G3/4
3611 1121	2	G1 1/2	40	29	217	100	G1
3611 234	2	G2	47	35	223	100	G3/4
3611 21	2	G2	47	35	223	100	G1
3612 112	3	G1	31	21	313	100	G1/2
3612 11412	3	G1 1/4	35	26	315	100	G1/2
3612 11434	3	G1 1/4	34	26	315	100	G3/4
3612 11234	3	G1 1/2	40	29	317	100	G3/4
3612 1121	3	G1 1/2	40	29	317	100	G1
3612 234	3	G2	47	35	323	100	G3/4
3612 21	3	G2	47	35	323	100	G1



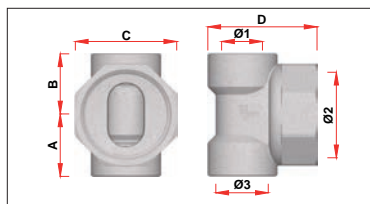
ART. 3615-3616-3617

CODE	PORTS	Ø1	A	B	C	D	Ø2
3615 134	1	G1	32	21	113	--	G3/4
3616 112	2	G1	32	21	213	100	G1/2
3616 134	2	G1	32	21	213	100	G3/4
3616 11434	2	G1 1/4	36	26	215	100	G3/4
3616 11412	2	G1 1/4	42	26	215	100	G1
3616 1121	2	G1 1/2	46	29	217	100	G1
3616 21	2	G2	51	35	223	100	G1
3617 112	3	G1	32	21	313	100	G1/2
3617 134	3	G1	32	21	313	100	G3/4
3617 11434	3	G1 1/4	36	26	315	100	G3/4
3617 114	3	G1 1/4	42	26	315	100	G1
3617 1121	3	G1 1/2	46	29	317	100	G1
3617 21	3	G2	51	35	323	100	G1



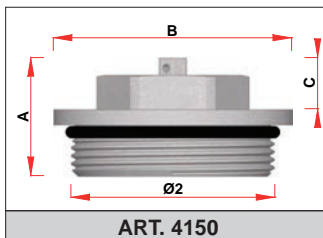
ART. 4061

CODE	Ø1	Ø2	Ø3	A	B	C	D
4061 3438	G3/8	G3/4	G1/2	22	22	27	51
4061 3412	G1/2	G3/4	G1/2	22	22	27	51
4061 138	G3/8	G1	G1/2	23	23	34	53
4061 112	G1/2	G1	G1/2	23	23	34	53
4061 11438	G3/8	G1 1/4	G1/2	28	28	42	57
4061 11412	G1/2	G1 1/4	G1/2	28	28	42	57
4061 11238	G3/8	G1 1/2	G1/2	32	32	48	59
4061 11212	G1/2	G1 1/2	G1/2	32	32	48	59



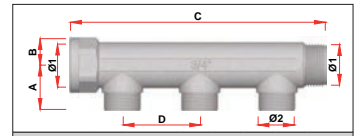
ART. 4060

CODE	Ø1	Ø2	Ø3	A	B	C	D
4060 3438	G3/8	G3/4	G1/2	23	23	32	39
4060 3412	G1/2	G3/4	G1/2	21	21	32	39
4060 138	G3/8	G1	G1/2	23	23	38	41
4060 112	G1/2	G1	G1/2	23	23	38	41
4060 11438	G3/8	G1 1/4	G1/2	28	28	48	42
4060 11412	G1/2	G1 1/4	G1/2	28	28	48	42
4060 11238	G3/8	G1 1/2	G1/2	33	33	54	43
4060 11212	G1/2	G1 1/2	G1/2	33	33	54	43



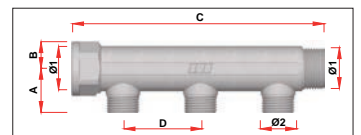
ART. 4150

CODE	Ø1	A	B	C
4150 34	G3/4	21	33	9
4150 1	G1	22	40	9
4150 114	G1 1/4	30	50	14
4150 112	G1 1/2	33	57	15
4150 2	G2	35	69	15



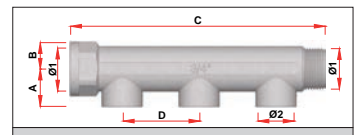
ART. 3401-3402-3403

CODE	PORTS	Ø1	A	B	C	D	Ø2
3401 34	2	G3/4	29	18	116	50	24x19
3401 1	2	G1	32	21	116	50	24x19
3401 114	2	G1 1/4	38	26	119	50	24x19
3402 34	3	G3/4	29	18	166	50	24x19
3402 1	3	G1	32	21	166	50	24x19
3402 114	3	G1 1/4	38	26	169	50	24x19
3403 34	4	G3/4	29	18	216	50	24x19
3403 1	4	G1	32	21	216	50	24x19
3403 114	4	G1 1/4	38	26	219	50	24x19



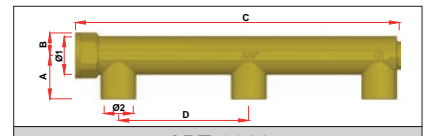
ART. 3625-3675-3725

CODE	PORTS	Ø1	A	B	C	D	Ø2
3625 3412	2	G3/4	30	18	113	50	G1/2
3625 112	2	G1	32	21	113	50	G1/2
3625 134	2	G1	32	21	116	50	G3/4
3625 11412	2	G1 1/4	38	26	119	50	G1/2
3625 11434	2	G1 1/4	38	26	119	50	G3/4
3675 3412	3	G3/4	30	18	163	50	G1/2
3675 112	3	G1	32	21	163	50	G1/2
3675 134	3	G1	32	21	166	50	G3/4
3675 11412	3	G1 1/4	38	26	169	50	G1/2
3675 11434	3	G1 1/4	38	26	169	50	G3/4
3725 3412	4	G3/4	30	18	213	50	G1/2
3725 112	4	G1	32	21	213	50	G1/2
3725 134	4	G1	32	21	216	50	G3/4
3725 11412	4	G1 1/4	38	26	219	50	G1/2
3725 11434	4	G1 1/4	38	26	219	50	G3/4



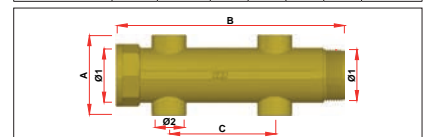
ART. 3600-3650-3700

CODE	PORTS	Ø1	A	B	C	D	Ø2
3600 34	2	G3/4	25	18	116	50	G1/2
3600 1	2	G1	27	21	116	50	G1/2
3600 114	2	G1 1/4	33	26	119	50	G1/2
3650 34	3	G3/4	25	18	166	50	G1/2
3650 1	3	G1	27	21	166	50	G1/2
3650 114	3	G1 1/4	33	26	169	50	G1/2
3700 34	4	G3/4	25	18	216	50	G1/2
3700 1	4	G1	27	21	216	50	G1/2
3700 114	4	G1 1/4	33	26	219	50	G1/2



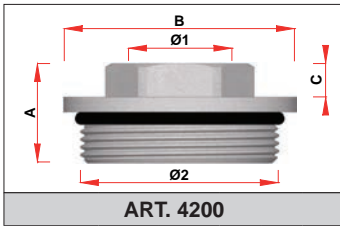
ART. 3614

CODE	PORTS	Ø1	A	B	C	D	Ø2
3614 3412	3	G3/4	35	17	250	100	G1/2



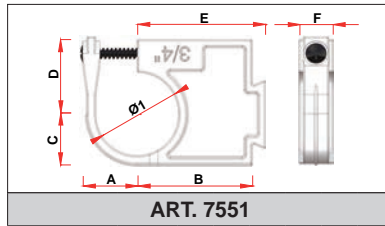
ART. 3618-3619-3620

CODE	PORTS	Ø1	A	B	C	Ø2
3618 11212	2	G1 1/2	75	117	100	G1/2
3618 11234	2	G1 1/2	73	117	100	G3/4
3619 11212	4	G1 1/2	75	217	100	G1/2
3619 11234	4	G1 1/2	73	217	100	G3/4
3620 11212	6	G1 1/2	75	317	100	G1/2
3620 11234	6	G1 1/2	73	317	100	G3/4



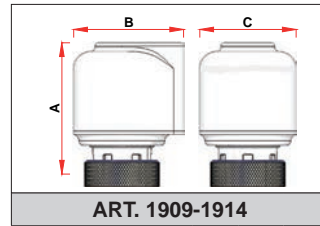
ART. 4200

CODE	Ø1	Ø2	A	B	C
4200 3414	G1/4	G3/4	21	33	8
4200 3438	G3/8	G3/4	21	33	8
4200 3412	G1/2	G3/4	21	33	9
4200 114	G1/4	G1	22	40	8
4200 138	G3/8	G1	22	40	8
4200 112	G1/2	G1	22	40	9
4200 134	G3/4	G1	26	40	13
4200 11412	G1/2	G1 1/4	27	50	9
4200 11434	G3/4	G1 1/4	26	50	10
4200 1141	G1	G1 1/4	26	50	10
4200 1121	G1	G1 1/2	28	57	10
4200 21	G1	G2	30	69	10



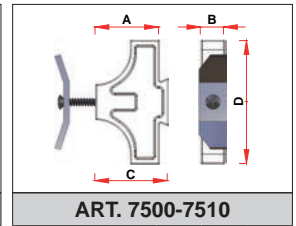
ART. 7551

CODE	Ø1	A	B	C	D	E	F
7551 34A	G3/4	20	42	19	27	47	12
7551 1A	G1	22	45	22	30	50	12
7551 114A	G1 1/4	27	49	26	34	54	12
7551 34B	G3/4	20	22	19	27	27	12
7551 1B	G1	22	26	22	30	31	12
7551 114B	G1 1/4	27	31	26	34	36	12



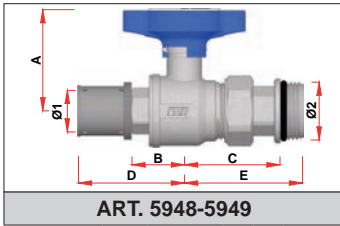
ART. 1909-1914

CODE	A	B	C
1909-1919-1929-1939	59	49	44
1914-1924-1913-1923	59	49	44



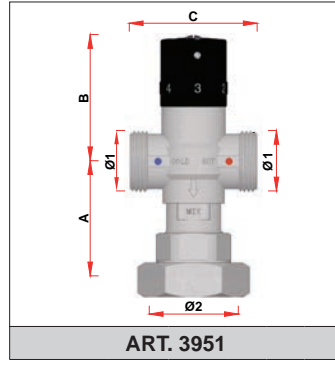
ART. 7500-7510

CODE	A	B	C	D
7500	17	12	22	61
7510	33	12	38	64



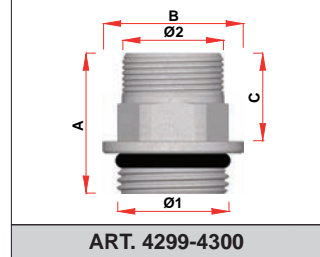
ART. 5948-5949

CODE	Ø1	Ø2	A	B	C	D	E
59482601	26x3	G1	59	34	55	61	68
59482602	26x3	G1	59	34	55	61	68
59483201	32x3	G1	59	34	55	61	68
59483202	32x3	G1	59	34	55	61	68
59492601	26x3	G1	59	34	55	61	68
59492602	26x3	G1	59	34	55	61	68
59493201	32x3	G1	59	34	55	61	68
59493202	32x3	G1	59	34	55	61	68



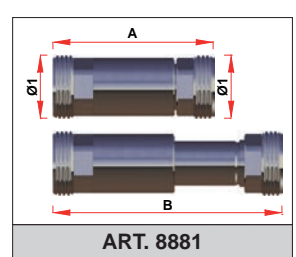
ART. 3951

CODE	Ø1	Ø2	A	B	C
3951 1	G1	G1 1/2	66	68	70
3951 112	G1 1/2	G1 1/2	102	67	104



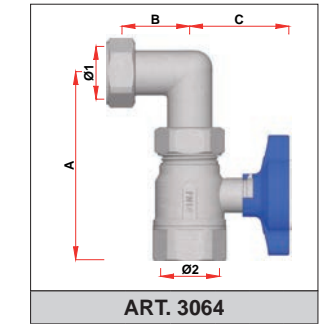
ART. 4299-4300

CODE	Ø1	Ø2	A	B	C
4299-4300 34	G3/4	24x19	33	33	21
4299-4300 1	G1	24x19	34	40	21



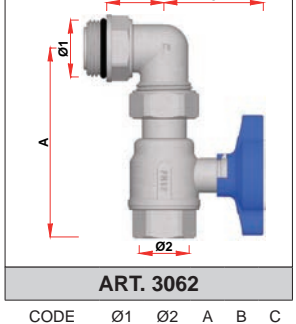
ART. 8881

CODE	Ø1	A	B
8881 3034EU	G3/4	66	95



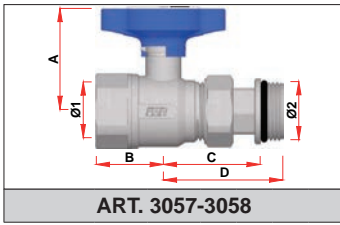
ART. 3064

CODE	Ø1	Ø2	A	B	C
3064 1	G1	G1	110	42	59



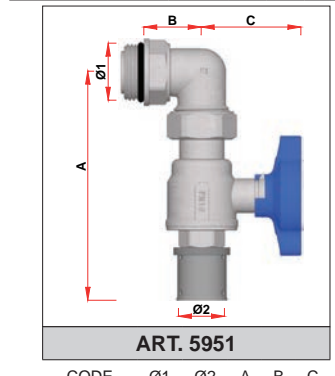
ART. 3062

CODE	Ø1	Ø2	A	B	C
3062 134	G1	G3/4	111	34	59
3062 1	G1	G1	111	34	59



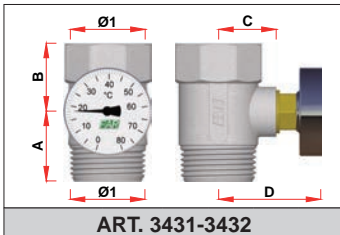
ART. 3057-3058

CODE	Ø1	Ø2	A	B	C	D
3057 1	G1	G1	59	38	55	68
3058 1	G1	G1	59	38	55	68



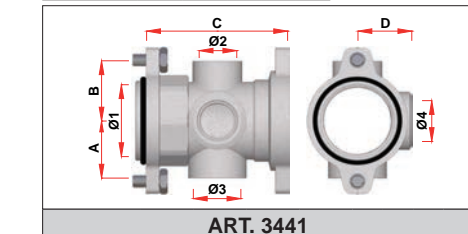
ART. 5951

CODE	Ø1	Ø2	A	B	C
59512601	G1	26x3	133	34	59
59512602	G1	26x3	133	34	59
59513201	G1	26x3	134	34	59
59513202	G1	26x3	134	34	59



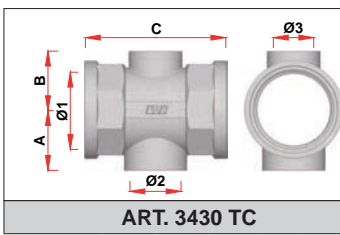
ART. 3431-3432

CODE	Ø1	A	B	C	D
3431	G1	31	30	23	-
3432	G1	31	30	23	46



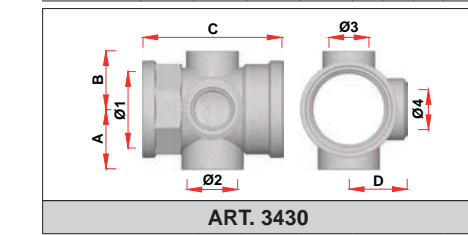
ART. 3441

CODE	Ø1	Ø2	Ø3	Ø4	A	B	C	D
3441 1	G1	G3/8	G1/2	G3/8	26	27	64	25



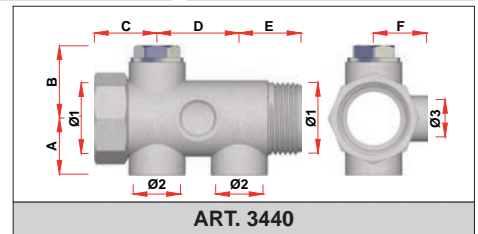
ART. 3430 TC

CODE	Ø1	Ø2	Ø3	A	B	C
3430 34TC	G3/4	G1/2	G3/8	23	23	59
3430 1TC	G1	G1/2	G3/8	26	25	59



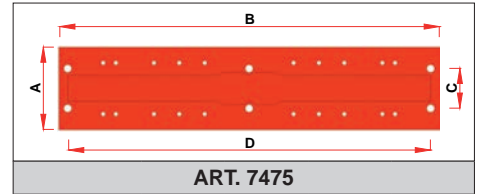
ART. 3430

CODE	Ø1	Ø2	Ø3	Ø4	A	B	C	D
3430 1	G1	G1/2	G3/8	G3/8	26	25	60	25
3430 114	G1 1/4	G1/2	G3/8	G3/8	31	30	65	31



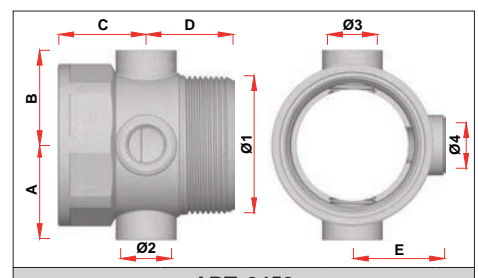
ART. 3440

CODE	Ø1	Ø2	Ø3	A	B	C	D	E	F
3440 1	G1	G1/2	G3/8	26	34	29	38	29	25



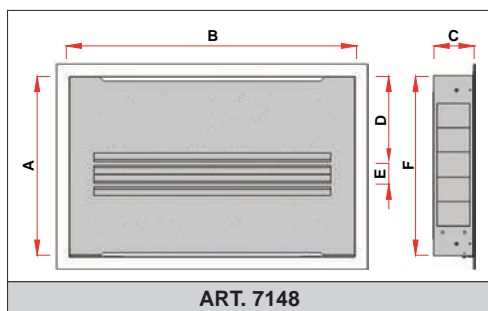
ART. 7475

CODE	A	B	C	D
7475	65	300	31	286



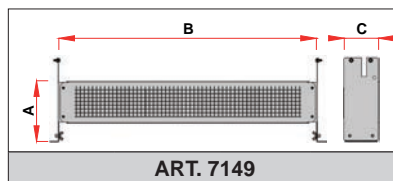
ART. 3452

CODE	Ø1	Ø2	Ø3	Ø4	A	B	C	D	E
3452 2	G2	G1/2	G1/2	G3/8	41	41	38	38	40



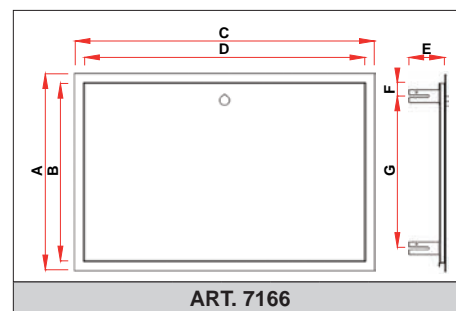
ART. 7148

CODE	A	B	C	D	E	F
7148 40	500	400	110-150	245	60	500
7148 50	500	500	110-150	245	60	500
7148 60	500	600	110-150	245	60	500
7148 80	500	800	110-150	245	60	500
7148 100	500	1000	110-150	245	60	500
7148 120	500	1200	110-150	245	60	500



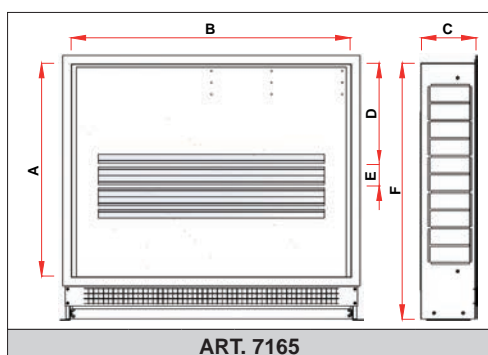
ART. 7149

CODE	A	B	C
7149 40	187-275	400	108
7149 50	187-275	500	108
7149 60	187-275	600	108
7149 80	187-275	800	108
7149 100	187-275	1000	108
7149 120	187-275	1200	108



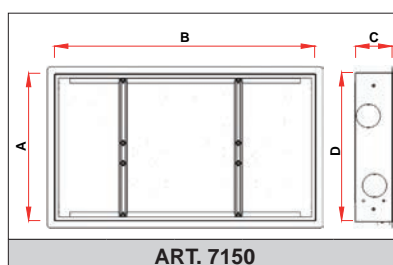
ART. 7166

CODE	A	B	C	D	E	F	G
7166 70	650	605	740	695	101	40	545
7166 80	650	605	840	795	101	40	545
7166 90	650	605	940	895	101	40	545
7166 100	650	605	1040	995	101	40	545
7166 110	650	605	1140	1095	101	40	545
7166 120	650	605	1240	1195	101	40	545



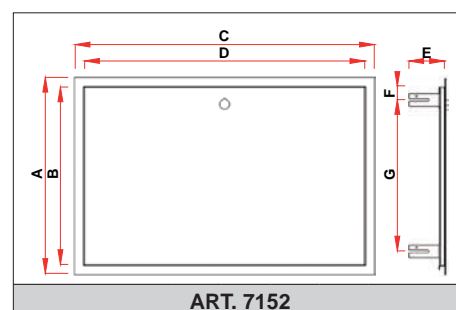
ART. 7165

CODE	A	B	C	D	E	F
7165 70	600	700	150-190	284	60	722-809
7165 80	600	800	150-190	284	60	722-809
7165 90	600	900	150-190	284	60	722-809
7165 100	600	1000	150-190	284	60	722-809
7165 110	600	1100	150-190	284	60	722-809
7165 120	600	1200	150-190	284	60	722-809



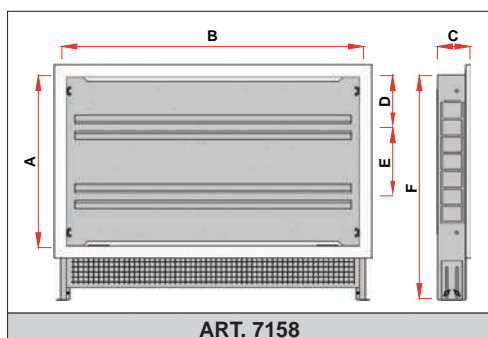
ART. 7150

CODE	A	B	C	D
7150 40	450	400	110-150	454
7150 50	450	500	110-150	454
7150 60	450	600	110-150	454
7150 80	450	800	110-150	454
7150 100	450	1000	110-150	454
7150 120	450	1200	110-150	454



