

- *Gerpex *Alpert *PE-Xa *PE-RT Pipes
- *Press fittings
- *Manifolds
- *Valf



Light your fire

We light up the fire of efficiency with high-performance heating systems. A range of quality and reliable solutions capable of meeting all the requirements of the heating and plumbing sector.



Be Natural

We have a natural tendency to protect the environment. This is why we support renewable energies with a range of photovoltaic systems and solar panels focusing on maximum energy savings.

EMMETI

Group strength



EMMETI

Emmeti was founded in 1976, initially marketing components for heating systems.

The shift to direct production, however, came soon after, in 1984, following the wishes of the company's founders, who are also its current directors.

In 1989 the air conditioning division was added. 100 professional agents, spread nationwide coordinated by 5 area managers, and 6 promoters, make up the Emmeti sales force.

EMMETI IBERICA

Emmeti Iberica was founded in 1993, initially marketing components for air conditioning systems.

The heating division was added in 1995. Today, Emmeti's Spanish enterprise operates across the complete range of hot and cold water supply sector, domestic and commercial and air conditioning, offering diversified, high-quality products.

These products are distributed throughout the country.

Emmeti Iberica, S.L.U.

Poligono Industrial Oeste, parcela 9/15
A - Apartado de correos n. 124
30169 San Ginés - Murcia - España
Telf. 968 808050 - Fax 968 972448
www.emmeti.es - e-mail: emmeti@emmeti.es

EMMETI FIV FRANCE

In order to move closer to better serve its French customers, Emmeti Fiv France was created in April 2001.

The sales director, office staff and professionals provide a sales and technical support network that ensures effective, prompt, service.

In addition, clients are kept up-to-date with the company's numerous initiatives and developments.

Emmeti Fiv France

LE FORUM EST - 48,
Boulevard des Coquibus Le Forum Est
91000 Evry - France
Tel. 01 69 91 44 50 - Fax 01 69 91 44 51
www.emmeti.fr - e-mail: info@emmeti.fr



Formed in 2004, its remit is to market and distribute from a UK base Emmeti group products, creating a sales and technical support network nationwide, excelling in customer service and product innovation.

Emmeti UK

6 Tannery Yard - Witney Street - Burford
Oxfordshire - OX18 4DW - UK
Tel. +44 (0) 1993 824900
Fax +44 (0) 1993 824990
www.emmeti.co.uk
e-mail: sales@emmeti.co.uk



Sfera Comercial is one of the newest sales arms of the group. Acquired in 2003, its headquarters are in Sao Paulo in Brazil. It has a distribution structure supported by 70 agents, with a widely spread presence throughout the Brazilian market, servicing more than 8,000 customers. Sfera Comercial distributes all Emmeti products in the hot water supply sector.

EMMETI NE was founded in 2014 with headquarters near Recife, and will be the benchmark for the states of the Northeast of Brazil.

Sfera Comercial Ltda

Rua Antonio Fonseca, 675 - Vila Maria
São Paulo/SP
Tel. +55 (11) 2955 4963 - 2967 2875
www.emmeti.com.br
e-mail: mais_info@emmeti.com.br