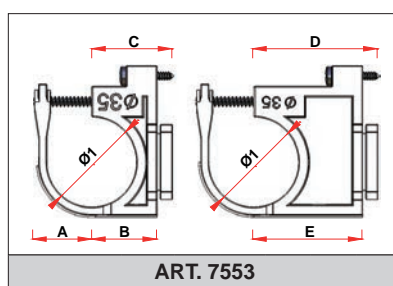
ART. 7152

CODE	A	B	C	D	E	F	G
7152 40	500	455	440	395	101	39	374
7152 60	500	455	640	595	101	39	374
7152 80	500	455	840	795	101	39	374
7152 100	500	455	1040	995	101	39	374
7152 120	500	455	1240	1195	101	39	374



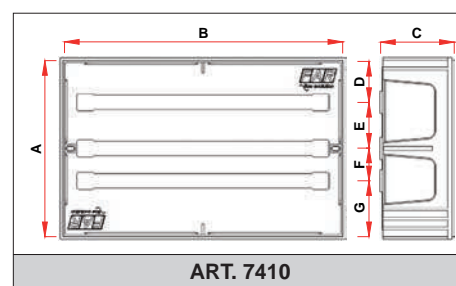
ART. 7158

CODE	A	B	C	D	E	F
7158 60	500	600	80-120	145	200	650-740
7158 85	500	850	80-120	145	200	650-740



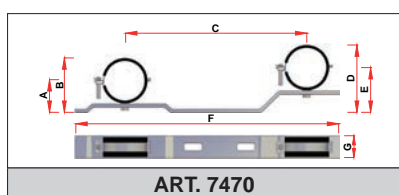
ART. 7553

CODE	Ø1	A	B	C	D	E
7553 1	35	23	26	32	49	43



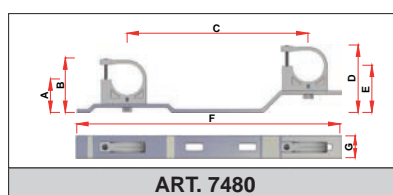
ART. 7410

CODE	A	B	C	D	E	F	G
7410 50	410	500	105	90	110	60	140
7410 70	410	700	105	90	110	60	140
7410 90	410	900	105	90	110	60	140



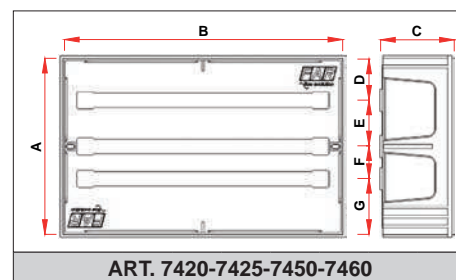
ART. 7470

CODE	A	B	C	D	E	F	G
7470 114	38	64	206-235	79	53	300	25
7470 112	42	71	206-235	86	57	300	25
7470 2	54	92	206-235	108	69	300	25



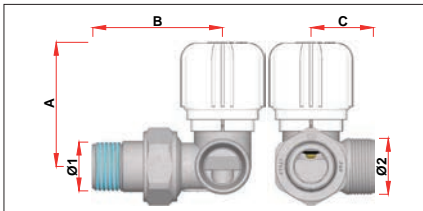
ART. 7480

CODE	A	B	C	D	E	F	G
7480 34	36	55	206-235	70	50	300	25
7480 1	39	61	206-235	76	54	300	25
7480 114	43	70	206-235	85	58	300	25



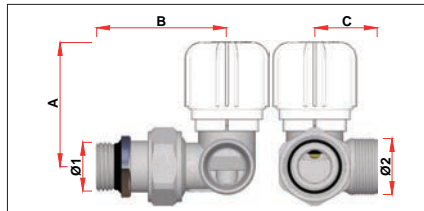
ART. 7420-7425-7450-7460

CODE	A	B	C	D	E	F	G
7420	250	300	95	58	65	45	78
7425	250	400	95	58	65	45	78
7450	250	480	95	58	65	45	78
7460	300	600	95	70	80	35	115



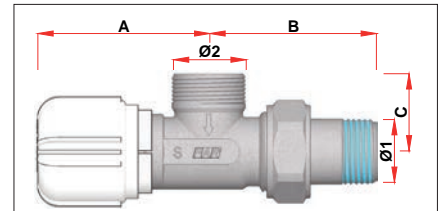
* = with thermostatic head Art.1824
ART. 1616-1617

CODE	Ø1	Ø2	A	B	C
1616 38	G3/8	24x19	53 (101*)	52	26
1616 12	G1/2	24x19	53 (101*)	55	26
1617 38	G3/8	24x19	53 (101*)	52	26
1617 12	G1/2	24x19	53 (101*)	55	26



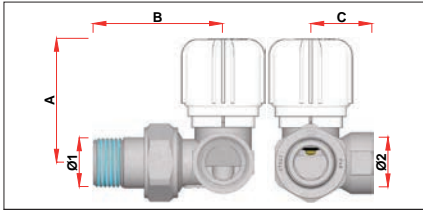
* = with thermostatic head Art.1824
ART. 1636-1637

CODE	Ø1	Ø2	A	B	C
1636 38	G3/8	24x19	53 (101*)	52	26
1636 12	G1/2	24x19	53 (101*)	55	26
1637 38	G3/8	24x19	53 (101*)	52	26
1637 12	G1/2	24x19	53 (101*)	55	26



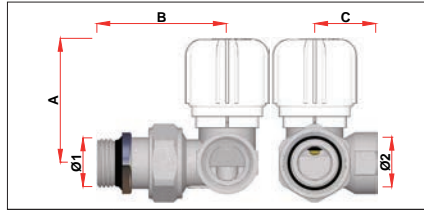
* = with thermostatic head Art.1824
ART. 1615

CODE	Ø1	Ø2	A	B	C
1615 38	G3/8	24x19	55 (103*)	52	25
1615 12	G1/2	24x19	55 (103*)	56	25



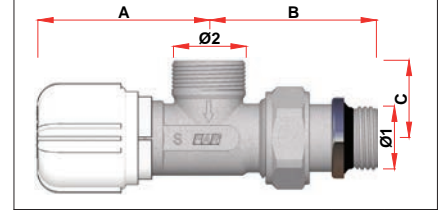
* = with thermostatic head Art.1824
ART. 1626-1627

CODE	Ø1	Ø2	A	B	C
1626 38	G3/8	G3/8	53 (101*)	52	26
1626 12	G1/2	G1/2	53 (101*)	55	26
1627 38	G3/8	G3/8	53 (101*)	52	26
1627 12	G1/2	G1/2	53 (101*)	55	26



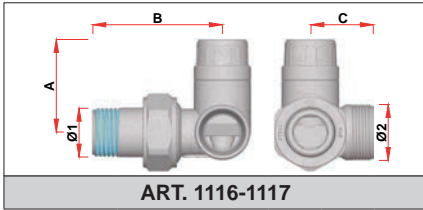
* = with thermostatic head Art.1824
ART. 1646-1647

CODE	Ø1	Ø2	A	B	C
1646 38	G3/8	G3/8	53 (101*)	52	26
1646 12	G1/2	G1/2	53 (101*)	55	26
1647 38	G3/8	G3/8	53 (101*)	52	26
1647 12	G1/2	G1/2	53 (101*)	55	26



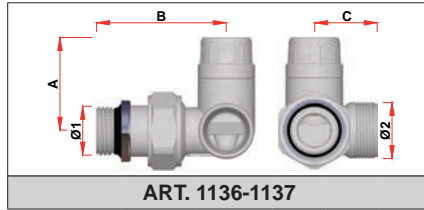
* = with thermostatic head Art.1824
ART. 1635

CODE	Ø1	Ø2	A	B	C
1635 38	G3/8	24x19	55 (103*)	52	25
1635 12	G1/2	24x19	55 (103*)	56	25



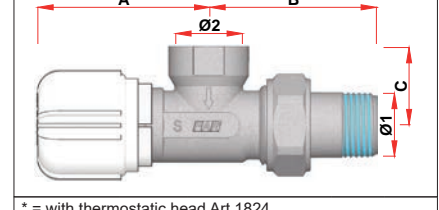
ART. 1116-1117

CODE	Ø1	Ø2	A	B	C
1116 38	G3/8	24x19	40	52	26
1116 12	G1/2	24x19	40	55	26
1117 38	G3/8	24x19	40	52	26
1117 12	G1/2	24x19	40	55	26



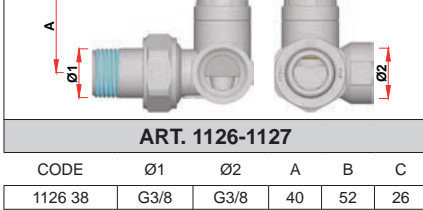
ART. 1136-1137

CODE	Ø1	Ø2	A	B	C
1136 38	G3/8	24x19	40	52	26
1136 12	G1/2	24x19	40	55	26
1137 38	G3/8	24x19	40	52	26
1137 12	G1/2	24x19	40	55	26



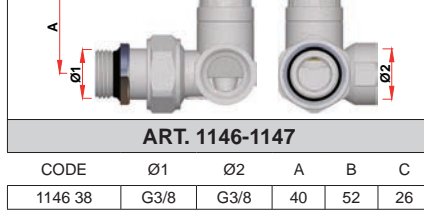
* = with thermostatic head Art.1824
ART. 1625

CODE	Ø1	Ø2	A	B	C
1625 12	G1/2	G1/2	55 (103*)	56	25



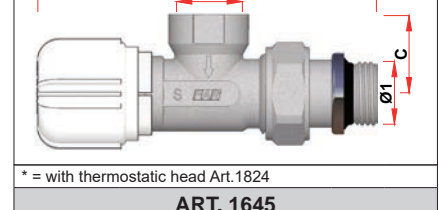
ART. 1126-1127

CODE	Ø1	Ø2	A	B	C
1126 38	G3/8	G3/8	40	52	26
1126 12	G1/2	G1/2	40	55	26
1127 38	G3/8	G3/8	40	52	26
1127 12	G1/2	G1/2	40	55	26



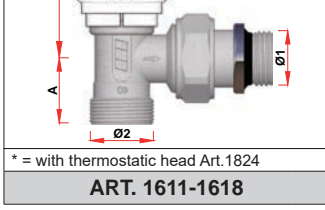
ART. 1146-1147

CODE	Ø1	Ø2	A	B	C
1146 38	G3/8	G3/8	40	52	26
1146 12	G1/2	G1/2	40	55	26
1147 38	G3/8	G3/8	40	52	26
1147 12	G1/2	G1/2	40	55	26



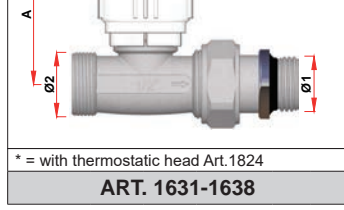
* = with thermostatic head Art.1824
ART. 1645

CODE	Ø1	Ø2	A	B	C
1645 12	G1/2	G1/2	55 (103*)	56	25



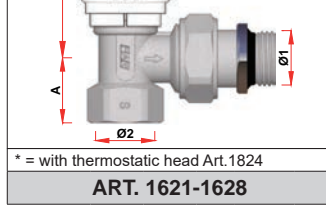
* = with thermostatic head Art.1824
ART. 1611-1618

CODE	Ø1	Ø2	A	B	C
1611 38	G3/8	24x19	24	50 (98*)	49
1611 12	G1/2	24x19	24	50 (98*)	56
1618 38	G3/8	24x19	24	50 (98*)	49
1618 12	G1/2	24x19	24	50 (98*)	56



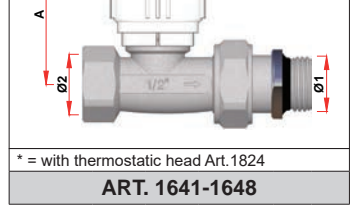
* = with thermostatic head Art.1824
ART. 1631-1638

CODE	Ø1	Ø2	A	B	C
1631 38	G3/8	24x19	52 (100*)	27	50
1631 12	G1/2	24x19	52 (100*)	28	57
1638 38	G3/8	24x19	52 (100*)	27	50
1638 12	G1/2	24x19	52 (100*)	28	57



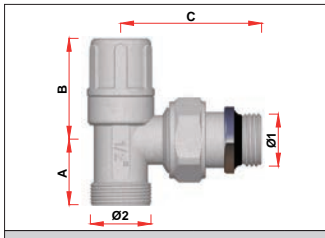
* = with thermostatic head Art.1824
ART. 1621-1628

CODE	Ø1	Ø2	A	B	C
1621 38	G3/8	G3/8	20	50 (98*)	49
1621 12	G1/2	G1/2	24	50 (98*)	56
1628 38	G3/8	G3/8	20	50 (98*)	49
1628 12	G1/2	G1/2	24	50 (98*)	56



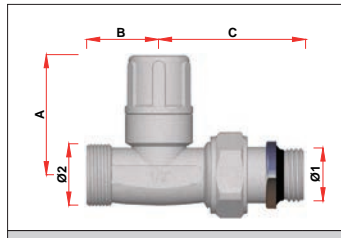
* = with thermostatic head Art.1824
ART. 1641-1648

CODE	Ø1	Ø2	A	B	C
1641 38	G3/8	G3/8	52 (100*)	27	50
1641 12	G1/2	G1/2	52 (100*)	28	57
1648 38	G3/8	G3/8	52 (100*)	27	50
1648 12	G1/2	G1/2	52 (100*)	28	57



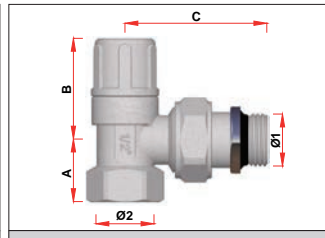
ART. 1111

CODE	Ø1	Ø2	A	B	C
1111 38	G3/8	24x19	25	39	49
1111 12	G1/2	24x19	25	40	56



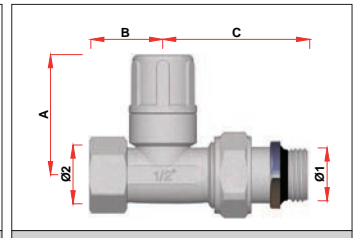
ART. 1311

CODE	Ø1	Ø2	A	B	C
1311 38	G3/8	24x19	44	27	50
1311 12	G1/2	24x19	46	28	57



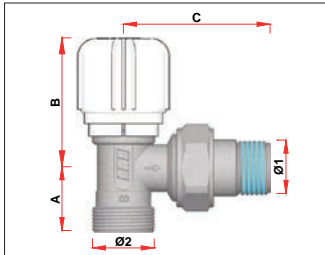
ART. 1211

CODE	Ø1	Ø2	A	B	C
1211 38	G3/8	G3/8	20	39	49
1211 12	G1/2	G1/2	24	40	56



ART. 1411

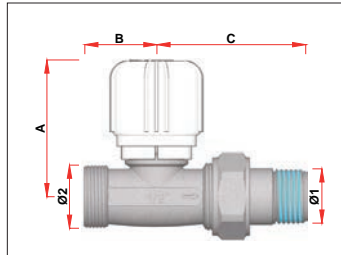
CODE	Ø1	Ø2	A	B	C
1411 38	G3/8	G3/8	44	24	50
1411 12	G1/2	G1/2	46	28	57



* = with thermostatic head Art.1824

ART. 1610

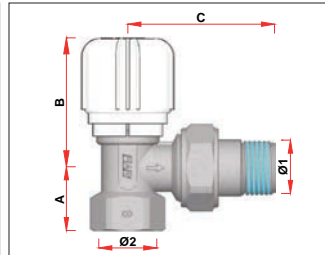
CODE	Ø1	Ø2	A	B	C
1610 38	G3/8	24x19	24	50 (98*)	49
1610 12	G1/2	24x19	24	50 (98*)	56



* = with thermostatic head Art.1824

ART. 1630

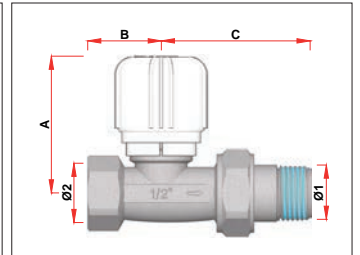
CODE	Ø1	Ø2	A	B	C
1630 38	G3/8	24x19	52 (100*)	27	50
1630 12	G1/2	24x19	52 (100*)	28	57



* = with thermostatic head Art.1824

ART. 1620

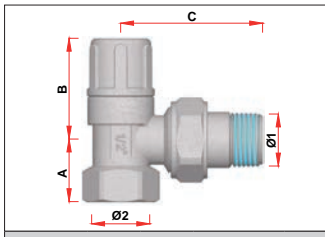
CODE	Ø1	Ø2	A	B	C
1620 38	G3/8	G3/8	20	50 (98*)	49
1620 12	G1/2	G1/2	24	50 (98*)	56
1620 34	G3/4	G3/4	28	52 (100*)	64
1620 1	G1	G1	34	52 (100*)	75



* = with thermostatic head Art.1824

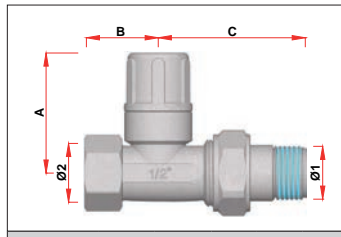
ART. 1640

CODE	Ø1	Ø2	A	B	C
1640 38	G3/8	G3/8	52 (100*)	24	50
1640 12	G1/2	G1/2	52 (100*)	28	57
1640 34	G3/4	G3/4	54 (102*)	32	66
1640 1	G1	G1	54 (102*)	40	68



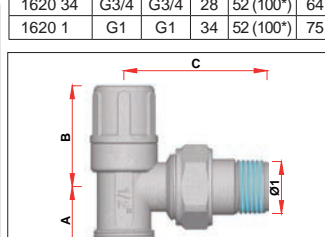
ART. 1200

CODE	Ø1	Ø2	A	B	C
1200 38	G3/8	G3/8	20	39	49
1200 12	G1/2	G1/2	24	40	56
1200 34	G3/4	G3/4	28	47	64
1200 1	G1	G1	34	51	75



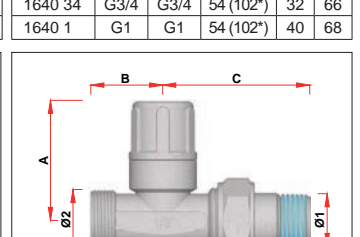
ART. 1400

CODE	Ø1	Ø2	A	B	C
1400 38	G3/8	G3/8	44	24	50
1400 12	G1/2	G1/2	46	28	57
1400 34	G3/4	G3/4	55	32	66
1400 1	G1	G1	61	40	68



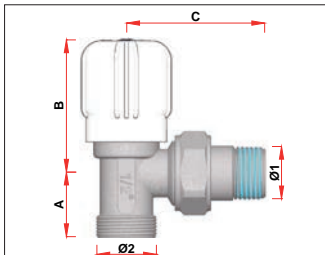
ART. 1100

CODE	Ø1	Ø2	A	B	C
1100 38	G3/8	24x19	25	39	49
1100 12	G1/2	24x19	25	40	56



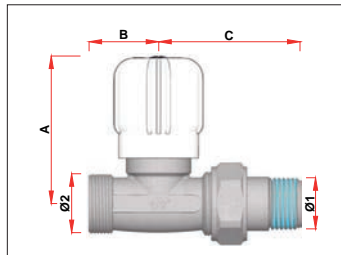
ART. 1300

CODE	Ø1	Ø2	A	B	C
1300 38	G3/8	24x19	44	27	50
1300 12	G1/2	24x19	46	28	57



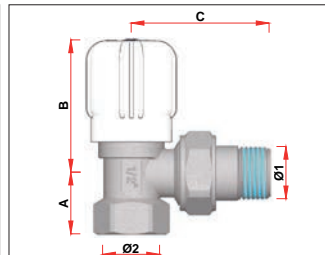
ART. 1050

CODE	Ø1	Ø2	A	B	C
1050 38	G3/8	24x19	25	53	49
1050 12	G1/2	24x19	25	53	56



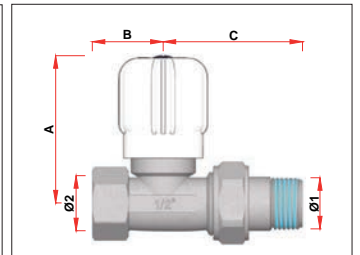
ART. 1250

CODE	Ø1	Ø2	A	B	C
1250 38	G3/8	24x19	58	27	50
1250 12	G1/2	24x19	60	28	57



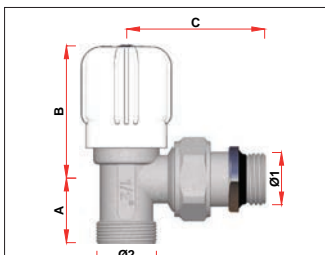
ART. 1150

CODE	Ø1	Ø2	A	B	C
1150 38	G3/8	G3/8	20	53	49
1150 12	G1/2	G1/2	24	53	56
1150 34	G3/4	G3/4	28	57	64
1150 1	G1	G1	34	64	75



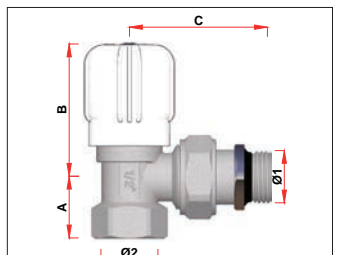
ART. 1350

CODE	Ø1	Ø2	A	B	C
1350 38	G3/8	G3/8	58	24	50
1350 12	G1/2	G1/2	60	28	57
1350 34	G3/4	G3/4	64	32	66
1350 1	G1	G1	73	40	68



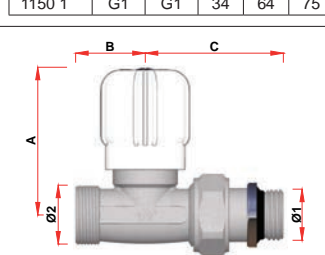
ART. 1051

CODE	Ø1	Ø2	A	B	C
1051 38	G3/8	24x19	25	53	49
1051 12	G1/2	24x19	25	53	56



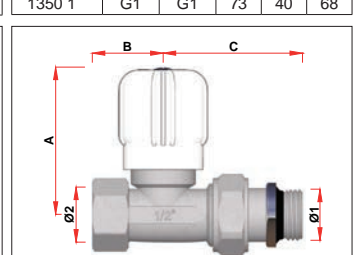
ART. 1151

CODE	Ø1	Ø2	A	B	C
1151 38	G3/8	G3/8	20	53	49
1151 12	G1/2	G1/2	24	53	56



ART. 1251

CODE	Ø1	Ø2	A	B	C
1251 38	G3/8	24x19	58	27	50
1251 12	G1/2	24x19	60	28	57



ART. 1351

CODE	Ø1	Ø2	A	B	C
1351 38	G3/8	G3/8	58	24	50
1351 12	G1/2	G1/2	60	28	57

ART. 1055

CODE	Ø1	Ø2	A	B	C
1055 38	G3/8	24x19	24	44	49
1055 12	G1/2	24x19	24	44	56

ART. 1155

CODE	Ø1	Ø2	A	B	C
1155 38	G3/8	G3/8	20	44	49
1155 12	G1/2	G1/2	24	44	56

ART. 1105

CODE	Ø1	Ø2	A	B	C
1105 38	G3/8	24x19	24	28	49
1105 12	G1/2	24x19	24	28	56

ART. 1215

CODE	Ø1	Ø2	A	B	C
1215 38	G3/8	G3/8	20	28	49
1215 12	G1/2	G1/2	24	28	56

ART. 1305

CODE	Ø1	Ø2	A	B	C
1305 38	G3/8	24x19	33	27	50
1305 12	G1/2	24x19	34	28	57

ART. 1415

CODE	Ø1	Ø2	A	B	C
1415 38	G3/8	G3/8	33	24	50
1415 12	G1/2	G1/2	34	28	57

ART. 1255

CODE	Ø1	Ø2	A	B	C
1255 38	G3/8	24x19	49	27	50
1255 12	G1/2	24x19	50	28	57

ART. 1355

CODE	Ø1	Ø2	A	B	C
1355 38	G3/8	G3/8	49	24	50
1355 12	G1/2	G1/2	50	28	57

* = with thermostatic head Art.1824

ART. 1485

CODE	Ø1	Ø2	A	B	C	D	E	F
1485	G3/4	G3/4EU	55 (103*)	50	42	30	24	30

* = with thermostatic head Art.1824

ART. 1489

CODE	Ø1	Ø2	A	B	C	D	E
1489	G3/4	G3/4EU	51 (99*)	50	39	30	30

* = with thermostatic head Art.1824

ART. 1420-1430

CODE	Ø1	Ø2	A	B	C	D	E	F
1420 12	G1/2	24x19	39	35	46	37	45 (93*)	57
1420 34	G3/4	24x19	39	35	46	37	45 (93*)	57
1420 1	G1	24x19	39	35	48	37	45 (93*)	63
1430 12	G1/2	24x19	39	35	46	37	45 (93*)	57
1430 34	G3/4	24x19	39	35	46	37	45 (93*)	57
1430 1	G1	24x19	39	35	48	37	45 (93*)	63