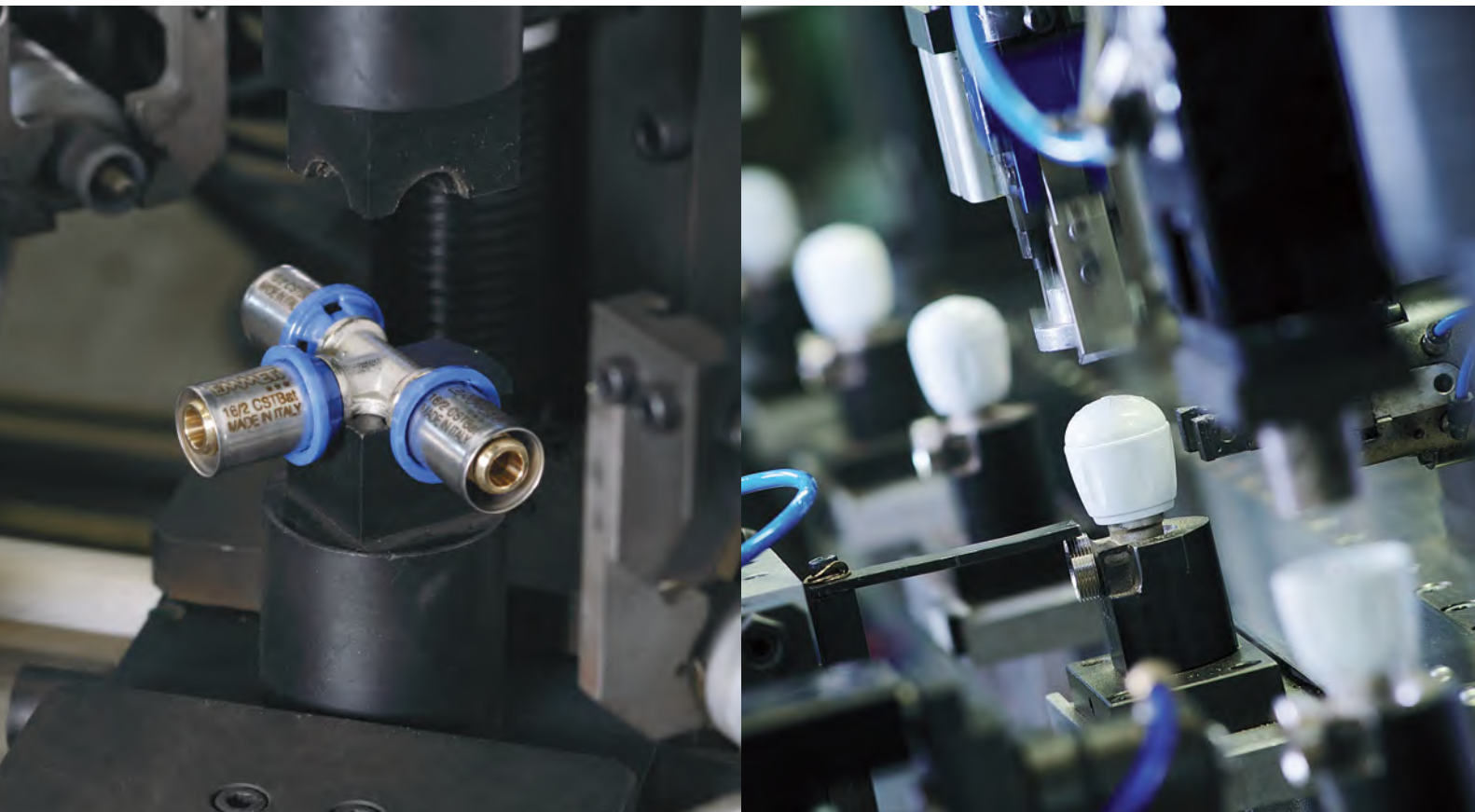
In 2012 Emmeti decides to invest in the Chinese market setting up a Representative Office in Beijing. The office is organized with a skilled employees structure and the main objectives are those to develop a strong distribution network around the Country and Emmeti's brand awareness, to technically support the sales distribution and to supply the best service for customer satisfaction.

Emmeti China

Room 719-721, No.5 Haiying Rd.
Zongbujidi - Fengtai District - Beijing
- China
Tel: 0086-10-63714682
Fax: 0086-10-63711083
e-mail: emmeti-china@emmeti.com