* = with thermostatic head Art.1824

ART. 1486

CODE	Ø1	Ø2	A	B	C	D	E	F
1486	G3/4	24x19	55 (103*)	50	42	30	24	30

* = with thermostatic head Art.1824

ART. 1490

CODE	Ø1	Ø2	A	B	C	D	E
1490	G3/4	24x19	51 (99*)	50	39	30	30

* = with thermostatic head Art.1824

ART. 1487

CODE	Ø1	Ø2	A	B	C	D	E	F
1487	G1/2	G3/4EU	55 (103*)	50	42	48	24	30

* = with thermostatic head Art.1824

ART. 1491

CODE	Ø1	Ø2	A	B	C	D	E
1491	G1/2	G3/4EU	51 (99*)	50	39	48	30

* = with thermostatic head Art.1824

ART. 1436-1437

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1436-1437	G1/2	24x19	37	53	51 (99*)	35	33	42	26	63

* = with thermostatic head Art.1824

ART. 1488

CODE	Ø1	Ø2	A	B	C	D	E	F
1488	G1/2	24x19	55 (103*)	50	42	48	24	30

* = with thermostatic head Art.1824

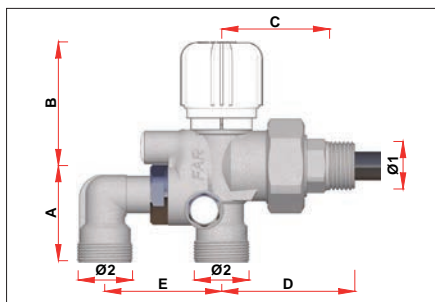
ART. 1492

CODE	Ø1	Ø2	A	B	C	D	E
1492	G1/2	24x19	51 (99*)	50	39	48	30

* = with thermostatic head Art.1824

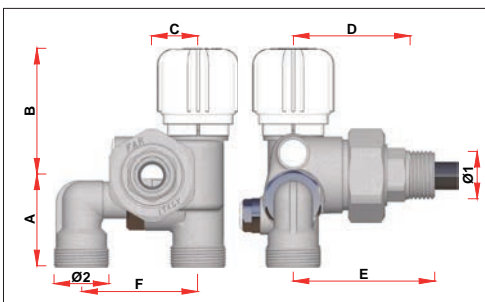
ART. 1433-1432

CODE	Ø1	Ø2	A	B	C	D	E	F	G
1432-1433	G3/4	24x19	37	24	51 (99*)	35	33	26	44



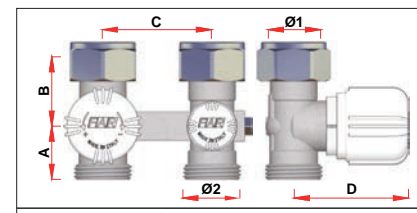
* = with thermostatic head Art.1824
ART. 1425

CODE	Ø1	Ø2	A	B	C	D	E
1425 1250	G1/2	24x19	42	54 (102*)	47	58	40-50
1425 1265	G1/2	24x19	42	54 (102*)	47	58	48-65
1425 3450	G3/4	24x19	42	54 (102*)	48	58	40-50
1425 3465	G3/4	24x19	42	54 (102*)	48	58	48-65
1425 150D	G1	24x19	42	54 (102*)	51	64	40-50
1425 165D	G1	24x19	42	54 (102*)	51	64	48-65
1425 150S	G1	24x19	42	54 (102*)	51	64	40-50
1425 165S	G1	24x19	42	54 (102*)	51	64	48-65



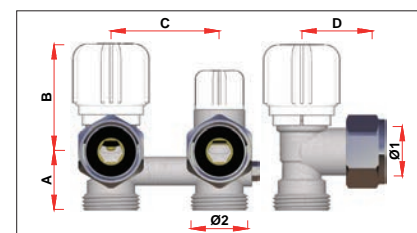
* = with thermostatic head Art.1824
ART. 1428

CODE	Ø1	Ø2	A	B	C	D	E	F
1428 1250	G1/2	24x19	40	55 (103*)	20	51	62	40-50
1428 1265	G1/2	24x19	40	55 (103*)	20	51	62	48-65
1428 3450	G3/4	24x19	40	55 (103*)	20	51	63	40-50
1428 3465	G3/4	24x19	40	55 (103*)	20	51	63	48-65
1428 150D	G1	24x19	40	55 (103*)	20	55	68	40-50
1428 165D	G1	24x19	40	55 (103*)	20	55	68	48-65
1428 150S	G1	24x19	40	55 (103*)	20	55	68	40-50
1428 165S	G1	24x19	40	55 (103*)	20	55	68	48-65



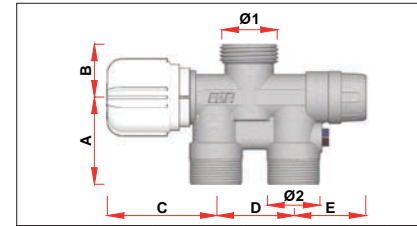
* = with thermostatic head Art.1824
ART. 1483-1484

CODE	Ø1	Ø2	A	B	C	D
1483	G3/4	G3/4	24	33	50	52 (100*)
1484	G3/4	24x19	26	33	50	52 (100*)



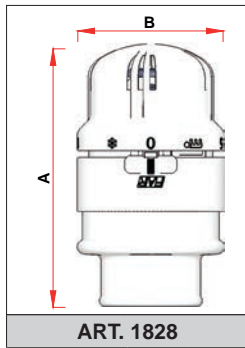
* = with thermostatic head Art.1824
ART. 1481-1482

CODE	Ø1	Ø2	A	B	C	D
1481	G3/4	G3/4	27	50 (98*)	50	33
1482	G3/4	24x19	29	50 (98*)	50	33



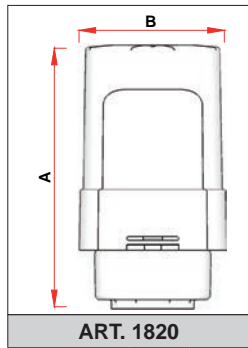
* = with thermostatic head Art.1824
ART. 1431

CODE	Ø1	Ø2	A	B	C	D	E
1431	G3/4	24x19	40	24	50 (98*)	35	33



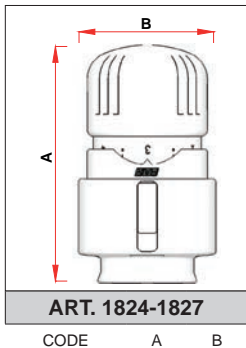
ART. 1828

CODE	A	B
1828	91	51



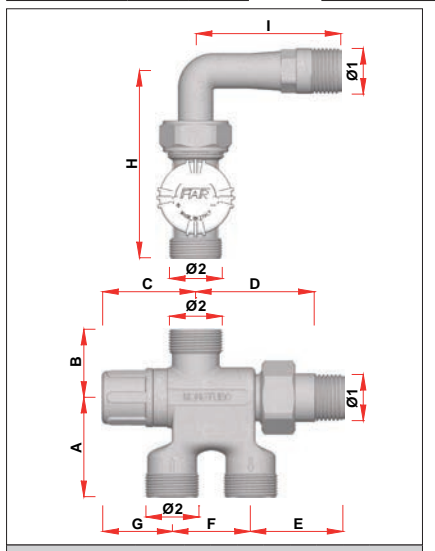
ART. 1820

CODE	A	B
1820	92	51



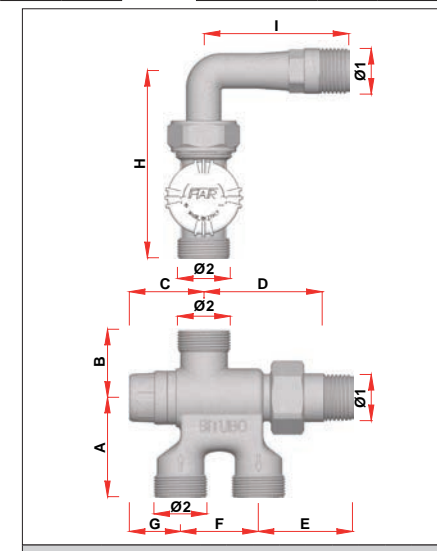
ART. 1824-1827

CODE	A	B
1824	86	48
1827	86	48



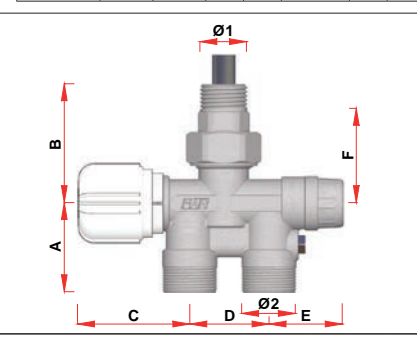
ART. 1440

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H	I
1440 12	G1/2	24x19	45	31	42	53	42	35	31	85	67



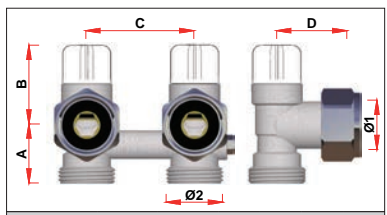
ART. 1457

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H	I
1457 12	G1/2	24x19	45	31	33	54	42	35	23	85	67



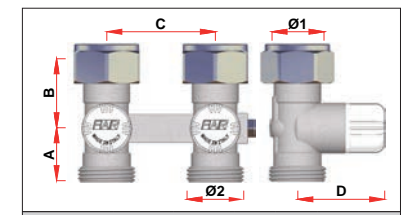
* = with thermostatic head Art.1824
ART. 1435

CODE	Ø1	Ø2	A	B	C	D	E	F
1435	G1/2	24x19	40	53	50 (98*)	35	33	42



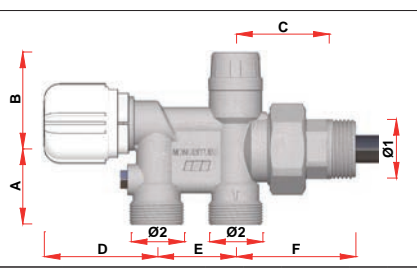
ART. 1421-1422

CODE	Ø1	Ø2	A	B	C	D
1421	G3/4	G3/4	27	37	50	33
1422	G3/4	24x19	29	37	50	33



ART. 1423-1424

CODE	Ø1	Ø2	A	B	C	D
1423	G3/4	G3/4	24	33	50	40
1424	G3/4	24x19	26	33	50	40



* = with thermostatic head Art.1824
ART. 1438

CODE	Ø1	Ø2	A	B	C	D	E	F
1438 12	G1/2	24x19	34	43	41	51 (99*)	35	52
1438 34	G3/4	24x19	34	43	42	51 (99*)	35	54
1438 1	G1	24x19	34	43	44	51 (99*)	35	60

ART. 1442

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1442 12	G1/2	24x19	33	35	39	36	41	29	85	37

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1442 12	G1/2	24x19	33	35	39	36	41	29	85	37

ART. 1455

CODE	Ø1	Ø2	A	B	C	D	E	F
1455 1212	G1/2	24x19	41	21	33	35	31	11
1455 3412	G3/4	24x19	41	21	33	35	32	12

CODE	Ø1	Ø2	A	B	C	D	E	F
1455 1212	G1/2	24x19	41	21	33	35	31	11
1455 3412	G3/4	24x19	41	21	33	35	32	12

ART. 1550

CODE	Ø1	Ø2	A	B	C	D	E	F
1550 1212	G1/2	24x19	44	65	58	64	50	35
1550 3412	G3/4	24x19	44	65	58	65	50	35
1550 3414	G3/4	24x19	44	65	58	65	50	35
1550 114D	G1DX	24x19	44	65	58	65	50	35
1550 114S	G1SX	24x19	44	65	58	65	50	35

CODE	Ø1	Ø2	A	B	C	D	E	F
1550 1212	G1/2	24x19	44	65	58	64	50	35
1550 3412	G3/4	24x19	44	65	58	65	50	35
1550 3414	G3/4	24x19	44	65	58	65	50	35
1550 114D	G1DX	24x19	44	65	58	65	50	35
1550 114S	G1SX	24x19	44	65	58	65	50	35

ART. 1575

CODE	Ø1	Ø2	Ø3	A	B	C	D	E	F	G	H	I
1575 12	G1/2	24x19	26x1,5	45	31	42	53	42	35	31	32	67

CODE	Ø1	Ø2	Ø3	A	B	C	D	E	F	G	H	I
1575 12	G1/2	24x19	26x1,5	45	31	42	53	42	35	31	32	67

ART. 1451

CODE	Ø1	Ø2	A	B	C	D	E
1451 1212	G1/2	24x19	41	43	35	31	77
1451 3412	G3/4	24x19	41	43	35	32	79

CODE	Ø1	Ø2	A	B	C	D	E
1451 1212	G1/2	24x19	41	43	35	31	77
1451 3412	G3/4	24x19	41	43	35	32	79

ART. 1452

CODE	Ø1	Ø2	A	B	C	D	E	F	G
1452 12	G1/2	24x19	41	43	35	39	36	27	36

CODE	Ø1	Ø2	A	B	C	D	E	F	G
1452 12	G1/2	24x19	41	43	35	39	36	27	36

ART. 1456

CODE	Ø1	Ø2	A	B	C	D	E	F
1456 1212	G1/2	24x19	41	21	33	35	30	11

CODE	Ø1	Ø2	A	B	C	D	E	F
1456 1212	G1/2	24x19	41	21	33	35	30	11

ART. 8335-8336

CODE	Ø1	Ø2	Ø3	A	B	C	D
8335 12	42x19	24x19	G1/2	29	26	36	24
8336 12	G1	24x19	G1/2	29	25	36	24

CODE	Ø1	Ø2	Ø3	A	B	C	D
8335 12	42x19	24x19	G1/2	29	26	36	24
8336 12	G1	24x19	G1/2	29	25	36	24

ART. 1463-1473

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1463 12	G1/2	24x19	33	35	39	36	41	29	-	-
1473 12	G1/2	24x19	33	35	39	36	41	29	27	36

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1463 12	G1/2	24x19	33	35	39	36	41	29	-	-
1473 12	G1/2	24x19	33	35	39	36	41	29	27	36

ART. 1585

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1585 12	G1/2	24x19	45	31	55	55	41	35	27	63

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1585 12	G1/2	24x19	45	31	55	55	41	35	27	63

ART. 1590

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1590 12	G1/2	24x19	45	31	55	55	41	35	27	67

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1590 12	G1/2	24x19	45	31	55	55	41	35	27	67

ART. 1600

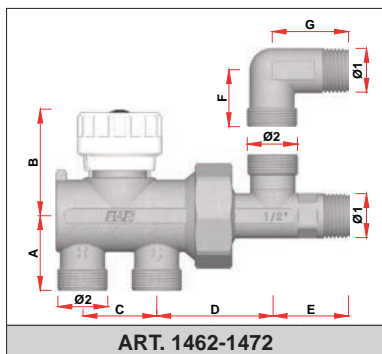
CODE	Ø1	Ø2	Ø3	A	B	C	D	E	F	G
1600	G1/2	24x19	G1/4	46	32	36	50	27	35	69

CODE	Ø1	Ø2	Ø3	A	B	C	D	E	F	G
1600	G1/2	24x19	G1/4	46	32	36	50	27	35	69

ART. 1595

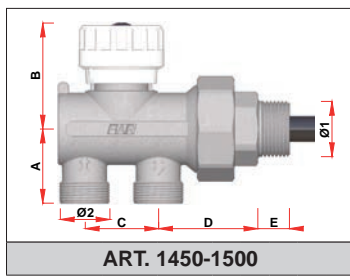
CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1595 12	G1/2	24x19	47	35	30	11	44	44	27	36

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1595 12	G1/2	24x19	47	35	30	11	44	44	27	36



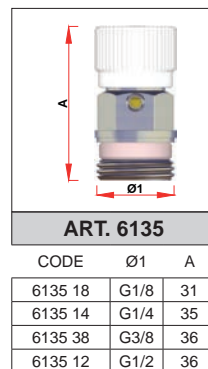
ART. 1462-1472

CODE	Ø1	Ø2	A	B	C	D	E	F	G
1462 12	G1/2	24x19	35	50	35	56	36	-	-
1472 12	G1/2	24x19	35	50	35	56	36	27	36



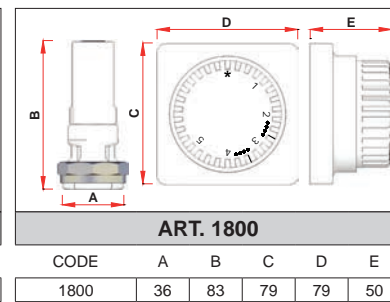
ART. 1450-1500

CODE	Ø1	Ø2	A	B	C	D	E
1450 1212	G1/2	24x19	35	50	35	49	95
1450 3412	G3/4	24x19	35	50	35	49	96
1450 3414	G3/4	24x19	35	50	35	49	96
1450 114D	G1DX	24x19	35	50	35	48	98
1450 114S	G1SX	24x19	35	50	35	48	98
1500 121R	G1/2	24x19	35	50	35	49	95
1500 122R	G1/2	24x19	35	50	35	49	95



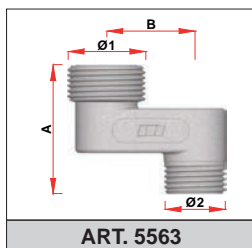
ART. 6135

CODE	Ø1	A
6135 18	G1/8	31
6135 14	G1/4	35
6135 38	G3/8	36
6135 12	G1/2	36



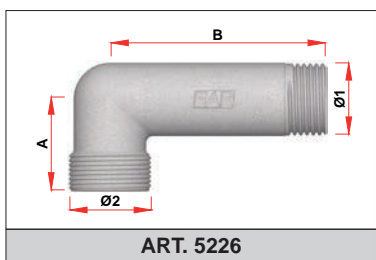
ART. 1800

CODE	A	B	C	D	E
1800	36	83	79	79	50



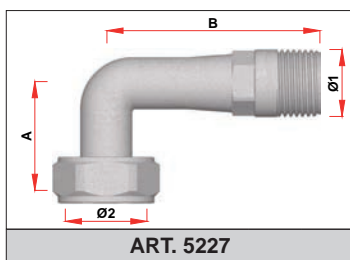
ART. 5563

CODE	Ø1	Ø2	A	B
5563 13412	G3/4	G1/2	44	10
5563 23412	G3/4	G1/2	44	20
5563 33412	G3/4	G1/2	44	30
5563 43412	G3/4	G1/2	44	40
5563 53412	G3/4	G1/2	44	50
5563 63412	G3/4	G1/2	44	60



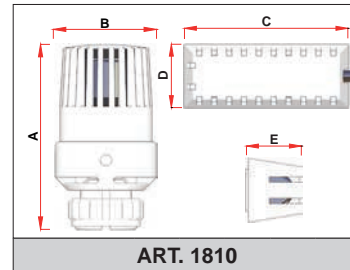
ART. 5226

CODE	Ø1	Ø2	A	B
5226	G1/2	24x19	27	63



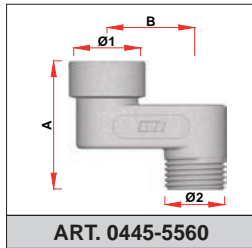
ART. 5227

CODE	Ø1	Ø2	A	B
5227	G1/2	26x1,5	32	67



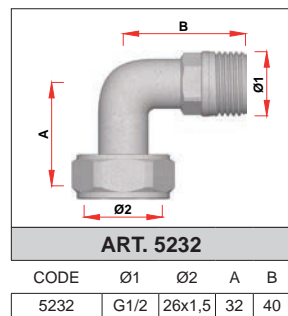
ART. 1810

CODE	A	B	C	D	E
1810	98	55	85	33	27



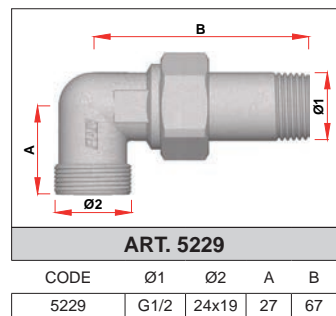
ART. 0445-5560

CODE	Ø1	Ø2	A	B
0445 112	G1/2	G1/2	44	10
0445 212	G1/2	G1/2	44	20
5560 138	G3/8	G3/8	44	10
5560 238	G3/8	G3/8	44	20
5560 338	G3/8	G3/8	44	30
5560 438	G3/8	G3/8	44	40
5560 538	G3/8	G3/8	44	50
5560 638	G3/8	G3/8	44	60
5560 112	G1/2	G1/2	44	10
5560 212	G1/2	G1/2	44	20
5560 312	G1/2	G1/2	44	30
5560 412	G1/2	G1/2	44	40
5560 512	G1/2	G1/2	44	50
5560 612	G1/2	G1/2	44	60
5560 134	G3/4	G3/4	48	10
5560 234	G3/4	G3/4	48	20
5560 334	G3/4	G3/4	48	30
5560 434	G3/4	G3/4	48	40
5560 534	G3/4	G3/4	48	50
5560 634	G3/4	G3/4	48	60