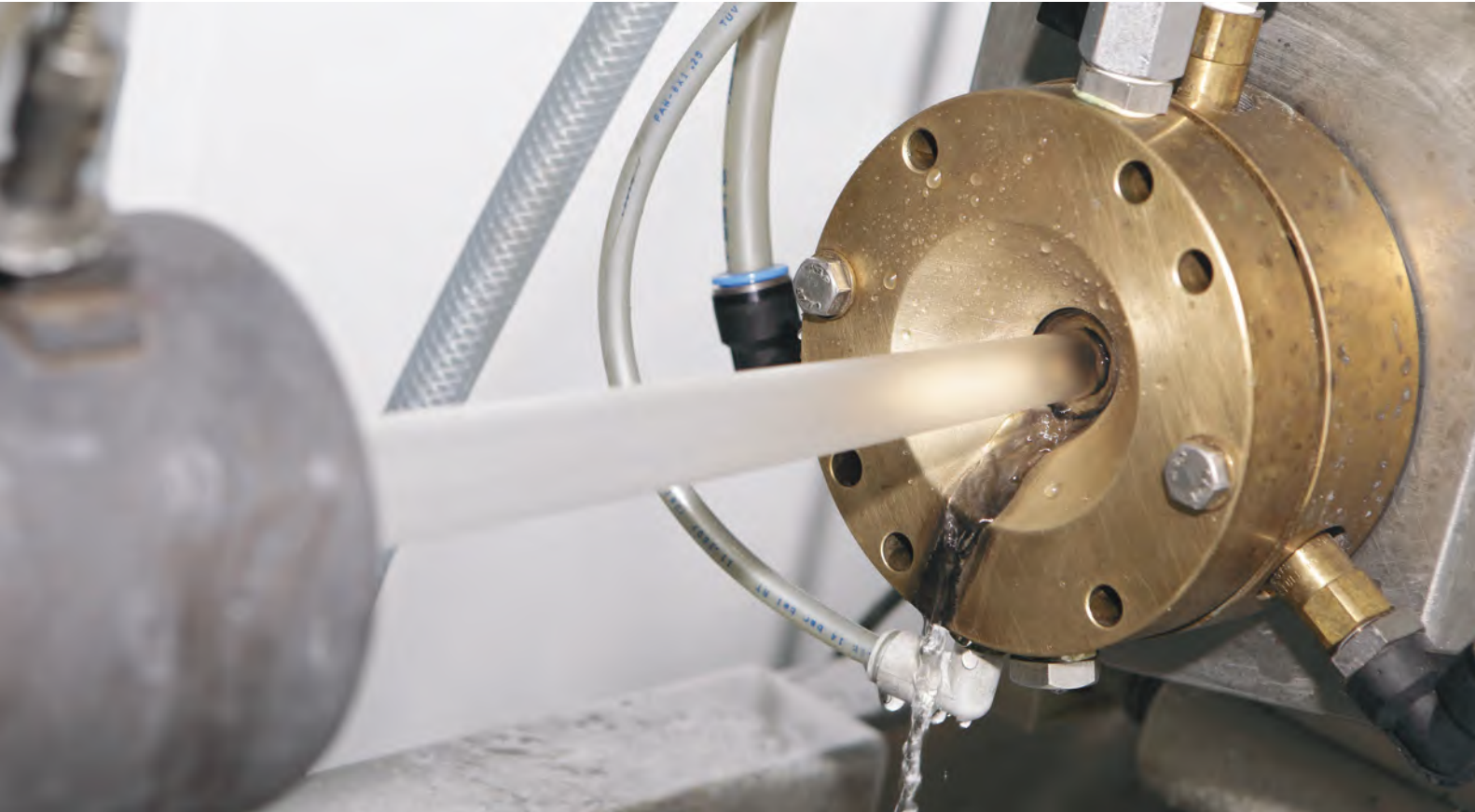


Vanguard “Made in Italy”



The entire production of EMMETI Group takes place in Italy, on a total area of 54,000 square meters. Plants in Brescia, an area of about 10,000 square meters, are made all the semi-finished products in brass and the hydraulic line, with the use of equipment and numerical control machines of the latest generation. By factories located in the province of Pordenone, instead leaving all the products of the line heating. In particular it is here that are installed production lines of the multilayer pipe, in a factory of 10,000 square meters, dedicated and newly built. The cycle ends in storage warehouses, where it is taken care of even the phase of the logistics group.

Made in Italy





Quality, environment, safety



The Emmeti policy for quality, safety and the environment is to work in compliance with the standards contained in the Manual of the Integrated Management System. These standards are effective tools for reaching the goals **of customer satisfaction and reduced environmental impact** by providing products and services that comply with specifications and procedures in respect of standards on quality, the environment and safety, known by and established with the customer, while upholding compliance with legal requirements. Emmeti works in field with a high impact in the energy field, and thus has the mission of being committed and dedicating resources to continuing technological re-search to improve its manufacturing processes and products in order to create energy savings.

These objectives are pursued in the form **of product quality, compliance with environmental legislation, prevention of pollution and safety** through:

- > research and development of innovative products that provide control of consumption with high energy efficiency and long life cycles, keeping ahead of upcoming legal obligations;
- > evaluation in advance of suppliers and supplies;
- > monitoring and continuous improvement of suppliers and supplies, so that the purchased products are compliant with agreed specifications in terms of times and methods;
- > prompt and effective service, also of a preventive nature, on non-conformities in terms of quality, environment and safety;
- > self-management of the internal manufacturing process, with planning and management of prevention-oriented maintenance;
- > effective check of finished product;
- > constant legislative monitoring,
- > managing of the environment effects.