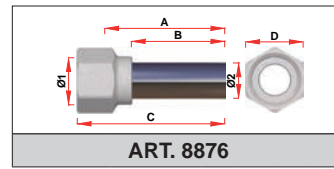
ART. 5232

CODE	Ø1	Ø2	A	B
5232	G1/2	26x1,5	32	40



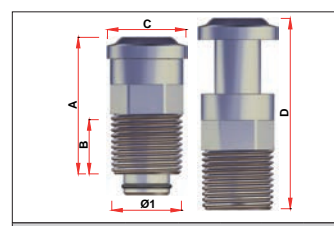
ART. 5229

CODE	Ø1	Ø2	A	B
5229	G1/2	24x19	27	67



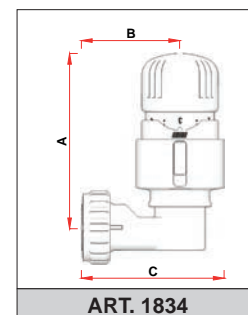
ART. 8876

CODE	Ø1	Ø1	A	B	C	D
8876 1205	G1/2	15	51	39	62	24



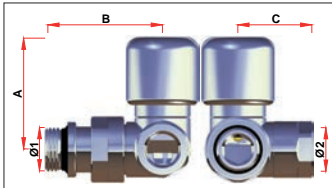
ART. 8820

CODE	Ø1	A	B	C	D
8820 38	G3/8	32	14	18	55
8820 12	G1/2	36	14	24	62
8820 34	G3/4	38	14	30	63



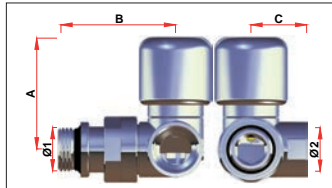
ART. 1834

CODE	A	B	C
1834	95	54	78



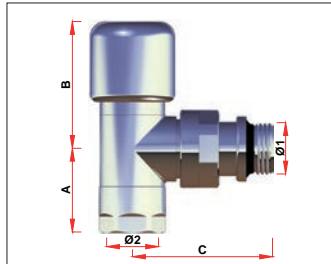
* = with thermostatic head Art.1827
ART. 0101-0111-0102-0112

CODE	Ø1	Ø2	A	B	C
0101 38P	G3/8	24x19	53 (101*)	52	33
0101 12P	G1/2	24x19	53 (101*)	55	33
0111 38P	G3/8	24x19	53 (101*)	52	33
0111 12P	G1/2	24x19	53 (101*)	55	33
0102 38P	G3/8	24x19	53 (101*)	52	33
0102 12P	G1/2	24x19	53 (101*)	55	33
0112 38P	G3/8	24x19	53 (101*)	52	33
0112 12P	G1/2	24x19	53 (101*)	55	33



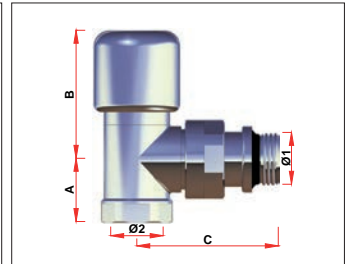
* = with thermostatic head Art.1827
ART. 0103-0113-0104-0114

CODE	Ø1	Ø2	A	B	C
0103 38P	G3/8	G3/8	53 (101*)	52	26
0103 12P	G1/2	G1/2	53 (101*)	55	26
0113 38P	G3/8	G3/8	53 (101*)	52	26
0113 12P	G1/2	G1/2	53 (101*)	55	26
0104 38P	G3/8	G3/8	53 (101*)	52	26
0104 12P	G1/2	G1/2	53 (101*)	55	26
0114 38P	G3/8	G3/8	53 (101*)	52	26
0114 12P	G1/2	G1/2	53 (101*)	55	26



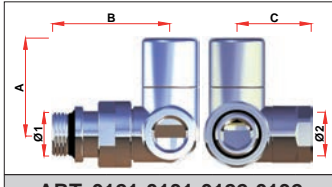
* = with thermostatic head Art.1827
ART. 0108-0109

CODE	Ø1	Ø2	A	B	C
0108 38P	G3/8	24x19	33	51 (99*)	53
0108 12P	G1/2	24x19	33	51 (99*)	56
0109 38P	G3/8	24x19	33	51 (99*)	53
0109 12P	G1/2	24x19	33	51 (99*)	56



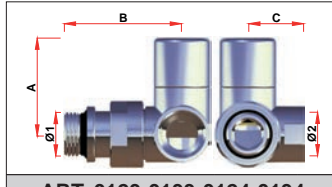
* = with thermostatic head Art.1827
ART. 0148-0149

CODE	Ø1	Ø2	A	B	C
0148 38P	G3/8	G3/8	26	51 (99*)	53
0148 12P	G1/2	G1/2	26	51 (99*)	56
0149 38P	G3/8	G3/8	26	51 (99*)	53
0149 12P	G1/2	G1/2	26	51 (99*)	56



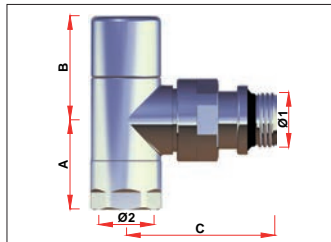
ART. 0121-0131-0122-0132

CODE	Ø1	Ø2	A	B	C
0121 38P	G3/8	24x19	46	52	33
0121 12P	G1/2	24x19	46	55	33
0131 38P	G3/8	24x19	46	52	33
0131 12P	G1/2	24x19	46	55	33
0122 38P	G3/8	24x19	46	52	33
0122 12P	G1/2	24x19	46	55	33
0132 38P	G3/8	24x19	46	52	33
0132 12P	G1/2	24x19	46	55	33



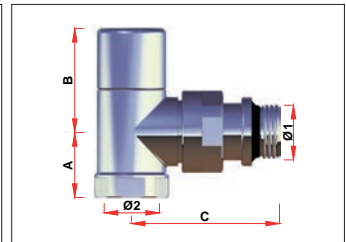
ART. 0123-0133-0124-0134

CODE	Ø1	Ø2	A	B	C
0123 38P	G3/8	G3/8	46	52	26
0123 12P	G1/2	G1/2	46	55	26
0133 38P	G3/8	G3/8	46	52	26
0133 12P	G1/2	G1/2	46	55	26
0124 38P	G3/8	G3/8	46	52	26
0124 12P	G1/2	G1/2	46	55	26
0134 38P	G3/8	G3/8	46	52	26
0134 12P	G1/2	G1/2	46	55	26



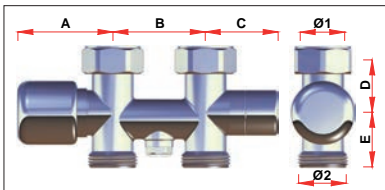
ART. 0128-0129

CODE	Ø1	Ø2	A	B	C
0128 38P	G3/8	24x19	33	39	53
0128 12P	G1/2	24x19	33	39	56
0129 38P	G3/8	24x19	33	39	53
0129 12P	G1/2	24x19	33	39	56



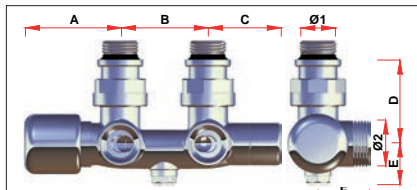
ART. 0168-0169

CODE	Ø1	Ø2	A	B	C
0168 38P	G3/8	G3/8	26	39	53
0168 12P	G1/2	G1/2	26	39	56
0169 38P	G3/8	G3/8	26	39	53
0169 12P	G1/2	G1/2	26	39	56



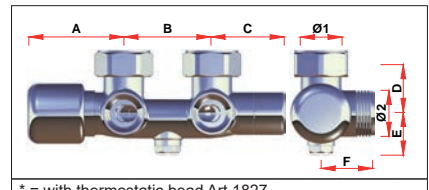
* = with thermostatic head Art.1827
ART. 0266

CODE	Ø1	Ø2	A	B	C	D	E
0266	G3/4	G3/4EU	51 (99*)	50	39	30	30



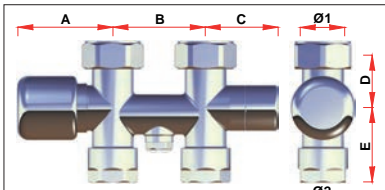
* = with thermostatic head Art.1827
ART. 0263

CODE	Ø1	Ø2	A	B	C	D	E	F
0263	G1/2	G3/4EU	55 (103*)	50	42	48	24	30



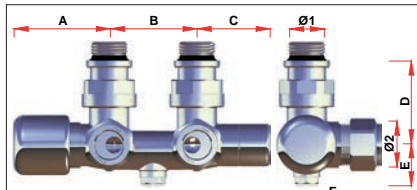
* = with thermostatic head Art.1827
ART. 0261

CODE	Ø1	Ø2	A	B	C	D	E	F
0261	G3/4	G3/4EU	55 (103*)	50	42	30	24	30



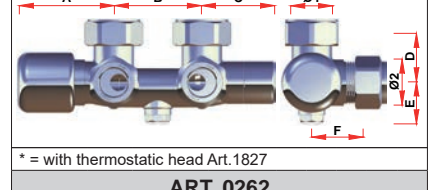
* = with thermostatic head Art.1827
ART. 0267

CODE	Ø1	Ø2	A	B	C	D	E
0267	G3/4	24x19	51 (99*)	50	39	30	40



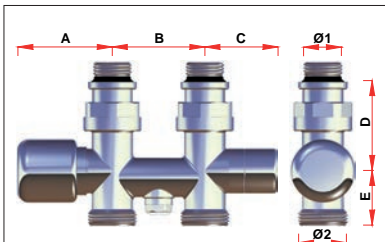
* = with thermostatic head Art.1827
ART. 0264

CODE	Ø1	Ø2	A	B	C	D	E	F
0264	G1/2	24x19	55 (103*)	50	42	48	24	38



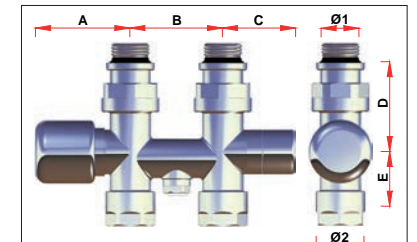
* = with thermostatic head Art.1827
ART. 0262

CODE	Ø1	Ø2	A	B	C	D	E	F
0262	G3/4	24x19	55 (103*)	50	42	30	24	38



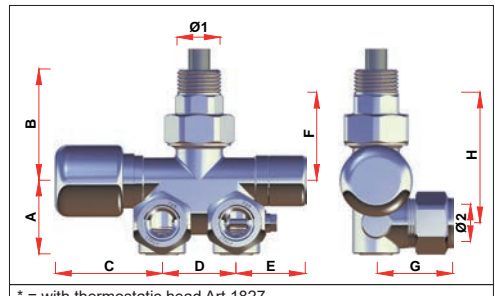
* = with thermostatic head Art.1827
ART. 0268

CODE	Ø1	Ø2	A	B	C	D	E
0268	G1/2	G3/4EU	51 (99*)	50	39	48	30



* = with thermostatic head Art.1827
ART. 0269

CODE	Ø1	Ø2	A	B	C	D	E
0269	G1/2	24x19	51 (99*)	50	39	48	40



* = with thermostatic head Art.1827
ART. 0286-0288

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
0286	G1/2	24x19 (Ø16)	35	53	51 (99*)	35	33	42	33	63
0288	G1/2	24x19 (Ø16)	35	53	51 (99*)	35	33	42	33	63

* = with thermostatic head Art.1827

ART. 0116-0117

CODE	Ø1	Ø2	A	B	C
0116 38P	G3/8	24x19	33	51 (99*)	53
0116 12P	G1/2	24x19	33	51 (99*)	56
0117 38P	G3/8	24x19	33	51 (99*)	53
0117 12P	G1/2	24x19	33	51 (99*)	56

* = with thermostatic head Art.1827

ART. 0118-0119

CODE	Ø1	Ø2	A	B	C
0118 38P	G3/8	G3/8	26	51 (99*)	53
0118 12P	G1/2	G1/2	26	51 (99*)	56
0119 38P	G3/8	G3/8	26	51 (99*)	53
0119 12P	G1/2	G1/2	26	51 (99*)	56

* = with thermostatic head Art.1827

ART. 0106-0107

CODE	Ø1	Ø2	A	B	C
0106 38P	G3/8	24x19	53 (101*)	52	36
0106 12P	G1/2	24x19	53 (101*)	55	36
0107 38P	G3/8	24x19	53 (101*)	52	36
0107 12P	G1/2	24x19	53 (101*)	55	36

* = with thermostatic head Art.1827

ART. 0146-0147

CODE	Ø1	Ø2	A	B	C
0146 38P	G3/8	24x19	53 (101*)	52	26
0146 12P	G1/2	24x19	53 (101*)	55	26
0147 38P	G3/8	24x19	53 (101*)	52	26
0147 12P	G1/2	24x19	53 (101*)	55	26

ART. 0136-0137

CODE	Ø1	Ø2	A	B	C
0136 38P	G3/8	24x19	33	39	53
0136 12P	G1/2	24x19	33	39	56
0137 38P	G3/8	24x19	33	39	53
0137 12P	G1/2	24x19	33	39	56

ART. 0138-0139

CODE	Ø1	Ø2	A	B	C
0138 38P	G3/8	G3/8	26	39	53
0138 12P	G1/2	G1/2	26	39	56
0139 38P	G3/8	G3/8	26	39	53
0139 12P	G1/2	G1/2	26	39	56

ART. 0126-0127

CODE	Ø1	Ø2	A	B	C
0126 38P	G3/8	24x19	39	52	36
0126 12P	G1/2	24x19	39	55	36
0127 38P	G3/8	24x19	39	52	36
0127 12P	G1/2	24x19	39	55	36

ART. 0166-0167

CODE	Ø1	Ø2	A	B	C
0166 38P	G3/8	G3/8	39	52	26
0166 12P	G1/2	G1/2	39	55	26
0167 38P	G3/8	G3/8	39	52	26
0167 12P	G1/2	G1/2	39	55	26

* = with thermostatic head Art.1827

ART. 0185-0195

CODE	Ø1	Ø2	A	B	C
0185 38P	G3/8	24x19	52 (100*)	54	37
0185 12P	G1/2	24x19	52 (100*)	57	37
0195 38P	G3/8	24x19	52 (100*)	54	37
0195 12P	G1/2	24x19	52 (100*)	57	37

* = with thermostatic head Art.1827

ART. 0225-0235

CODE	Ø1	Ø2	A	B	C
0225 12P	G1/2	G1/2	52 (100*)	57	29
0235 12P	G1/2	G1/2	52 (100*)	57	29

ART. 0245-0255

CODE	Ø1	Ø2	A	B	C
0245 12P	G1/2	G1/2	47	57	29
0255 12P	G1/2	G1/2	47	57	29

ART. 0205-0215

CODE	Ø1	Ø2	A	B	C
0205 38P	G3/8	24x19	47	54	37
0205 12P	G1/2	24x19	47	57	37
0215 38P	G3/8	24x19	47	54	37
0215 12P	G1/2	24x19	47	57	37

* = with thermostatic head Art.1827

ART. 0265

CODE	Ø1	Ø2	A	B	C	D	E	F
0265 12	G1/2	24x19 (Ø16)	39	35	46	45	45 (93*)	57
0265 34	G3/4	24x19 (Ø16)	39	35	46	45	45 (93*)	57

* = with thermostatic head Art.1827

ART. 0285

CODE	Ø1	Ø2	A	B	C	D	E	F
0285 12	G1/2	24x19 (Ø16)	39	35	46	45	45 (93*)	57
0285 34	G3/4	24x19 (Ø16)	39	35	46	45	45 (93*)	57

ART. 1941

CODE	Ø1	Ø2	A
1941	M30x1.5	M20x1	20

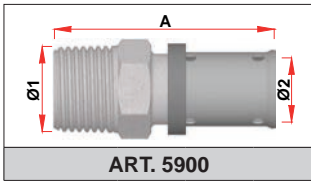
ART. 8875

CODE	Ø1	Ø2	A	B	C	D
8875 1210	G1/2	15	7	101	89	112
8875 1220	G1/2	15	7	201	189	212

* = with thermostatic head Art.1827

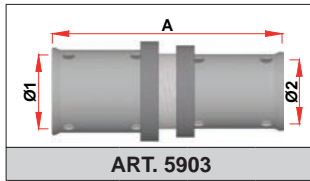
ART. 0281-0282

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
0281	G1/2	24x19 (Ø16)	35	53	51 (99*)	35	33	42	33	63
0282	G1/2	24x19 (Ø16)	35	53	51 (99*)	35	33	42	33	63



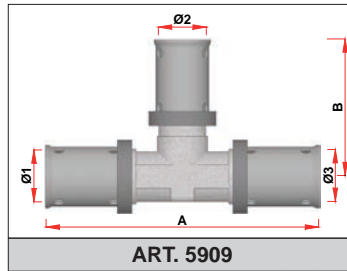
ART. 5900

CODE	Ø1	Ø2	A
59001401	R1/2	14x2	53
59001601	R1/2	16x2	53
59001602	R1/2	16x2,25	53
59001801	R1/2	18x2	53
59001802	R3/4	18x2	55
59002001	R1/2	20x2	53
59002002	R3/4	20x2	55
59002003	R1/2	20x2,25	53
59002004	R3/4	20x2,25	55
59002005	R1/2	20x2,5	53
59002006	R3/4	20x2,5	55
59002501	R3/4	25x2,5	60
59002502	R1	25x2,5	63
59002601	R3/4	26x3	60
59002602	R1	26x3	63
59003201	R1	32x3	63
59003202	R1 1/4	32x3	66
59003203	R3/4	32x3	60
59004001	R1	40x3,5	73
59004002	R1 1/4	40x3,5	76
59004003	R1	40x4	75
59004004	R1 1/4	40x4	75
59005001	R1 1/4	50x4	79
59005002	R1 1/4	50x4,5	79
59005003	R1 1/2	50x4	80
59005004	R1 1/2	50x4,5	80
59006301	R2	63x4,5	108



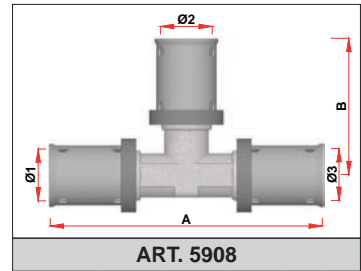
ART. 5903

CODE	Ø1	Ø2	A
59031801	18x2	16x2	56
59032001	20x2	16x2	56
59032002	20x2	18x2	56
59032003	20x2,5	16x2	56
59032004	20x2,5	18x2	56
59032005	20x2,5	16x2,25	56
59032006	20x2,25	16x2	56
59032007	20x2,25	18x2	56
59032008	20x2,5	20x2	60
59032009	20x2,5	20x2,25	60
59032010	20x2	14x2	56
59032011	20x2	20x2,25	56
59032501	25x2,5	16x2	64
59032502	25x2,5	18x2	64
59032503	25x2,5	20x2	64
59032504	25x2,5	20x2,5	64
59032505	25x2,5	20x2,25	64
59032601	26x3	16x2	64
59032602	26x3	18x2	64
59032603	26x3	20x2	64
59032604	26x3	20x2,5	64
59032605	26x3	20x2,25	64
59032606	26x3	25x2,5	65
59033201	32x3	16x2	64
59033202	32x3	18x2	64
59033203	32x3	20x2	64
59033204	32x3	20x2,5	64
59033205	32x3	25x2,5	68
59033206	32x3	26x3	68
59033207	32x3	20x2,25	64
59034001	40x3,5	25x2,5	78
59034002	40x3,5	26x3	78
59034003	40x3,5	32x3	78
59035001	50x4	32x3	79
59035002	50x4	40x3,5	89
59036301	63x4,5	32x3	104
59036302	63x4,5	40x3,5	114
59036303	63x4,5	50x4	117



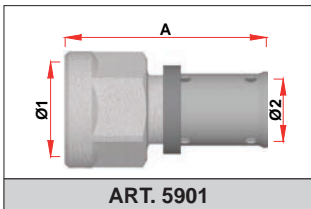
ART. 5909

CODE	Ø1	Ø2	Ø3	A	B
59091601	16x2	14x2	16x2	82	41
59091801	18x2	16x2	18x2	86	43
59092001	20x2	16x2	20x2	86	43
59092002	20x2	18x2	20x2	86	43
59092003	20x2,5	16x2	20x2,5	86	43
59092004	20x2,5	18x2	20x2,5	86	43
59092005	20x2,5	16x2,25	20x2,5	86	43
59092006	20x2,25	18x2	20x2,25	87	44
59092007	20x2,25	18x2	20x2,25	87	44
59092008	20x2	14x2	20x2	86	43
59092501	25x2,5	16x2	25x2,5	103	51
59092502	25x2,5	18x2	25x2,5	103	51
59092503	25x2,5	20x2	25x2,5	103	51
59092504	25x2,5	20x2,5	25x2,5	103	51
59092505	25x2,5	20x2,25	25x2,5	103	51
59092601	26x3	16x2	26x3	103	51
59092602	26x3	18x2	26x3	103	51
59092603	26x3	20x2	26x3	103	51
59092604	26x3	20x2,5	26x3	103	51
59092605	26x3	20x2,25	26x3	103	51
59092606	26x3	16x2,25	26x3	103	51
59093201	32x3	16x2	32x3	108	53
59093202	32x3	18x2	32x3	108	53
59093203	32x3	20x2	32x3	108	53
59093204	32x3	20x2,5	32x3	108	53
59093205	32x3	20x2,25	32x3	108	53
59093206	32x3	25x2,5	32x3	108	53
59093207	32x3	26x3	32x3	108	53
59094001	40x3,5	32x3	40x3,5	135	60
59094002	40x4	32x3	40x4	136	60
59094003	40x3,5	26x3	40x3,5	135	58
59094004	40x4	25x2,5	40x4	136	58
59095001	50x4	26x3	50x4	161	66
59095002	50x4	32x3	50x4	161	65
59095003	50x4	40x3,5	50x4	161	78
59095004	50x4,5	25x2,5	50x4,5	161	66
59095005	50x4,5	32x3	50x4,5	161	65
59095006	50x4,5	40x4	50x4,5	161	78



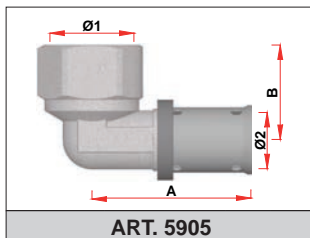
ART. 5908

CODE	Ø1	Ø2	Ø3	A	B
59081401	14x2	14x2	14x2	82	41
59081601	16x2	16x2	16x2	82	41
59081602	16x2,25	16x2,25	16x2,25	83	42
59081801	18x2	18x2	18x2	86	43
59082001	20x2	20x2	20x2	86	43
59082002	20x2,25	20x2,25	20x2,25	87	44
59082003	20x2,5	20x2,5	20x2,5	87	44
59082501	25x2,5	25x2,5	25x2,5	103	52
59082601	26x3	26x3	26x3	103	52
59083201	32x3	32x3	32x3	109	55
59084001	40x3,5	40x3,5	40x3,5	136	68
59084002	40x4	40x4	40x4	136	68
59085001	50x4	50x4	50x4	160	80
59085002	50x4,5	50x4,5	50x4,5	160	80
59086301	63x4,5	63x4,5	63x4,5	227	113



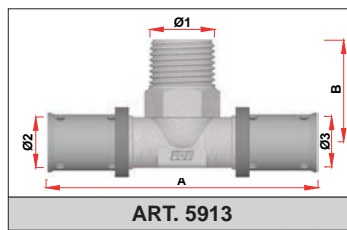
ART. 5901

CODE	Ø1	Ø2	A
59011401	Rp1/2	14x2	50
59011601	Rp1/2	16x2	50
59011602	Rp1/2	16x2,25	50
59011801	Rp1/2	18x2	50
59011802	Rp3/4	18x2	51
59012001	Rp1/2	20x2	50
59012002	Rp3/4	20x2	51
59012003	Rp1/2	20x2,25	50
59012004	Rp3/4	20x2,25	51
59012005	Rp1/2	20x2,5	50
59012006	Rp3/4	20x2,5	51
59012501	Rp3/4	25x2,5	56
59012502	Rp1	25x2,5	59
59012601	Rp3/4	26x3	56
59012602	Rp1	26x3	59
59013201	Rp1	32x3	59
59013202	Rp1 1/4	32x3	62
59013203	Rp3/4	32x3	56
59014001	Rp1	40x3,5	65
59014002	Rp1 1/4	40x3,5	72
59014003	Rp1	40x4	64
59014004	Rp1 1/4	40x4	71
59015001	Rp1 1/4	50x4	72
59015002	Rp1 1/4	50x4,5	72
59015003	Rp1 1/2	50x4	69
59015004	Rp1 1/2	50x4,5	69
59016301	Rp2	63x4,5	100



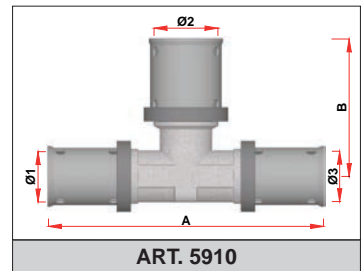
ART. 5905

CODE	Ø1	Ø2	A	B
59051401	Rp1/2	14x2	43	26
59051601	Rp1/2	16x2	43	26
59051602	Rp1/2	16x2,25	43	26
59051801	Rp1/2	18x2	43	26
59051802	Rp3/4	18x2	47	29
59052001	Rp1/2	20x2	43	26
59052002	Rp3/4	20x2	47	29
59052003	Rp1/2	20x2,25	43	26
59052004	Rp3/4	20x2,25	47	29
59052005	Rp1/2	20x2,5	43	26
59052006	Rp3/4	20x2,5	47	29
59052501	Rp3/4	25x2,5	53	29
59052502	Rp1	25x2,5	55	36
59052601	Rp3/4	26x3	53	29
59052602	Rp1	26x3	55	36
59053201	Rp1	32x3	56	36
59053202	Rp1 1/4	32x3	61	43
59053203	Rp3/4	32x3	53	33
59054001	Rp1 1/4	40x3,5	72	43
59054002	Rp1 1/4	40x4	72	43
59055001	Rp1 1/2	50x4	80	44
59055002	Rp1 1/2	50x4,5	80	44
59056301	Rp2	63x4,5	114	59



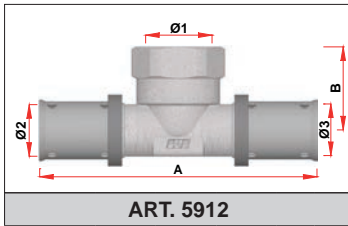
ART. 5913

CODE	Ø1	Ø2	Ø3	A	B
59131601	R1/2	16x2	16x2	85	32
59131602	R1/2	16x2,25	16x2,25	86	32
59131801	R1/2	18x2	18x2	87	32
59131802	R3/4	18x2	18x2	93	36
59132001	R1/2	20x2	20x2	87	32
59132002	R3/4	20x2	20x2	94	36
59132003	R1/2	20x2,25	20x2,25	87	32
59132004	R3/4	20x2,25	20x2,25	94	36
59132005	R1/2	20x2,5	20x2,5	87	32
59132006	R3/4	20x2,5	20x2,5	94	36
59132501	R3/4	25x2,5	25x2,5	105	36
59132502	R1	25x2,5	25x2,5	110	41
59132601	R3/4	26x3	26x3	105	36
59132602	R1	26x3	26x3	110	41
59133201	R1	32x3	32x3	111	41
59133202	R1 1/4	32x3	32x3	121	47
59134001	R1 1/4	40x3,5	40x3,5	142	47
59134002	R1 1/4	40x4	40x4	142	47
59135001	R1 1/2	50x4	50x4	161	57
59135002	R1 1/2	50x4,5	50x4,5	161	57



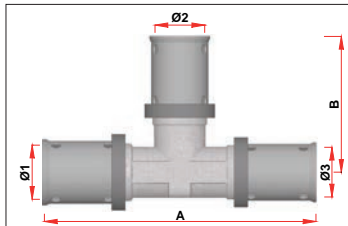
ART. 5910

CODE	Ø1	Ø2	Ø3	A	B
59101601	16x2	20x2	16x2	86	43
59101602	16x2	20x2,25	16x2	86	43
59101603	16x2	20x2,5	16x2	86	43
59101604	16x2,25	20x2	16x2,25	86	43
59101605	16x2,25	20x2,25	16x2,25	86	43
59101606	16x2,25	20x2,5	16x2,25	86	43
59101607	16x2	26x3	16x2	101	52
59101608	16x2	25x2,5	16x2	101	52
59101801	18x2	25x2,5	18x2	101	52
59101802	18x2	26x3	18x2	101	52
59102001	20x2	26x3	20x2	101	52
59102002	20x2,25	26x3	20x2,25	101	52
59102003	20x2,5	26x3	20x2,5	101	52
59102004	20x2,25	25x2,5	20x2,25	101	52
59102501	25x2,5	32x3	25x2,5	105	55
59102601	26x3	32x3	26x3	105	55
59103201	32x3	40x3,5	32x3	111	68
59103202	32x3	40x4	32x		



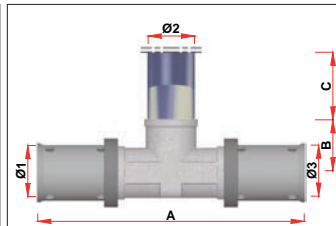
ART. 5912

CODE	Ø1	Ø2	Ø3	A	B
59121601	Rp1/2	16x2	16x2	85	26
59121602	Rp1/2	16x2,25	16x2,25	86	26
59121801	Rp1/2	18x2	18x2	87	26
59121802	Rp3/4	18x2	18x2	93	29
59122001	Rp1/2	20x2	20x2	87	26
59122002	Rp3/4	20x2	20x2	94	29
59122003	Rp1/2	20x2,25	20x2,25	87	26
59122004	Rp3/4	20x2,25	20x2,25	94	29
59122005	Rp1/2	20x2,5	20x2,5	87	26
59122006	Rp3/4	20x2,5	20x2,5	94	29
59122501	Rp3/4	25x2,5	25x2,5	105	29
59122502	Rp1	25x2,5	25x2,5	110	36
59122601	Rp3/4	26x3	26x3	105	29
59122602	Rp1	26x3	26x3	110	36
59123201	Rp1	32x3	32x3	111	36
59123202	Rp1 1/4	32x3	32x3	121	43
59124001	Rp1 1/4	40x3,5	40x3,5	142	43
59124002	Rp1 1/4	40x4	40x4	142	43
59125001	Rp1 1/2	50x4	50x4	161	44
59125002	Rp1 1/2	50x4,5	50x4,5	161	44
59126301	Rp3/4	63x4,5	63x4,5	195	50
59126302	Rp1	63x4,5	63x4,5	195	49
59126303	Rp1 1/4	63x4,5	63x4,5	208	58
59126304	Rp1 1/2	63x4,5	63x4,5	208	58
59126305	Rp2	63x4,5	63x4,5	208	58



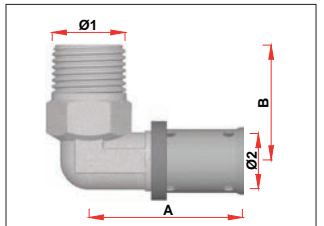
ART. 5911

CODE	Ø1	Ø2	Ø3	A	B
59111801	18x2	16x2	16x2	86	43
59111802	18x2	18x2	16x2	86	43
59112001	20x2	16x2	16x2	86	43
59112002	20x2	18x2	18x2	86	43
59112003	20x2	20x2	16x2	86	43
59112004	20x2,5	16x2	16x2	86	43
59112005	20x2,5	18x2	18x2	86	43
59112006	20x2,5	20x2,5	16x2	86	43
59112007	20x2,5	16x2,25	16x2,25	86	43
59112008	20x2,25	16x2	16x2	87	43
59112009	20x2,25	18x2	18x2	87	43
59112010	20x2,25	20x2,25	16x2	87	44
59112011	20x2,25	20x2,25	18x2	87	44
59112012	20x2	26x3	16x2	101	51
59112013	20x2,5	20x2,5	16x2,25	86	43
59112014	20x2	20x2	18x2	86	43
59112015	20x2,5	20x2,5	18x2	86	43
59112501	25x2,5	20x2	20x2	102	51
59112502	25x2,5	20x2,5	20x2,5	102	52
59112503	25x2,5	25x2,5	20x2	101	52
59112504	25x2,5	25x2,5	20x2,25	102	52
59112505	25x2,5	16x2	16x2	101	51
59112506	25x2,5	18x2	18x2	102	51
59112507	25x2,5	20x2,25	20x2,25	102	51
59112601	26x3	20x2	20x2	102	51
59112602	26x3	20x2,5	20x2,5	102	51
59112603	26x3	26x3	20x2	101	52
59112604	26x3	26x3	20x2,5	102	52
59112605	26x3	16x2	16x2	102	51
59112606	26x3	18x2	18x2	102	51
59112607	26x3	16x2	20x2	102	51
59112608	26x3	20x2	16x2	102	51
59112609	26x3	26x3	16x2	101	52
59112610	26x3	26x3	18x2	102	51
59112611	26x3	20x2,5	16x2	102	51
59112612	26x3	16x2	20x2,5	102	51
59113201	32x3	25x2,5	25x2,5	107	54
59113202	32x3	26x3	26x3	107	54
59113203	32x3	32x3	20x2	105	55
59113204	32x3	32x3	20x2,5	105	55
59113205	32x3	32x3	25x2,5	106	55
59113206	32x3	32x3	26x3	106	55
59113207	32x3	20x2	26x3	107	53
59113208	32x3	20x2,5	20x2,5	105	53
59113209	32x3	32x3	20x2,25	104	54
59113210	32x3	20x2	20x2	96	48
59113211	32x3	20x2,25	20x2,25	97	48
59114001	40x3,5	32x3	32x3	124	59
59114002	40x4	32x3	32x3	124	59
59115001	50x4	40x3,5	40x3,5	158	78
59115002	50x4	32x3	40x3,5	158	65
59115003	50x4	26x3	40x3,5	158	66
59115004	50x4,5	40x4	40x4	158	78
59115005	50x4,5	32x3	40x4	158	66
59115006	50x4,5	26x3	40x4	158	65



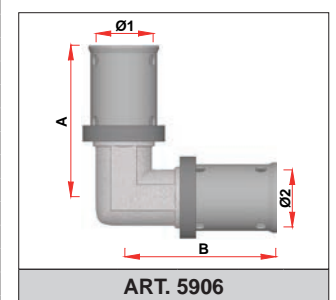
ART. 5921

CODE	Ø1	Ø2	A	B	C
5921140125	14x2	15	86	17	250
5921160125	16x2	15	86	17	250
5921160225	16x2,25	15	86	17	250
5921180125	18x2	15	86	17	250
5921200125	20x2	15	86	17	250
5921200225	20x2,25	15	86	17	250
5921200325	20x2,5	15	86	17	250



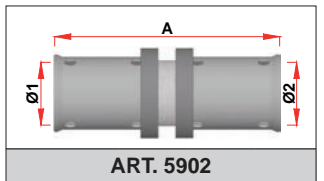
ART. 5904

CODE	Ø1	Ø2	A	B
59041401	R1/2	14x2	43	32
59041601	R1/2	16x2	43	32
59041602	R1/2	16x2,25	43	32
59041801	R1/2	18x2	43	32
59041802	R3/4	18x2	47	36
59042001	R1/2	20x2	43	32
59042002	R3/4	20x2	47	36
59042003	R1/2	20x2,25	43	32
59042004	R3/4	20x2,25	47	36
59042005	R1/2	20x2,5	43	32
59042006	R3/4	20x2,5	47	36
59042501	R3/4	25x2,5	53	36
59042502	R1	25x2,5	55	41
59042601	R3/4	26x3	53	36
59042602	R1	26x3	55	41
59043201	R1	32x3	56	41
59043202	R1 1/4	32x3	61	47
59043203	R3/4	32x3	53	40
59044001	R1 1/4	40x3,5	72	47
59044002	R1 1/4	40x4	72	47
59045001	R1 1/2	50x4	80	57
59045002	R1 1/2	50x4,5	80	57
59046301	R2	63x4,5	114	73



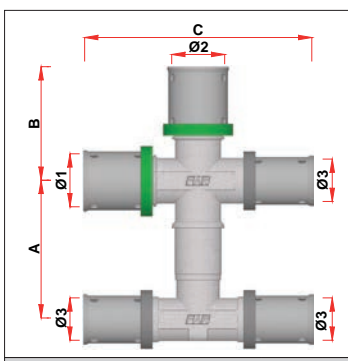
ART. 5906

CODE	Ø1	Ø2	A	B
59061401	14x2	14x2	41	41
59061601	16x2	16x2	41	41
59061602	16x2,25	16x2,25	42	42
59061801	18x2	18x2	43	43
59062001	20x2	20x2	43	43
59062002	20x2,25	20x2,25	43	43
59062003	20x2,5	20x2,5	43	43
59062501	25x2,5	25x2,5	52	52
59062601	26x3	26x3	52	52
59063201	32x3	32x3	55	55
59064001	40x3,5	40x3,5	69	69
59064002	40x4	40x4	68	68
59065001	50x4	50x4	82	82
59065002	50x4,5	50x4,5	82	82
59066301	63x4,5	63x4,5	114	114



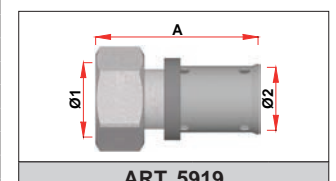
ART. 5902

CODE	Ø1	Ø2	A
59021401	14x2	14x2	56
59021601	16x2	16x2	56
59021602	16x2,25	16x2,25	56
59021701	17x2	17x2	56
59021801	18x2	18x2	56
59022001	20x2	20x2	56
59022002	20x2,25	20x2,25	56
59022003	20x2,5	20x2,5	56
59022501	25x2,5	25x2,5	66
59022601	26x3	26x3	66
59023201	32x3	32x3	66
59024001	40x3,5	40x3,5	85
59024002	40x4	40x4	85
59025001	50x4	50x4	90
59025002	50x4,5	50x4,5	90
59026301	63x4,5	63x4,5	136



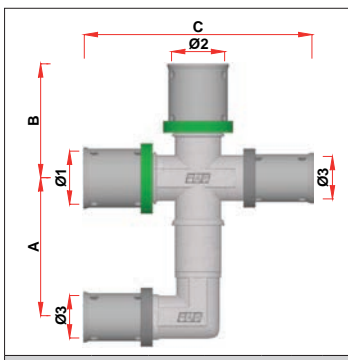
ART. 5923

CODE	Ø1	Ø2	Ø3	A	B	C
59232001	20x2,5	20x2,5	16x2	52	43	86
59232002	20x2	20x2	16x2	52	43	86
59232003	20x2,25	20x2,25	16x2,25	52	43	86
59232601	20x2,5	26x3	16x2	52	51	92
59232602	20x2	26x3	16x2	52	51	92



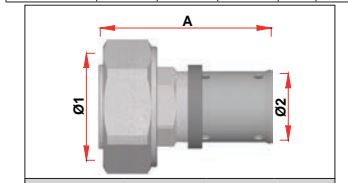
ART. 5919

CODE	Ø1	Ø2	A
59191601	G1/2 TP	16x2	44
59191602	G1/2 TP	16x2,25	44
59191603	G3/4 TP	16x2	49
59191604	G3/4 TP	16x2,25	49
59191801	G1/2 TP	18x2	44
59191802	G3/4 TP	18x2	49
59192001	G1/2 TP	20x2	44
59192002	G1/2 TP	20x2,25	44
59192003	G1/2 TP	20x2,5	44
59192004	G3/4 TP	20x2	49
59192005	G3/4 TP	20x2,25	49
59192006	G3/4 TP	20x2,5	49
59192501	G1 TP	25x2,5	56
59192502	G3/4 TP	25x2,5	54
59192601	G1 TP	26x3	56
59192602	G3/4 TP	26x3	54
59193201	G1 TP	32x3	59
59194001	G1 TP	40x3,5	73
59194002	G1 1/4 TP	40x4	71
59194003	G1 TP	40x4	73
59195002	G1 1/2 TP	50x4,5	75
59196301	G2 TP	63x4,5	105
59196302	G2 TP	63x6	99



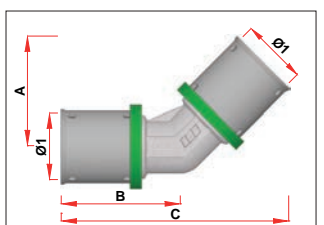
ART. 5924

CODE	Ø1	Ø2	Ø3	A	B	C
59242001	20x2,5	20x2,5	16x2	52	43	86
59242002	20x2	20x2	16x2	52	43	86
59242003	20x2,25	20x2,25	16x2,25	52	43	86
59242601	20x2,5	26x3	16x2	52	51	92
59242602	20x2	26x3	16x2	52	51	92



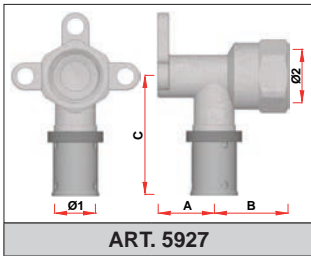
ART. 5915-5918

CODE	Ø1	Ø2	A
59151601	24x19	16x2	49
59152001	24x19	20x2	49
59182001	M33x1,5	20x2	55
59182501	M33x1,5	25x2,5	60
59182601	M33x1,5	26x3	60



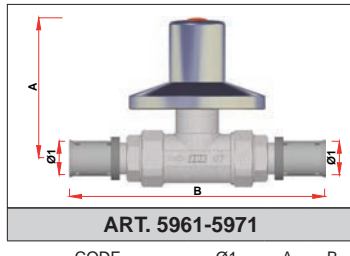
ART. 5907

CODE	Ø1
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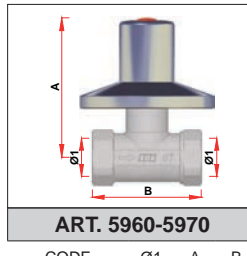
ART. 5927

CODE	Ø1	Ø2	A	B	C
59271601	16x2	Rp1/2	23	30	48
59271602	16x2,25	Rp1/2	23	30	48
59271801	18x2	Rp1/2	23	30	48
59272001	20x2	Rp1/2	23	30	48
59272002	20x2,25	Rp1/2	23	30	48
59272003	20x2,5	Rp1/2	23	30	48



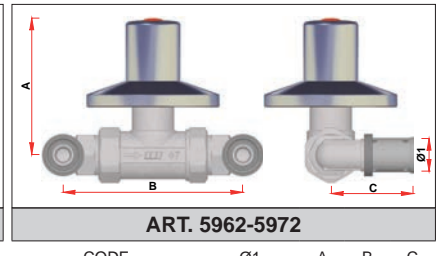
ART. 5961-5971

CODE	Ø1	A	B
59611601-59711601	16x2	72	132
59611602-59711602	16x2,25	72	136
59611801-59711801	18x2	72	136
59612001-59712001	20x2	72	132
59612002-59712002	20x2,25	72	136
59612003-59712003	20x2,5	72	133
59612601-59712601	26x3	82	148
59613201-59712602	32x3	82	152



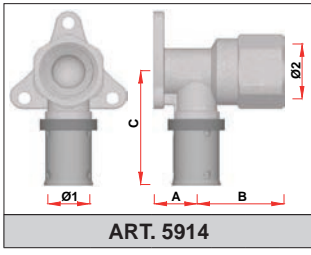
ART. 5960-5970

CODE	Ø1	A	B
5960-5970 12	G1/2	72	58
5960-5970 34	G3/4	82	62



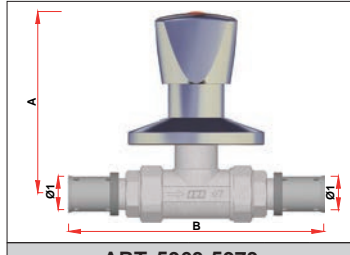
ART. 5962-5972

CODE	Ø1	A	B	C
59621601-59721601	16x2	72	94	43
59621801-59721801	18x2	72	94	44
59622003-59722003	20x2,5	72	94	44
59622601-59722601	26x3	82	103	64