Customer service through:

- > Pre-sales support with heat-engineering design studies.
On a daily basis, the Emmeti technical Promoters (internal and external) offer their consultancy on the choice and correct application of the Emmeti products in compliance with the technical standards and continuous development of the technologies.
- > A capillary technical support service for Emmeti products through internal personnel and authorized service centres trained directly by Emmeti.
To accompany the customer in the correct use of its products and never leave him to face a problem alone.
- > Prompt handling of the various requests (products and services), through suitable management of the information and company processes.

According to this Emmeti believes as crucial, in order to achieve the aims of the integrated system, the **motivation** and **involvement** of the company staff.

Updating of management processes with the implementation of annual improvement plans in the aims of environment, quality and safety, availability of necessary human resources and structures, cooperation with public authorities and communication with the local community. Emmeti, by means of the certifications of its quality and environmental management systems, confirms the international recognition of its commitment to continuous improvement in the quality and environmental performance of its business activities.

Thanks to the further advantages against its competitors the Company confirms a positioning ever more forefront in the market.



Company Certification



- 1997: Certified Quality System according to ISO 9002:1994
- 2002: Certified Quality System according to ISO 9001:2000
- 2003: Environmental System according to ISO 14001:1996
- 2006: Environmental System according to ISO 14001:2004
- 2009: Certified Quality System according to ISO 9001:2008

**COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =
= ISO 14001 =**

This standard requires continuous improvement in all ex-ecutive processes, from product and system design right through to marketing and technical support. For EMMETI, the principles expressed in this policy come before everything else. For this reason research and development are of fundamental importance within the company. The quality of EMMETI products is also recognised by various European standards institutes.

Products **Conformity** certificates



Germany



Europe/Italy



England UK



Europe/Italy



Europe/Italy



Russia



Europe/Germany

GÜTEZEICHEN



Europe/Germany



Europe/Italy



Our Divisions



Light your **fire**



Be **cool**



Be **natural**

We light up the fire of efficiency with high-performance heating systems.

A range of quality and reliable solutions capable of meeting all the requirements of the heating and plumbing sector.