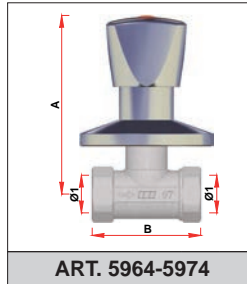
ART. 5914

CODE	Ø1	Ø2	A	B	C
59141601	16x2	Rp1/2	17	34	44
59141602	16x2,25	Rp1/2	17	34	44
59141801	18x2	Rp1/2	17	34	44
59141802	18x2	Rp3/4	20	29	48
59142001	20x2	Rp1/2	17	34	44
59142002	20x2	Rp3/4	20	29	48
59142003	20x2,25	Rp1/2	17	34	44
59142004	20x2,25	Rp3/4	20	29	48
59142005	20x2,5	Rp1/2	17	34	44
59142006	20x2,5	Rp3/4	20	29	48
59142501	25x2,5	Rp3/4	20	29	52
59142601	26x3	Rp3/4	20	29	52



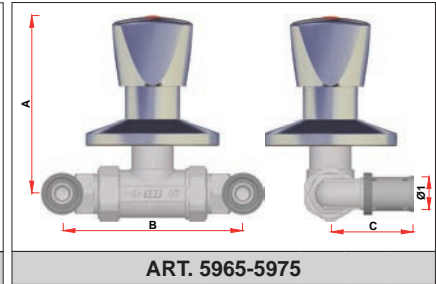
ART. 5963-5973

CODE	Ø1	A	B
59631601-59731601	16x2	96	132
59631801-59731801	18x2	96	136
59632001-59732001	20x2	96	133
59632003-59732003	20x2,5	96	133
59632601-59732601	26x3	102	148
59633201-59733201	32x3	102	152



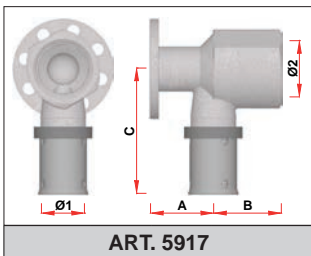
ART. 5964-5974

CODE	Ø1	A	B
5964-5974 12	G1/2	96	58
5964-5974 34	G3/4	102	62



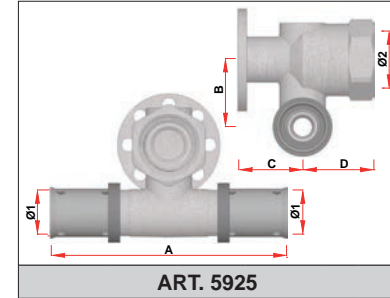
ART. 5965-5975

CODE	Ø1	A	B	C
59651601-59751601	16x2	96	94	43
59651801-59751801	18x2	96	94	44
59652003-59752003	20x2,5	96	94	44
59652601-59752601	26x3	102	103	64



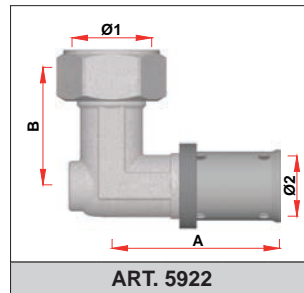
ART. 5917

CODE	Ø1	Ø2	A	B	C
59171601	16x2	Rp1/2	24	26	48
59171602	16x2,25	Rp1/2	24	26	48
59171801	18x2	Rp1/2	24	26	48
59172001	20x2	Rp1/2	24	26	48
59172002	20x2,25	Rp1/2	24	26	48
59172003	20x2,5	Rp1/2	24	26	48



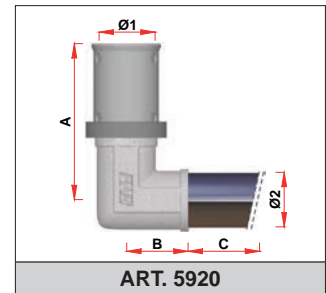
ART. 5925

CODE	Ø1	Ø2	A	B	C	D
59251601	16x2	Rp1/2	88	25	24	27
59251602	16x2,25	Rp1/2	88	25	24	27
59251801	18x2	Rp1/2	88	25	24	27
59252001	20x2	Rp1/2	88	25	24	27
59252002	20x2,25	Rp1/2	88	25	24	27
59252003	20x2,5	Rp1/2	88	25	24	27



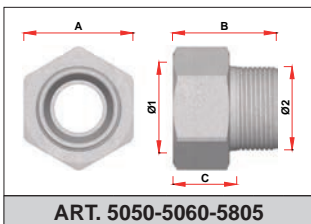
ART. 5922

CODE	Ø1	Ø2	A	B
59221601	G1/2	16x2	43	31
59221602	G3/4	16x2	43	31
59221801	G1/2	18x2	43	31
59221802	G3/4	18x2	43	31
59222001	G1/2	20x2	43	31
59222002	G3/4	20x2	43	31
59222003	G3/4	20x2,5	43	31
59222004	G1/2	20x2,5	43	31
59222501	G3/4	25x2,5	53	36
59222502	G1	25x2,5	53	36
59222601	G3/4	26x3	53	36
59222602	G1	26x3	53	36



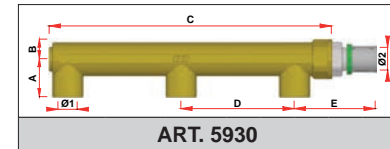
ART. 5920

CODE	Ø1	Ø2	A	B	C
5920140109	14x2	15	43	17	90
5920160109	16x2	15	43	17	90
5920160209	16x2,25	15	43	17	90
5920180109	18x2	15	43	17	90
5920200109	20x2	15	43	17	90
5920200209	20x2,25	15	43	17	90
5920200309	20x2,5	15	43	17	90
5920140124	14x2	15	43	17	240
5920160124	16x2	15	43	17	240
5920160224	16x2,25	15	43	17	240
5920180124	18x2	15	43	17	240
5920200124	20x2	15	43	17	240
5920200224	20x2,25	15	43	17	240
5920200324	20x2,5	15	43	17	240



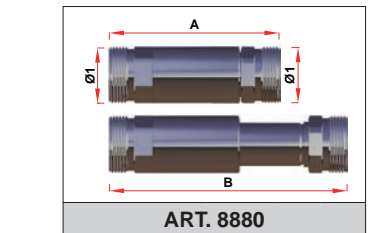
ART. 5050-5060-5805

CODE	Ø1	Ø2	A	B	C
5050-5060 38	G3/8	24x19	26	26	16
5050-5060 12	G1/2	24x19	26	28	17
5050-5060 34	G3/4	24x19	31	30	18
5050-5060 1	G1	24x19	38	31	20
5805 12	G1/2	G1/2	24	27	17
5805 34	G3/4	G3/4	31	30	19



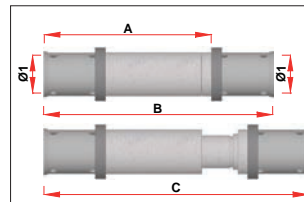
ART. 5930

CODE	Ø1	Ø2	A	B	C	D	E
59302003	G1/2	20x2,5	35	17	250	100	72
59302601	G1/2	26x3	35	17	250	100	76



ART. 8880

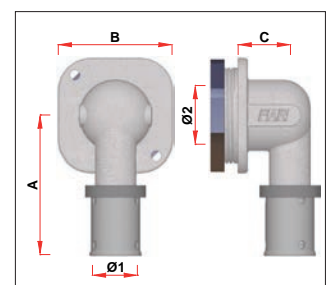
CODE	Ø1	A	B
8880 30	24x19	72	101



Min. cut width on the pipe

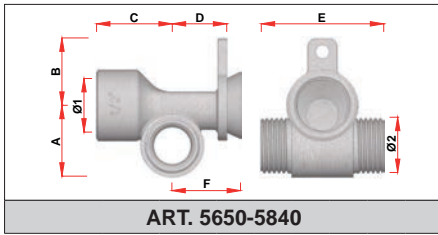
ART. 5926

CODE	Ø1	A*	B	C
59261401	14x2	70	96	123
59261601	16x2	70	96	123
59261602	16x2,25	70	96	123
59261801	18x2	70	96	123
59262001	20x2	70	96	123
59262002	20x2,25	70	96	123
59262003	20x2,5	70	96	123



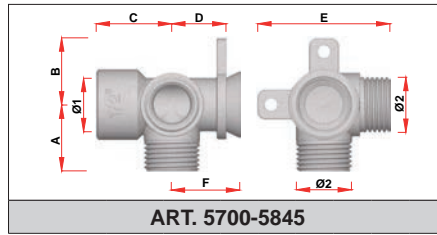
ART. 5928

CODE	Ø1	Ø2	A	B	C
59281601	16x2	Rp1/2	51	42	19
59281602	16x2,25	Rp1/2	51	42	19



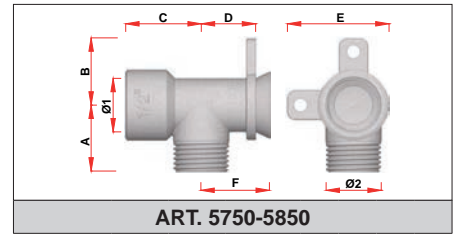
ART. 5650-5840

CODE	Ø1	Ø2	A	B	C	D	E	F
5650 12	G1/2	24x19	27	25	29	21	46	26
5840 12	G1/2	G1/2	27	25	29	21	46	26



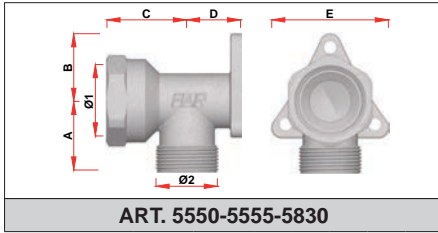
ART. 5700-5845

CODE	Ø1	Ø2	A	B	C	D	E	F
5700 12	G1/2	24x19	27	25	29	21	50	26
5845 12	G1/2	G1/2	27	25	29	21	50	26



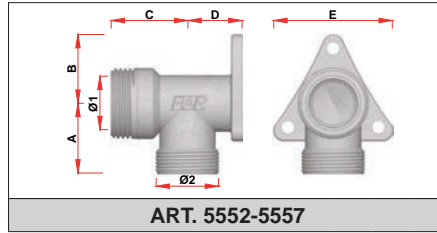
ART. 5750-5850

CODE	Ø1	Ø2	A	B	C	D	E	F
5750 12	G1/2	24x19	27	25	29	21	38	26
5850 12	G1/2	G1/2	27	25	29	21	38	26



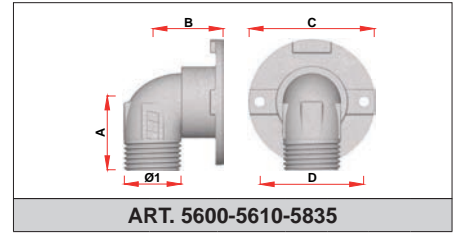
ART. 5550-5555-5830

CODE	Ø1	Ø2	A	B	C	D	E
5550-5555 12	G1/2	24x19	27	26	28	21	45
5550-5555 34	G3/4	24x19	28	26	31	21	45
5830 12	G1/2	G1/2	26	26	28	21	45



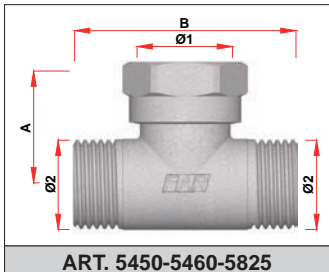
ART. 5552-5557

CODE	Ø1	Ø2	A	B	C	D	E
5552-5557 34	G3/4	24x19	27	25	29	21	46



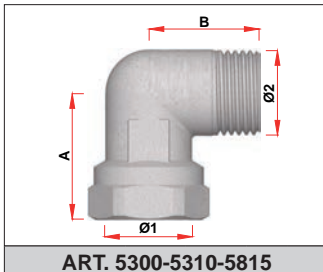
ART. 5600-5610-5835

CODE	Ø1	Ø2	A	B	C	D
5600-5610 12	G1/2	24x19	26	26	46	38
5835 12	G1/2	G1/2	26	26	46	38



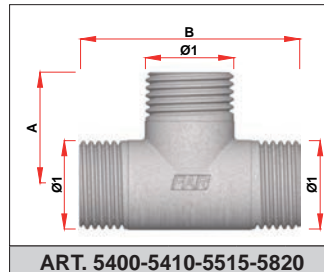
ART. 5450-5460-5825

CODE	Ø1	Ø2	A	B
5450-5460 12	G1/2	24x19	29	51
5450-5460 34	G3/4	24x19	31	55
5825 12	G1/2	G1/2	29	52



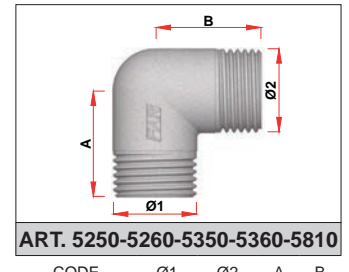
ART. 5300-5310-5815

CODE	Ø1	Ø2	A	B
5300-5310 12	G1/2	24x19	31	27
5300-5310 34	G3/4	24x19	31	27
5300-5310 1	G1	24x19	37	31
5815 12	G1/2	G1/2	31	27
5815 34	G3/4	G3/4	33	30



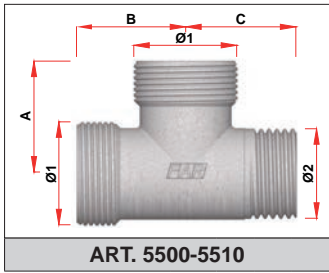
ART. 5400-5410-5515-5820

CODE	Ø1	A	B
5400-5410 12	24x19	26	51
5505-5515 12	G1/2	27	51
5505-5515 34	G3/4	28	60
5505-5515 1	G1	34	68
5820 12	G1/2	27	52



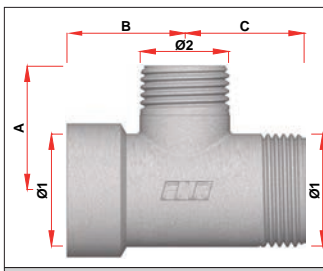
ART. 5250-5260-5350-5360-5810

CODE	Ø1	Ø2	A	B
5250-5260 12	G1/2	24x19	36	27
5250-5260 34	G3/4	24x19	31	27
5250-5260 1	G1	24x19	33	30
5350-5360 12	24x19	24x19	27	27
5810 12	G1/2	G1/2	27	27
5810 34	G3/4	G3/4	27	27



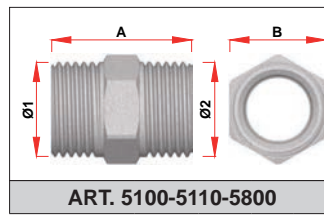
ART. 5500-5510

CODE	Ø1	Ø2	A	B	C
5500-5510 12	24x19	G1/2	27	25	26



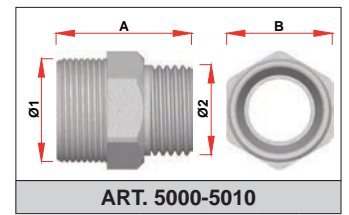
ART. 5506-5516

CODE	Ø1	Ø2	A	B	C
5506-5516 34	G3/4	G1/2	27	25	26



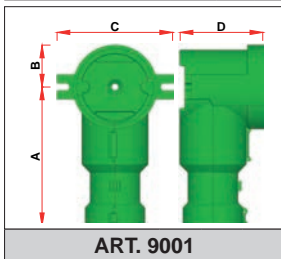
ART. 5100-5110-5800

CODE	Ø1	Ø2	A	B
5100-5110 12	24x19	24x19	33	24
5800 12	G1/2	G1/2	31	21
5800 34	G3/4	G3/4	33	27



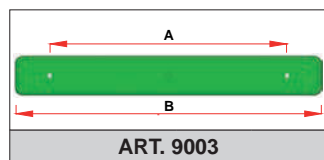
ART. 5000-5010

CODE	Ø1	Ø2	A	B
5000-5010 38	24x19	G3/8	30	24
5000-5010 12	24x19	G1/2	31	24
5000-5010 34	24x19	G3/4	33	29
5000-5010 1	24x19	G1	37	34



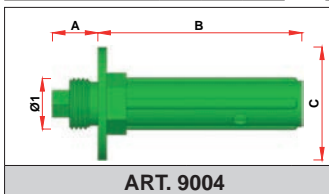
ART. 9001

CODE	A	B	C	D
9001	84	26	70	50



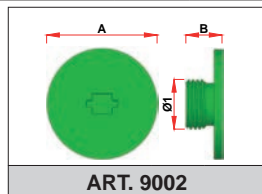
ART. 9003

CODE	B	C
9003	155	200



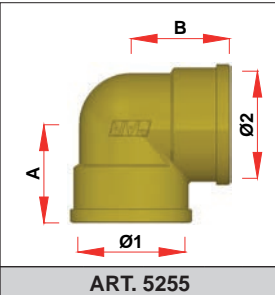
ART. 9004

CODE	Ø1	A	B	C
9004	G1/2	19	83	46



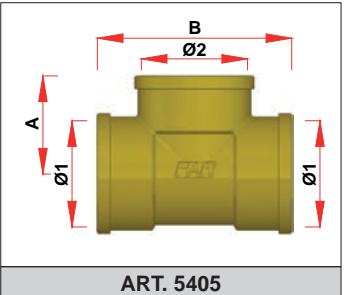
ART. 9002

CODE	Ø1	A	B
9002	G1/2	46	15



ART. 5255

CODE	Ø1	Ø2	A	B
5255 12	G1/2	G1/2	22	22
5255 34	G3/4	G3/4	26	26
5255 1	G1	G1	33	33
5255 114	G1 1/4	G1 1/4	40	40
5255 112	G1 1/2	G1 1/2	45	45
5255 2	G2	G2	51	51



ART. 5405

CODE	Ø1	Ø2	Ø3	A	B
5405 12	G1/2	G1/2	G1/2	22	44
5405 34	G3/4	G3/4	G3/4	26	52
5405 1	G1	G1	G1	33	66
5405 114	G1 1/4	G1 1/4	G1 1/4	40	80
5405 112	G1 1/2	G1 1/2	G1 1/2	45	90
5405 2	G2	G2	G2	51	102

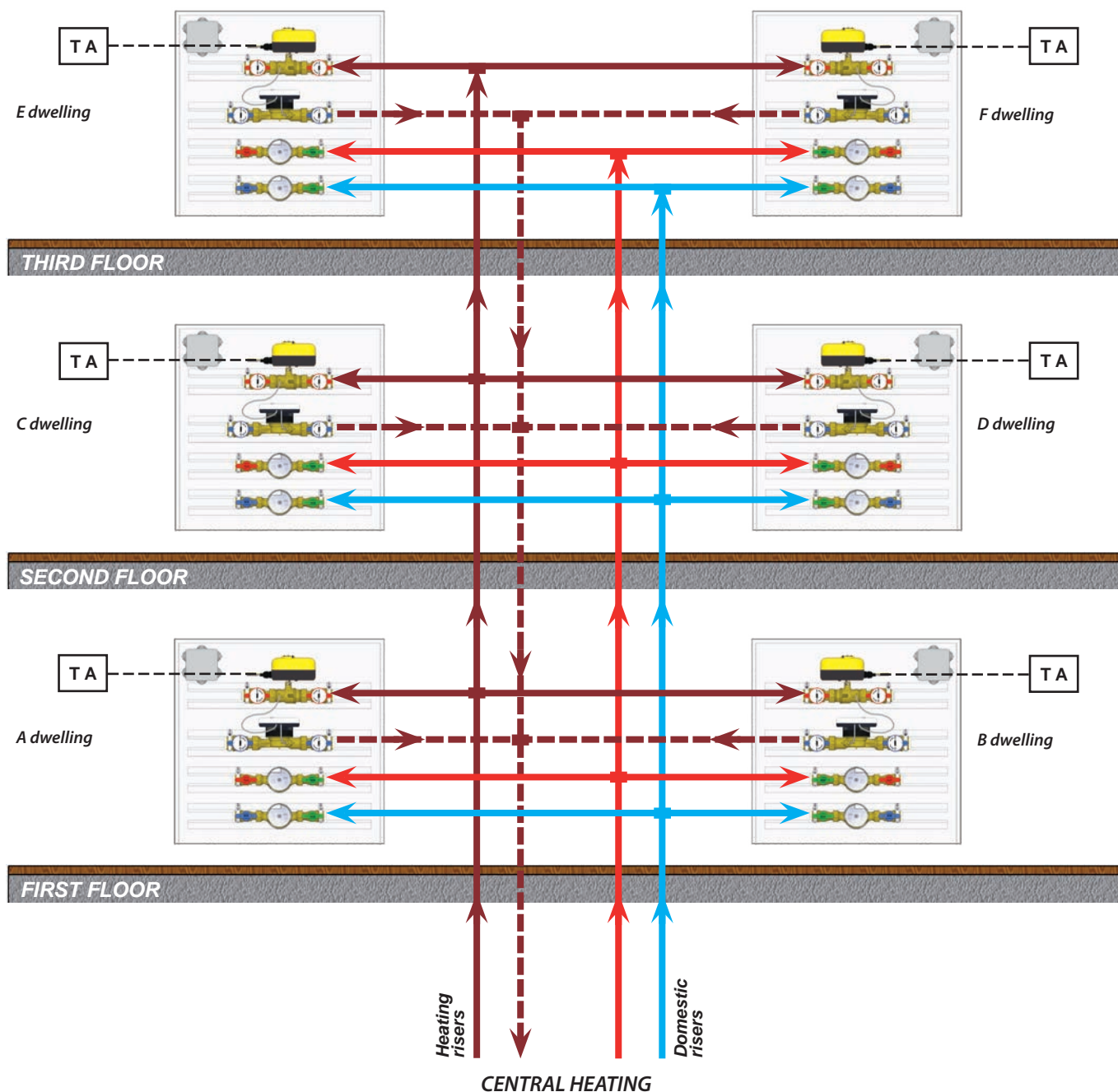


14

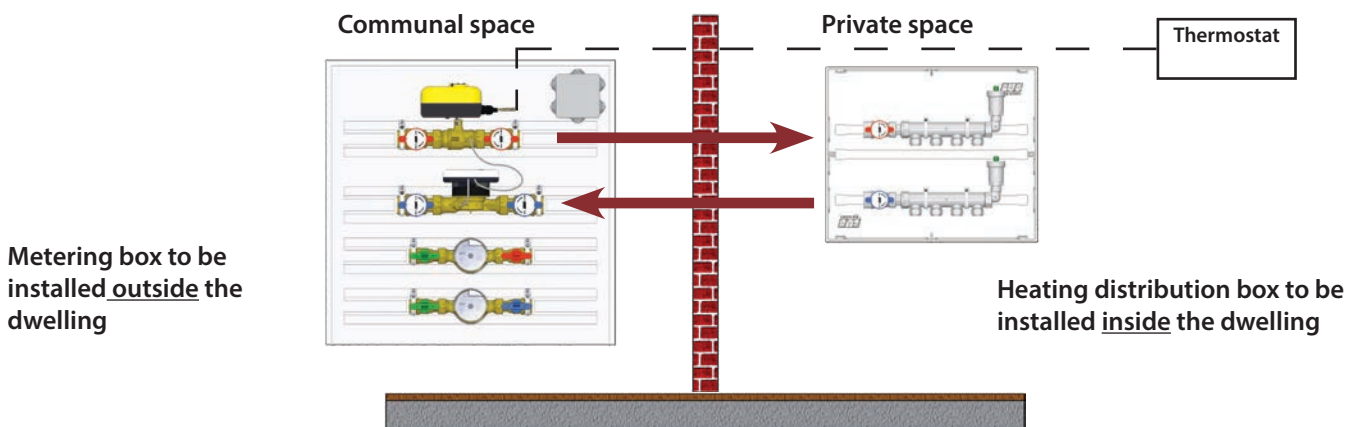
Metering system

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Accessories for mixed metering modules in box	361
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Accessories for multi-user metering modules	369

Scheme of a communal system:



In order to simplify plant management of metering systems, boxes must be installed outside of each dwelling, in a common place, so they are easily accessible to the administrator and those involved in the verification and maintenance of the plant.



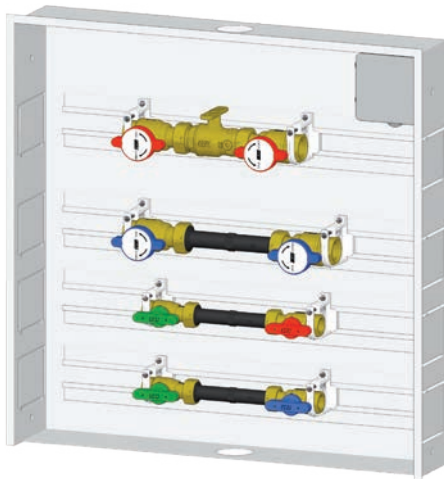
2 way module

Code	heat meter template	heating connection	domestic template	domestic connection	€	Code	voltage	opening time	€
2300 1515	110mm 3/4" M	3/4"	110mm 3/4" M	1/2"	388,88	3001 40	230 V	40 s	139,86
2300 2515	130mm 1" M	3/4"	110mm 3/4" M	1/2"	401,03	3002 40	24 V	40 s	139,86
2300 2525	130mm 1" M	3/4"	130mm 1" M	3/4"	423,77	Code probe thread €			
						2352	M10x1	1,12	

ATTENTION - Each code is made up of:

- ART. 2300 made up of metallic box complete with supports, zone valves and shut-off valves and templates for system test.
- ART. 3001-3002 made up of zone valve actuator
- ART. 2352 made up of seating for heat meter probe

Accessories for metering boxes on pages 357-358


Art. 2300

Art. 3001-3002

Art. 2352
TECHNICAL FEATURE OF ART. 2300 COMPLETE WITH ARTS. 3001-3002 and ART. 2352
ZINC-COATED SHEET BOX complete with:

- Zinc-coated sheet box.
- Frame and painted sheet steel cover with lock
- Guides with supports for fixing of heating/cooling metering units and domestic hot/cold water units.
- Box sizes 550x550x110 (adjustable depth from 110 to 140mm).

HEATING/COOLING METERING UNIT complete with:

- No. 4 shut-off ball valves with full bore.
- 2 way zone valve complete with 24/230V actuator and probe seating.
- Template for heat meter.

METERING UNIT FOR DOMESTIC HOT WATER (ACS) complete with:

- No. 2 shut-off ball valves with full bore.
- Non return valve in inlet.
- Template for water meter.

METERING UNIT FOR DOMESTIC COLD WATER (AFS) complete with:

- No. 2 shut-off ball valves with full bore.
- Non return valve in inlet.
- Template for water meter.

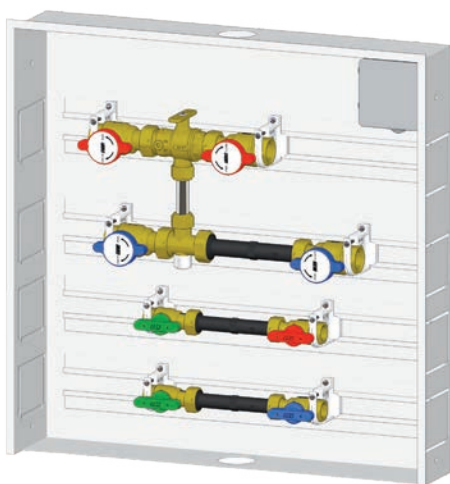
3 way module

Code	heat meter template	heating connection	domestic template	domestic connection	€	Code	voltage	opening time	€
2301 1515	110mm 3/4" M	3/4"	110mm 3/4" M	1/2"	407,50	3001 40	230 V	40 s	139,86
2301 2515	130mm 1" M	3/4"	110mm 3/4" M	1/2"	422,19	3002 40	24 V	40 s	139,86
2301 2525	130mm 1" M	3/4"	110mm 1" M	3/4"	444,84	Code probe thread		€	
						2352	M10x1		1,12

ATTENTION - Each code is made up of:

- ART. 2301 made up of metallic box complete with supports, zone valves and shut-off valves and templates for system test.
- ART. 3001-3002 made up of zone valve actuator
- ART. 2352 made up of seating for heat meter probe

Accessories for metering boxes on pages 357-358



Art. 2301



Art. 3001-3002



Art. 2352

TECHNICAL FEATURE OF ART. 2301 COMPLETE WITH ARTS. 3001-3002 and ART. 2352

ZINC-COATED SHEET BOX complete with:

- Zinc-coated sheet box.
- Frame and painted sheet steel cover with lock
- Guides with supports for fixing of heating/cooling metering units and domestic hot/cold water units.
- Box sizes 550x550x110 (adjustable depth from 110 to 140mm).

HEATING/COOLING METERING UNIT complete with:

- No. 4 shut-off ball valves with full bore.
- 3 way zone valve complete with 24/230V actuator and probe seating.
- Template for heat meter.

METERING UNIT FOR DOMESTIC HOT WATER (ACS) complete with:

- No. 2 shut-off ball valves with full bore.
- Non return valve in inlet.
- Template for water meter.

METERING UNIT FOR DOMESTIC COLD WATER (AFS) complete with:

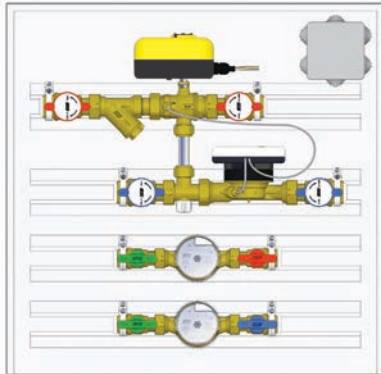
- No. 2 shut-off ball valves with full bore.
- Non return valve in inlet.
- Template for water meter.

ACCESSORIES FOR METERING BOXES

Art. 2328 STRAINER KIT

FAR strainer kit must be used to protect the heat meter on heating/cooling systems if there is not already a general filtering system on the riser. In order to ensure the proper system operation it is necessary to carry out periodic cleaning of the cartridge.

Installation overview in box:



Inclined strainer kit for metering unit.

- Body in CW617N brass
- Mesh strainer material AISI 304
- Filtration level: 600 µm
- Male-Female connections with union and sealing gasket
- Removable cartridge for cleaning



Art. 2328

Code	heat meter template	€	box
2328 12	110mm 3/4" M	10,41	1
2328 34	130mm 1" M	15,48	1

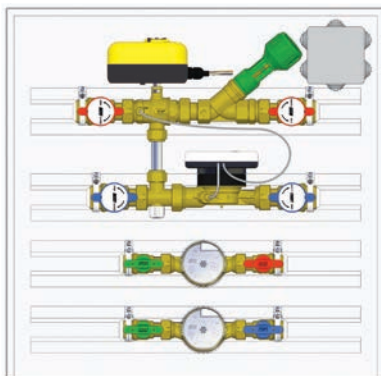
ATTENTION:

When ordering metering boxes and FAR strainer kit please specify "PRE-ASSEMBLED IN BOX" beside the code, and the component will be supplied pre-assembled inside the metering box.

Art. 2329 BALANCING KIT

FAR balancing kit is useful for adjusting the flow to be supplied to each unit. The flow is adjusted by rotating the valve handle to the desired position. With the system in operation, you can view the actual flow value by scrolling the menu of the FAR electronic heat meter.

Installation overview in box:



Balancing kit for metering unit.

- Body in CR brass
- Shaped shutter with EPDM closing gasket
- Micrometric handle
- Anti-tampering device
- Graduated scale with 360° reading



Art. 2329

Code	heat meter template	€	box
2329 12	110mm 3/4" M	47,78	1
2329 34	130mm 1" M	59,97	1

ATTENTION:

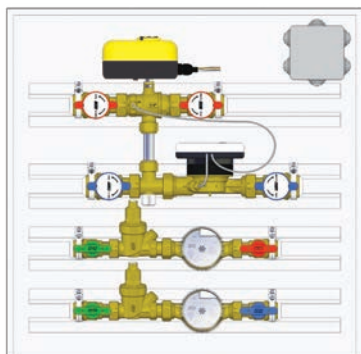
When ordering metering boxes and FAR strainer kit please specify "PRE-ASSEMBLED IN BOX" beside the code, and the component will be supplied pre-assembled inside the metering box.

ACCESSORIES FOR METERING BOXES

Art. 2357 PRESSURE REDUCING VALVE

Pressure reducing valve for domestic hot/cold water units. 3 bar preset.
It can be used with equipment with nominal flow $Q_n=1,5 \text{ m}^3/\text{h}$ and with nominal flow $Q_n=2,5 \text{ m}^3/\text{h}$.

Installation overview in box:



Brass pressure reducing valve for domestic services.

- Body material: CR brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 75°C
- Compatible fluids: water and air
- 3 bar preset

Art. 2357

Code	heat meter template	€	box
2357 12	110mm 3/4" M	33,59	1
2357 34	130mm 1" M	36,77	1

Art. 7946 ELECTRONIC CHRONO-THERMOSTAT

Weekly electronic chrono-thermostat with digital display.

- Battery power (no. 2 AA 1,5V batteries - not supplied)
- Operating mode: Auto, Comfort, Economy and OFF/ Frost protection
- Program range: 30 minutes
- Summer/Winter switch
- Wall mounting



Art. 7946

Code	€	box
7946	141,87	1

Art. 2653 TEMPERATURE GAUGE

Ø 40 mm bimetallic temperature gauge

- Temperature scale: 0÷80°C
- 36 mm sheath



Art. 2653

Code	€	box
2653 80	7,52	1

Mixed metering modules for heating systems

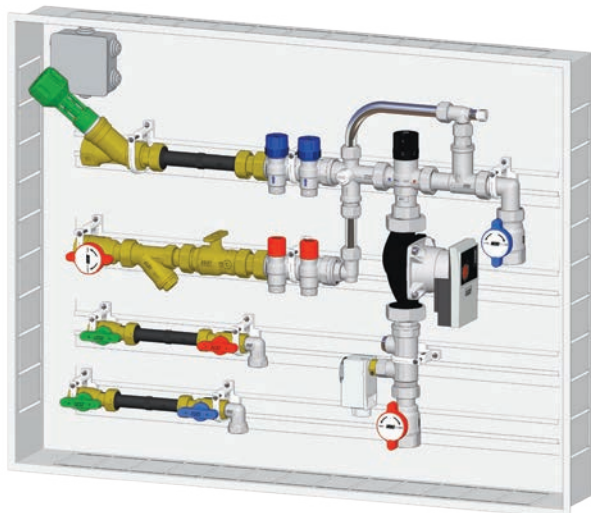
with high temperature connections and FIXED POINT regulating unit

Code	heat meter template	heating connection	domestic template	domestic connection	€	Code	voltage	opening time	€
2380 251500	110mm 1" M	1"	110mm 3/4" M	1/2"	1.298,17	3001 40	230 V	40 s	139,86
2380 251502	130mm 1" M	1"	110mm 3/4" M	1/2"	1.412,88	3002 40	24 V	40 s	139,86
2380 251503	130mm 1" M	1"	110mm 3/4" M	1/2"	1.440,04				
						Code	probe thread	€	
						2352	M10x1	1,12	

ATTENTION - Each code is made up of:

- ART. 2380 made up of metal box, manifolds, regulating unit, zone valves and shut-off valves and templates for plant test.
- ART. ART. 3001-3002 made up of zone valve actuator.
- ART. 2352 made up of seating for heat meter probe

Accessories for metering boxes on page 361



Art. 2380



Art. 3001-3002



Art. 2352

TECHNICAL FEATURES OF ART. 2380 COMPLETE WITH ARTS. 3001-3002 and ART. 2352

ZINC-COATED SHEET BOX complete with:

- Metal box 850x650x110(140) with sleeves and supports.
- Balancing valve.
- Test template for heat meter.
- Thermo-electric manifolds.
- Fixed point regulating unit.
- High efficiency 1-7 m. electronic pump
- Adjustable safety thermostat.
- Strainer.
- 2-way zone valve with 230V actuator.
- Shut-off valves.

METERING UNIT FOR DOMESTIC HOT WATER (ACS) complete with:

- N° 2 full bore shut-off ball valves.
- Inlet non-return valve.
- Test template for water meter.

METERING UNIT FOR DOMESTIC COLD WATER (AFS) complete with:

- N° 2 full bore shut-off ball valves.
- Inlet non-return valve.
- Test template for water meter.

Mixed metering module for heating systems with high temperature connections and modulating/regulating unit

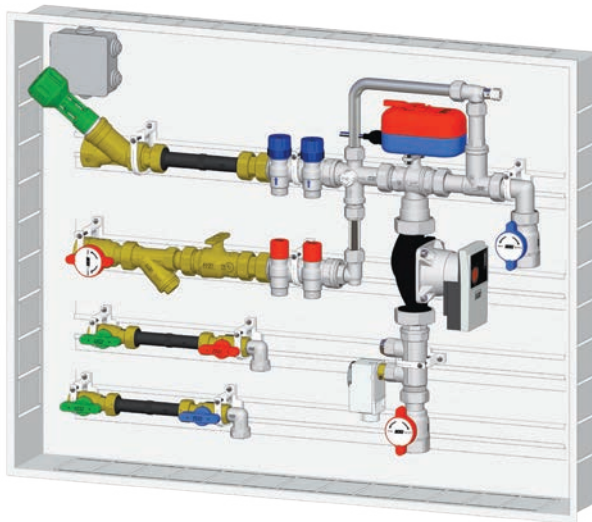
Code	outlets AT	heat meter template	heating connection	domestic template	domestic connection	€	Code	voltage	opening time	€
2381 251502	2	130mm 1" M	1"	110mm 3/4" M	1/2"	1.522,47	3001 40	230 V	40 s	139,86
2381 251503	3	130mm 1" M	1"	110mm 3/4" M	1/2"	1.549,65	3002 40	24 V	40 s	139,86

Code	probe thread	€
2352	M10x1	1,12

ATTENTION - Each code is made up of:

- ART. 2381 made up of metal box, manifolds, regulating unit, zone valves and shut-off valves and templates for plant test.
- ART. ART. 3001-3002 made up of zone valve actuator.
- ART. 2352 made up of seating for heat meter probe

Accessories for metering boxes on page 361



Art. 2381



Art. 3001-3002



Art. 2352

TECHNICAL FEATURES ART. 2381 COMPLETE WITH ARTS. 3001-3002 and ART. 2352

ZINC-COATED SHEET BOX complete with:

- Metal box 850x650x110(140) with sleeves and supports.
- Balancing valve.
- Test template for heat meter.
- Thermo-electric manifolds.
- Modulating/regulating unit with mixing valve and 230 V 3-point actuator
- High efficiency 1-7 m. electronic pump
- Adjustable safety thermostat.
- Strainer.
- 2-way zone valve with 230V actuator.
- Shut-off valves.

METERING UNIT FOR DOMESTIC HOT WATER (ACS) complete with:

- N° 2 full bore shut-off ball valves.
- Inlet non-return valve.
- Test template for water meter.

METERING UNIT FOR DOMESTIC COLD WATER (AFS) complete with:

- N° 2 full bore shut-off ball valves.
- Inlet non-return valve.
- Test template for water meter.

ACCESSORIES

Art. 9611 ELECTRONIC CONTROLLER

Electronic controller for heating systems:

- Climatic or set point operation
- easy interface
- pump control
- room thermostat inlet
- system control and safety functions
- complete with supply and external probe



Art. 9611

Code	€	box
9611	446,93	1

Art. 7946 ELECTRONIC CHRONO-THERMOSTAT

Weekly electronic chrono-thermostat with digital display.

- Battery power (no. 2 AA 1,5V batteries - not supplied)
- Operating mode: Auto, Comfort, Economy and OFF/ Frost protection
- Program range: 30 minutes
- Summer/Winter switch
- Wall mounting



Art. 7946

Code	€	box
7946	141,87	1

Art. 2355 FROST PROTECTION HEATING CABLE

Frost protection heating cable, constant power, complete with thermostat.

- Cable length: 3m (with schuko plug)
- Minimum installation temperature: -35°C
- Maximum installation temperature: 60°C
- Feed voltage: 230V
- Intervention temperature: Ton = +5°C Toff = +15°C
- Nominal power: 10 W/m



Art. 2355

Code	€	box
2355	99,75	1

Art. 2653 TEMPERATURE GAUGE

Ø 40 mm bimetallic temperature gauge

- Temperature scale: 0÷80°C
- 36 mm sheath

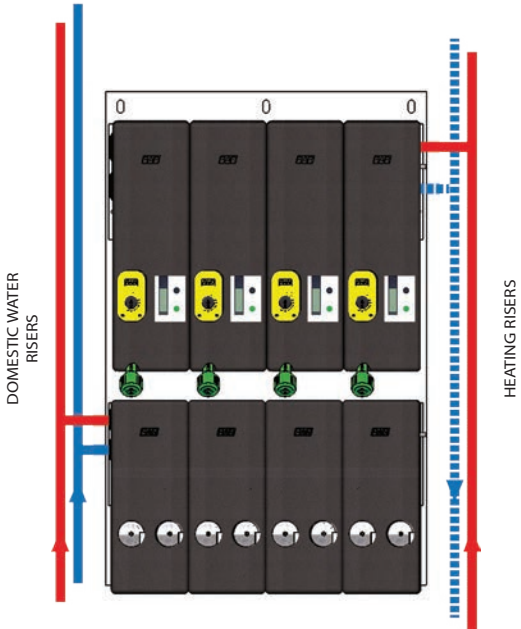


Art. 2653

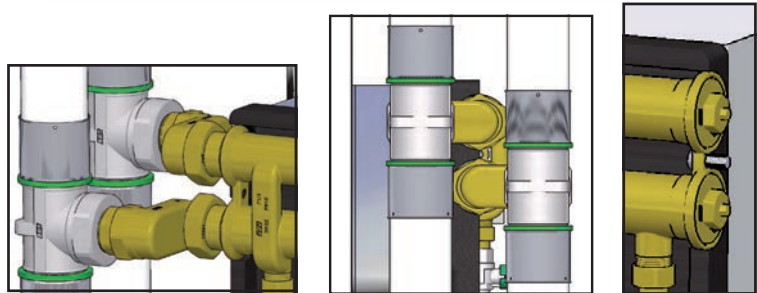
Code	€	box
2653 80	7,52	1

Vertical metering modules - Overview

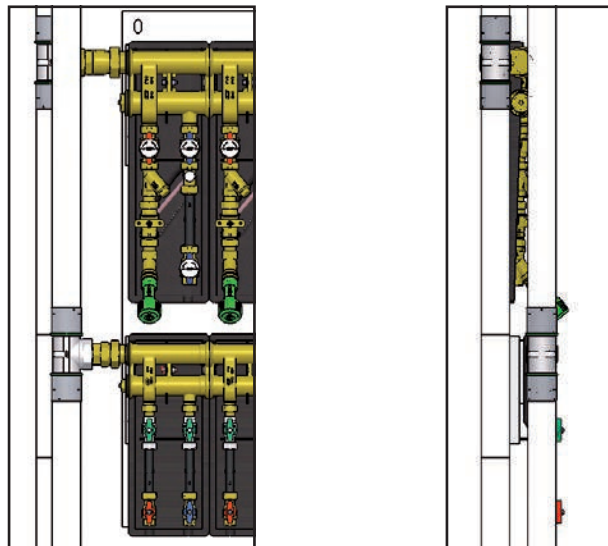
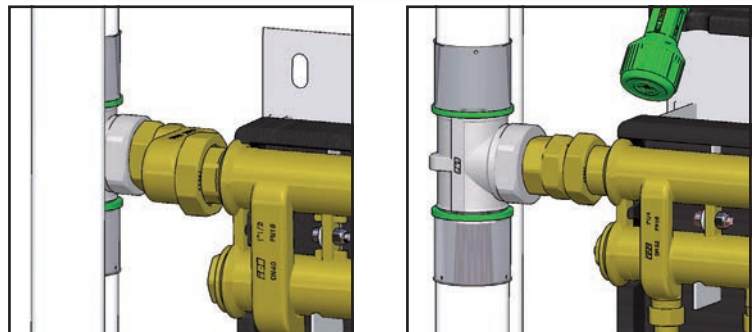
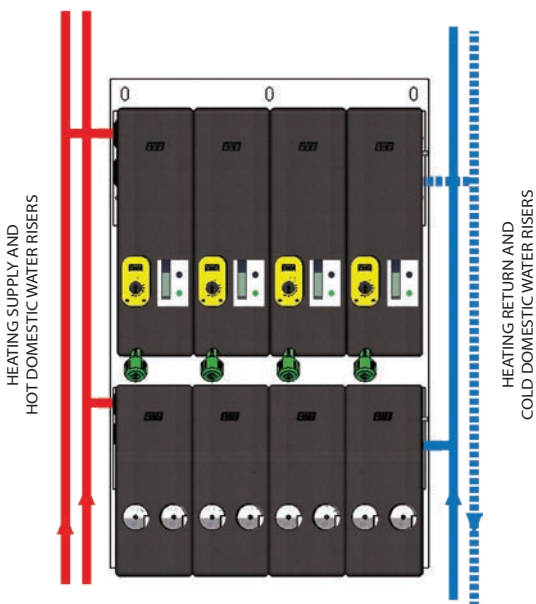
This page shows some examples of connection of vertical metering modules to distribution heating and domestic risers. The installer will choose the appropriate connection, according to the system installed in the building.



The diagram on the left shows an example of a system in which the heating risers are to one side of the plate and the domestic risers are on the other side. The figures below show the details of a connection of the manifolds to the distribution risers. The connections of domestic water risers are effected by means of 1"1/4 eccentric fittings, while the connections of supply and return risers for heating systems can be carried out by means of 1"1/2 eccentric fittings. Unused manifold ends can be closed by an appropriate end plug.