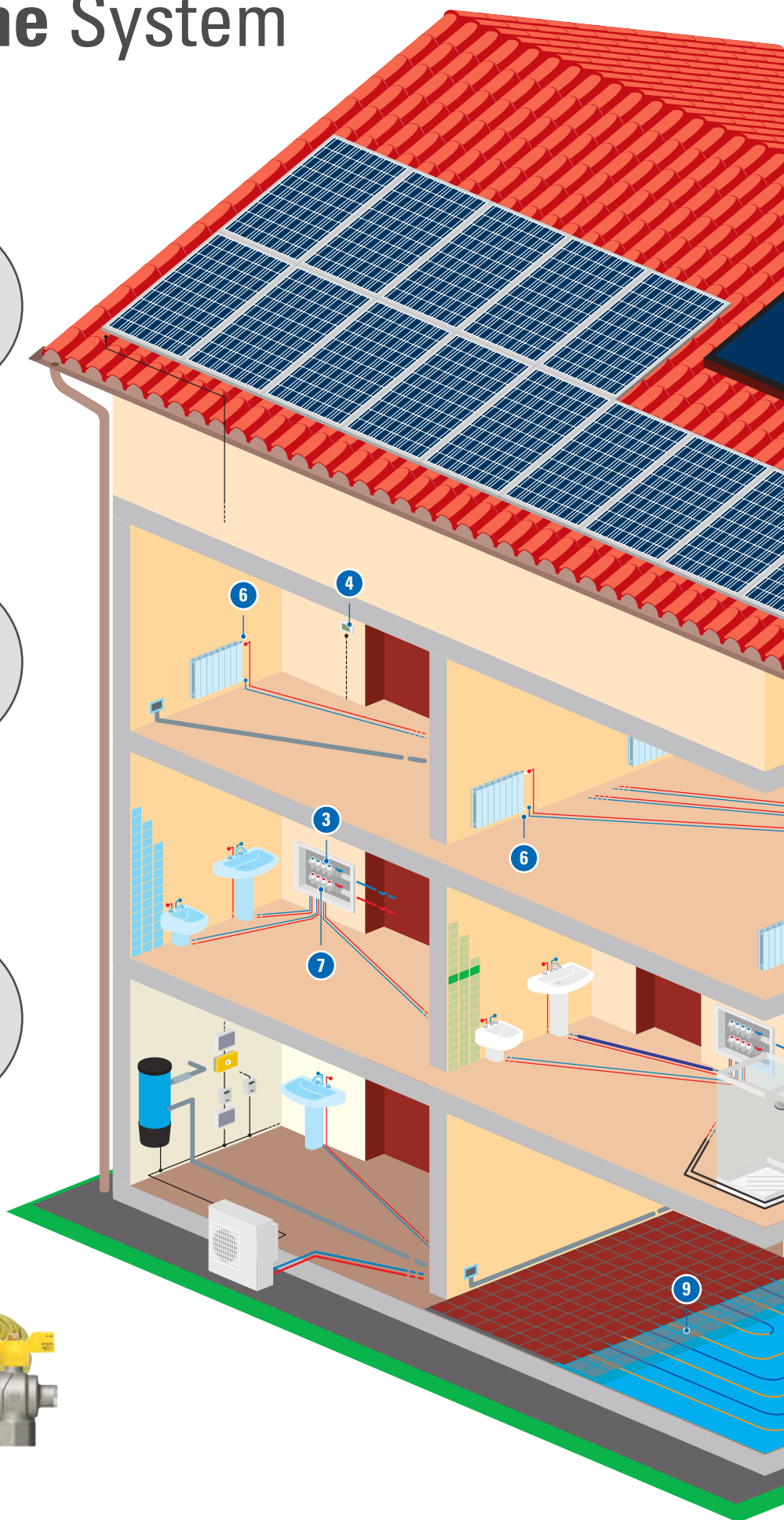
We have chosen a modern and cutting-edge approach as our cornerstone by offering highly efficient climate control systems: innovative, certified and patented technologies to ensure excellent levels of comfort.