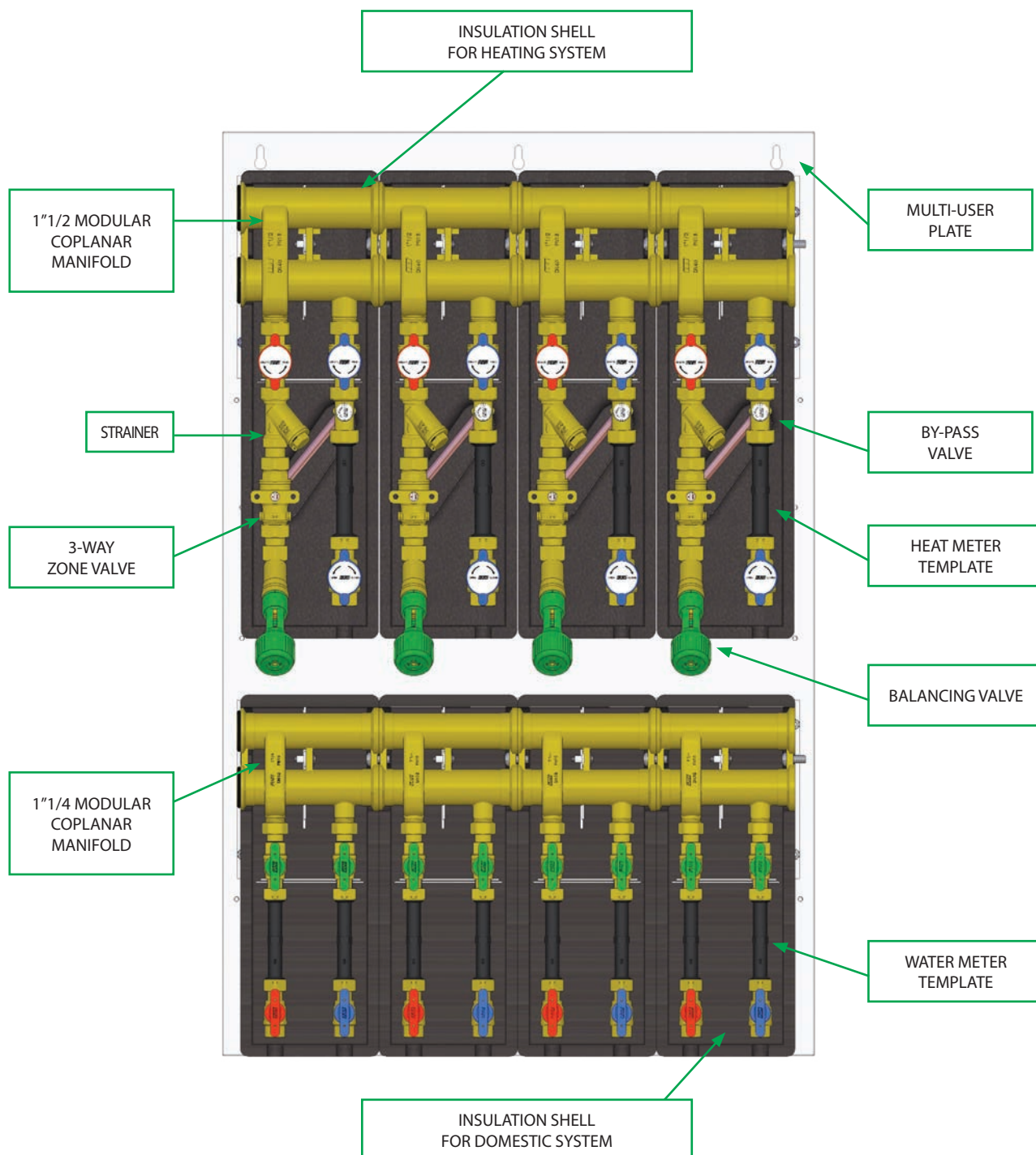
In other types of installations the heating supply and hot water risers are placed on one side of the plate, while the heating return and domestic cold water risers are placed on the opposite side. Therefore connection of the farthest riser can be effected by means of an eccentric fitting, while a three-piece or bent fitting can be used to connect the nearest one.



See the eccentric fitting, 3-piece fitting and end plug on page 353.

MULTI-USER PLATE COMPONENTS

Each metering module is made up of components shown in the below scheme.



Each user, both for heating and for sanitary system, is provided with upstream and downstream shut-off valves for any future maintenance or replacement of components.

Module for 2 users

Code	heat meter template	heating connection	domestic template	domestic connection	€
2361 02	130mm 1" M	3/4"	110mm 3/4" M	1/2"	1.579,68

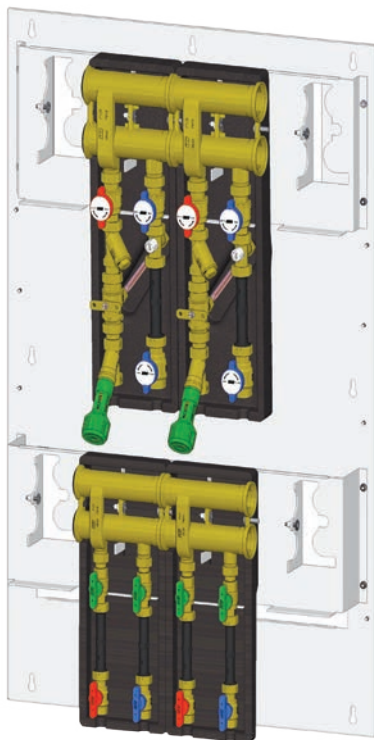
Code	voltage	opening time	€
3001 40	230 V	40 s	139,86
3002 40	24 V	40 s	139,86

Code	probe thread	€
2352	M10x1	1,12

ATTENTION - Each code is made up of:

- ART. 2361 02 made up of plate, modular coplanar manifolds, zone valves and shut-off valves and templates for plant test.
- ART. 3001-3002 made up of zone valve actuator.
- ART. 2352 made up of seating for heat meter probe

Accessories for metering boxes on page 369



Art. 2361 02



Art. 3001-3002



Art. 2352

TECHNICAL FEATURES ART. 2361 02 COMPLETE WITH ARTS. 3001-3002 and ART. 2352

METERING UNIT FOR HEATING/COOLING SYSTEMS complete with:

- 1"1/2 modular coplanar manifold
- N° 3+3 full bore ball shut-off valves.
- N° 2 3-way zone valves with adjustable by-pass, complete with 24/230V actuator and probe seating.
- N° 2 balancing valves and strainers.
- N° 2 templates for heat meters
- N° 2 insulation shells.

METERING UNITS FOR HOT AND COLD DOMESTIC WATER complete with :

- 1"1/4 modular coplanar manifold.
- N° 4 full bore ball shut-off valves.
- N° 4 shut-off valves with inlet non-return valve.
- N° 4 templates for water meter.
- N° 2 insulation shells.

Module for 3 users

Code	heat meter template	heating connection	domestic template	domestic connection	€
2361 03	130mm 1" M	3/4"	110mm 3/4" M	1/2"	2.369,64

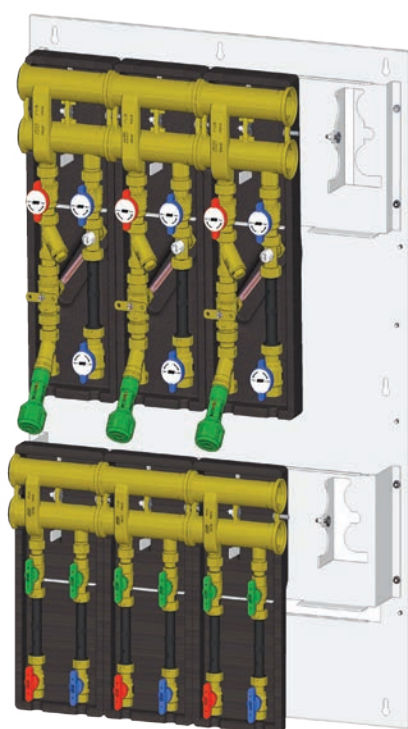
Code	voltage	opening time	€
3001 40	230 V	40 s	139,86
3002 40	24 V	40 s	139,86

Code	probe thread	€
2352	M10x1	1,12

ATTENTION - Each code is made up of:

- ART. 2361 03 made up of plate, modular coplanar manifolds, zone valves and shut-off valves and templates for plant test.
- ART. ART. 3001-3002 made up of zone valve actuator.
- ART. 2352 made up of seating for heat meter probe

Accessories for metering boxes on page 369



Art. 2361 03



Art. 3001-3002



Art. 2352

TECHNICAL FEATURES ART. 2361 03 COMPLETE WITH ARTS. 3001-3002 and ART. 2352

METERING UNIT FOR HEATING/COOLING SYSTEMS complete with:

- 1"1/2 modular coplanar manifold
- N° 3+3+3 full bore ball shut-off valves.
- N° 3 3-way zone valves with adjustable by-pass, complete with 24/230V actuator and probe seating.
- N° 3 balancing valves and strainers.
- N° 3 templates for heat meters
- N° 3 insulation shells.

METERING UNITS FOR HOT AND COLD DOMESTIC WATER complete with :

- 1"1/4 modular coplanar manifold.
- N° 6 full bore ball shut-off valves.
- N° 6 shut-off valves with inlet non-return valve.
- N° 6 templates for water meter.
- N° 3 insulation shells.

Module for 4 users

Code	heat meter template	heating connection	domestic template	domestic connection	€
2361 04	130mm 1" M	3/4"	110mm 3/4" M	1/2"	3.159,35

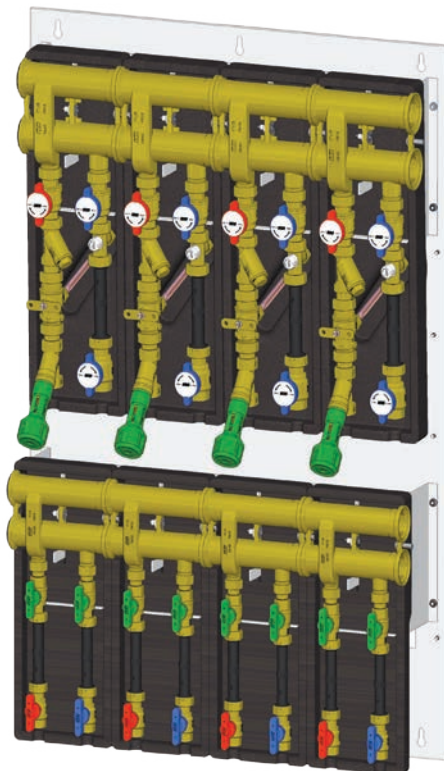
Code	voltage	opening time	€
3001 40	230 V	40 s	139,86
3002 40	24 V	40 s	139,86

Code	probe thread	€
2352	M10x1	1,12

ATTENTION - Each code is made up of:

- ART. 2361 04 made up of plate, modular coplanar manifolds, zone valves and shut-off valves and templates for plant test.
- ART. 3001-3002 made up of zone valve actuator.
- ART. 2352 made up of seating for heat meter probe

Accessories for metering boxes on page 369


Art. 2361 04

Art. 3001-3002

Art. 2352
TECHNICAL FEATURES ART. 2361 04 COMPLETE WITH ARTS. 3001-3002 and ART. 2352

METERING UNIT FOR HEATING/COOLING SYSTEMS complete with:

- 1"1/2 modular coplanar manifold
- N° 3+3+3+3 full bore ball shut-off valves.
- N° 4 3-way zone valves with adjustable by-pass, complete with 24/230V actuator and probe seating.
- N° 4 balancing valves and strainers.
- N° 4 templates for heat meters
- N° 4 insulation shells

METERING UNITS FOR HOT AND COLD DOMESTIC WATER complete with :

- 1"1/4 modular coplanar manifold.
- N° 8 full bore ball shut-off valves.
- N° 8 shut-off valves with inlet non-return valve.
- N° 8 templates for water meter.
- N° 4 insulation shells.

Module for 1 user

Code	heat meter template	heating connection	domestic template	domestic connection	€
2360 2515	130mm 1" M	3/4"	110mm 3/4" M	1/2"	610,63

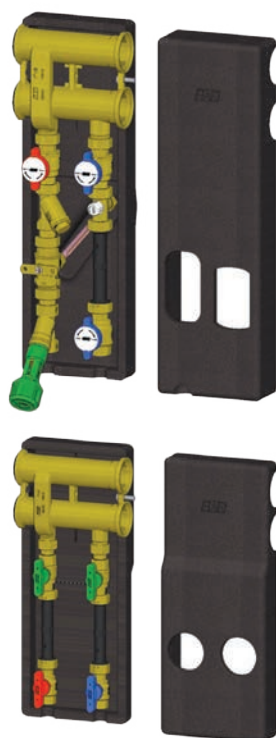
Code	voltage	opening time	€
3001 40	230 V	40 s	139,86
3002 40	24 V	40 s	139,86

Code	probe thread	€
2352	M10x1	1,12

ATTENTION - Each code is made up of:

- ART. 2360 2515 made up of plate, modular coplanar manifolds, zone valves and shut-off valves and templates for plant test.
- ART. ART. 3001-3002 made up of zone valve actuator.
- ART. 2352 made up of seating for heat meter probe

Accessories for metering boxes on page 369



Art. 2360 2515



Art. 3001-3002



Art. 2352

TECHNICAL FEATURES ART. 2360 COMPLETE WITH ARTS. 3001-3002 and ART. 2352

METERING UNIT FOR HEATING/COOLING SYSTEMS complete with:

- 1"1/2 modular coplanar manifold
- N° 3 full bore ball shut-off valves.
- N° 1 3-way zone valves with adjustable by-pass, complete with 24/230V actuator and probe seating.
- N° 1 balancing valves and strainers.
- N° 1 templates for heat meters
- N° 1 insulation shell.

METERING UNITS FOR HOT AND COLD DOMESTIC WATER complete with :

- 1"1/4 modular coplanar manifold.
- N° 2 full bore ball shut-off valves.
- N° 2 shut-off valves with inlet non-return valve.
- N° 2 templates for water meter.
- N° 1 insulation shells.

ACCESSORIES FOR MULTI-USER UNITS

Fittings

- 3-piece straight connection, brass version
- male-female connections



Art. 5140

Code	size	€	box
5140 114	1"1/4	17,09	1
5140 112	1"1/2	37,91	1

- Eccentric fitting, brass version
- male-female connections
 - 6 cm centre distance



Art. 5564

Code	size	€	box
5564 6114	1"1/4	31,90	1
5564 6112	1"1/2	46,52	1

- Terminal plug, brass version.
- body in CR (DZR) brass
 - sealing O-Ring

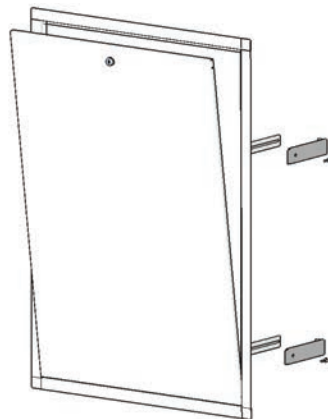


Art. 4149

Code	size	€	box
4149 114	1"1/4	4,76	1
4149 112	1"1/2	7,53	1

Cover for plate

- Cover for multi-user plate complete with fixing brackets and lock.
- Suitable for Art. 2361.



Art. 2362

Code	€	box
2362	190,16	1

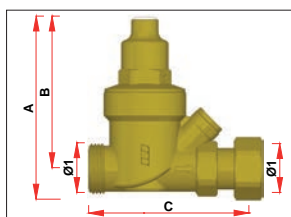
Art. 7479 COMPLETE BRACKET

- Bracket in stainless steel complete with screws for manifolds fixing.
- Suitable for Art. 2360.



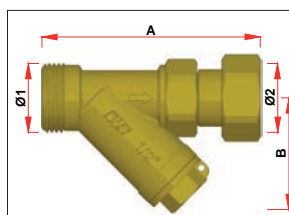
Art. 7479

Code	€	box
7479 80	13,59	1
7479 170	19,43	1



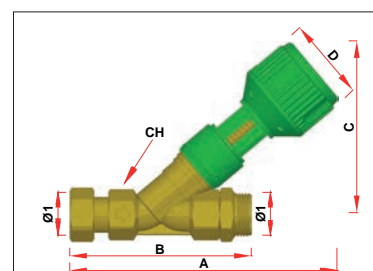
ART. 2357

CODE	Ø1	A	B	C
2357 12	G3/4	95	78	84
2357 34	G1	98	78	91



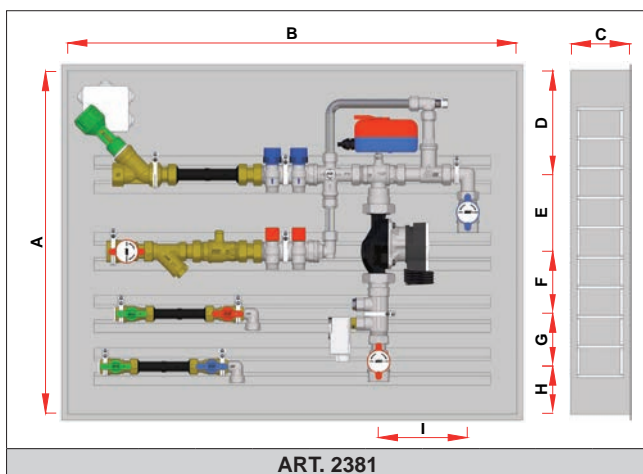
ART. 2328

CODE	Ø1	Ø2	A	B
2328 12	G3/4	G3/4	84	44
2328 34	G1	G1	98	52



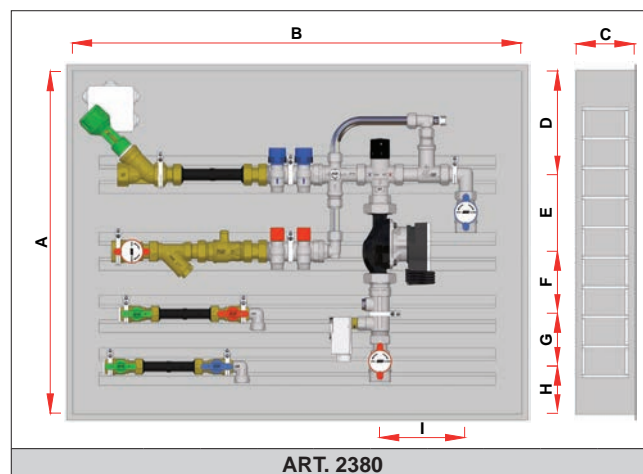
ART. 2329

CODE	Ø1	A	B	C	D	CH
2329 12	G3/4	164	111	105	52	28
2329 34	G1	186	127	122	52	33



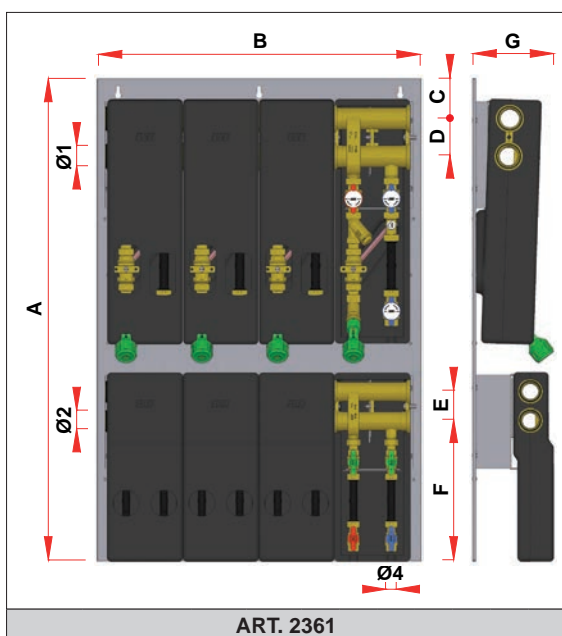
ART. 2381

CODE	A	B	C	D	E	F	G	H	I
2381 251502	650	850	110	197	145	118	100	90	169
2381 251503	650	850	110	197	145	118	100	90	169



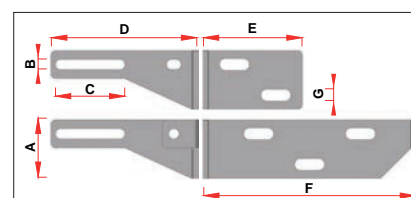
ART. 2380

CODE	A	B	C	D	E	F	G	H	I
2380 251502	650	850	110	197	145	118	100	90	163
2380 251503	650	850	110	197	145	118	100	90	163



ART. 2361

CODE	Ø1	Ø2	Ø3	Ø4	A	B	C	D	E	F	G
2361	G1 1/2	G1 1/4	G3/4	G1/2	1150	770	96	90	70	335	191



ART. 7479

CODE	A	B	C	D	E	F	G
7479 80	50	8	59	124	84	--	10
7479 170	50	8	59	124	--	180	10

GENERAL TERMS OF SALE

ORDERS

All orders are subject to confirmation by us and, therefore, do not commit us to the delivery, even partial, of the ordered material.

PRICES

In general, prices are considered to be not binding.
Refer to the terms set out in each offer issued by us.

FORWARDING

All goods travel at the buyer's risk and peril, even if delivered free. We are not liable for any delays, damages or shortages that may occur during delivery. Complaints must be addressed by the buyer to the shipping companies, or other forwarding agents.

GUARANTEE

All our products have a three-year guarantee starting from the date of purchase at our factory. This guarantee binds us only to the replacement of the faulty pieces, which must be returned to our factory and does not cover any consequential damage, or reimbursement of expenses. Also, we are absolutely not responsible for faults arising from any tampering with materials supplied by us during their installation, or utilization.

CLAIMS

No complaints will be considered after eight days from the receipt of the goods.

RETURNS

No article may be returned without our clear approval; authorized returns must arrive at the factory, where subject to our decision on each individual case, free carriage and 80% of their net sale price will be acknowledged, with the exception of any expense charged for customer carelessness. Return of material will be accepted if we consider them faulty even if the purchase dates back to over one year from the date of purchase, but only explicitly authorized by us.

PAYMENT

The terms are those set in our offers, or during negotiations with customers. In case of default in payment at maturity, a 10% interest will be added plus the official rate of discount and, furthermore, the seller will have the right to interrupt any other delivery, without prior notice, considering all the other orders in progress to be cancelled.

The competent court for any controversy is the Court of Novara.

DISCOUNT

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I PRODOTTI FAR SONO ASSICURATI DA:

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secondo le normative E.C.E. legge 24558 N. 224
del 24/05/1988 riguardanti le responsabilità del fabbricante per
qualsiasi danno derivante da prodotti difettosi



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