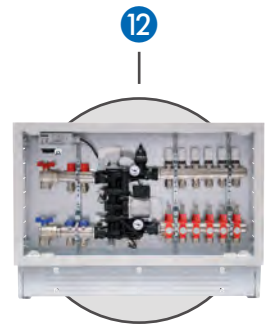
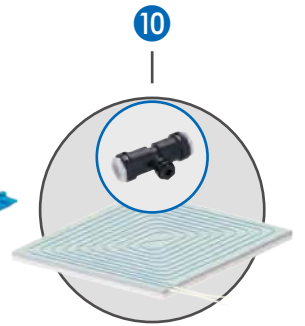
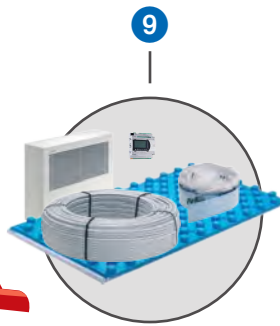
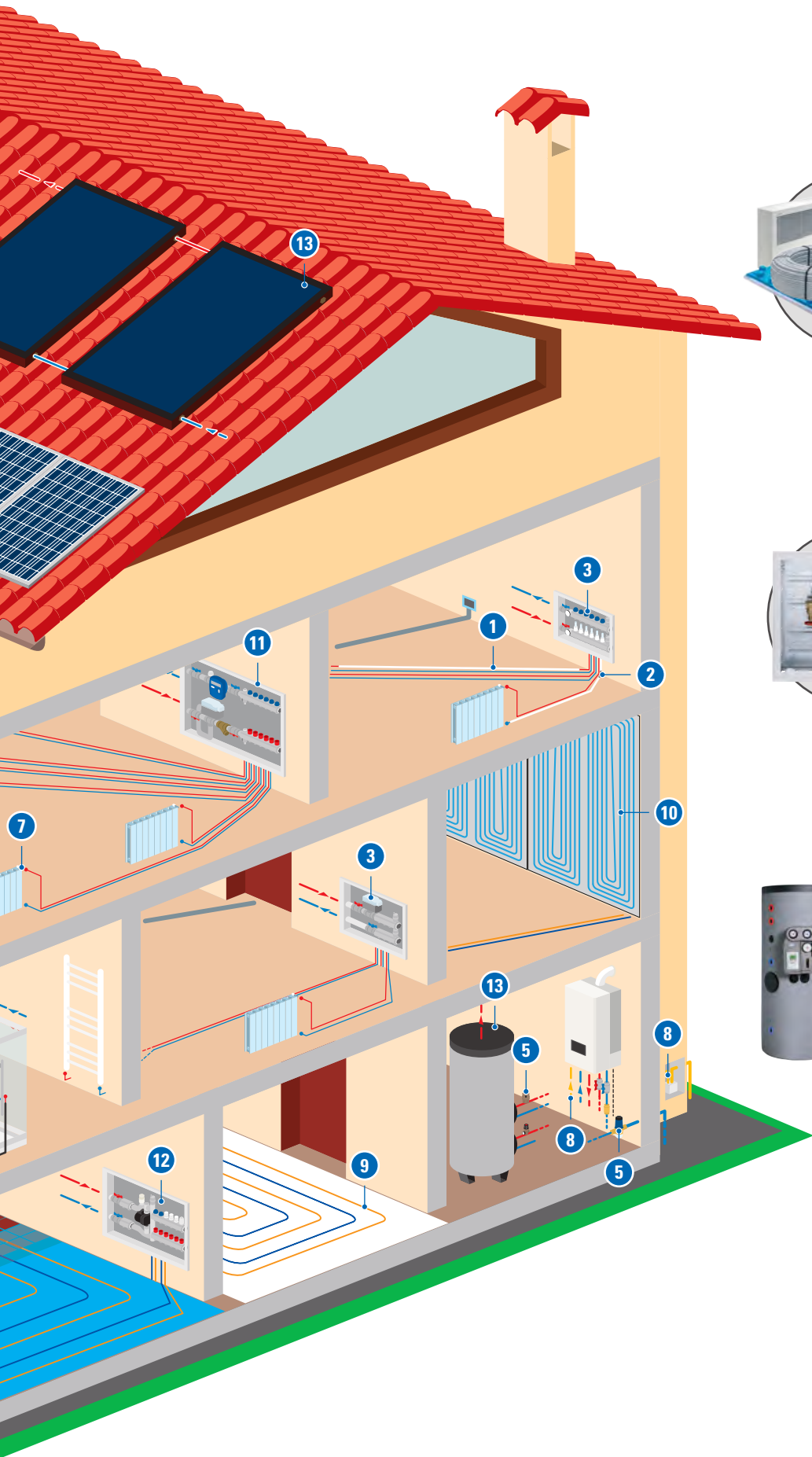
We have a natural tendency to protect the environment.

This is why we support renewable energies with a range of photovoltaic systems and solar panels focusing on maximum energy savings.

EMMETI

Emmeti Home System







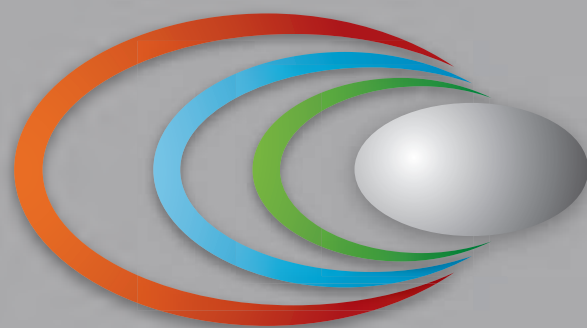
EMMETI STOCK

- 1 Pipe for heating and drinking water installations
- 2 Gerpex - Press fittings for multilayer pipes
- 3 Manifolds, boxes and motorized ball valves
- 4 Regulation and control
- 5 Heating unit components
- 6 Connection and control of heating units
- 7 Seals and screw fittings
- 8 Gas valves and multilayer system for domestic gas adduction systems

EMMETI HOME

- 9 Floor heating and cooling systems
- 10 Wall and ceiling heating and cooling systems
- 11 Regulation groups
- 12 Consumption measuring systems
- 13 Boilers, solar panels and accessories for solar systems
- 14 Technical attachments





EMMETI STOCK



Pipe for heating and drinking water installation





> Gerpex bare pipe   21

> Gerpex insulated pipe  21

> Gerpex RA bare pipe   22

> Gerpex RA insulated pipe   25

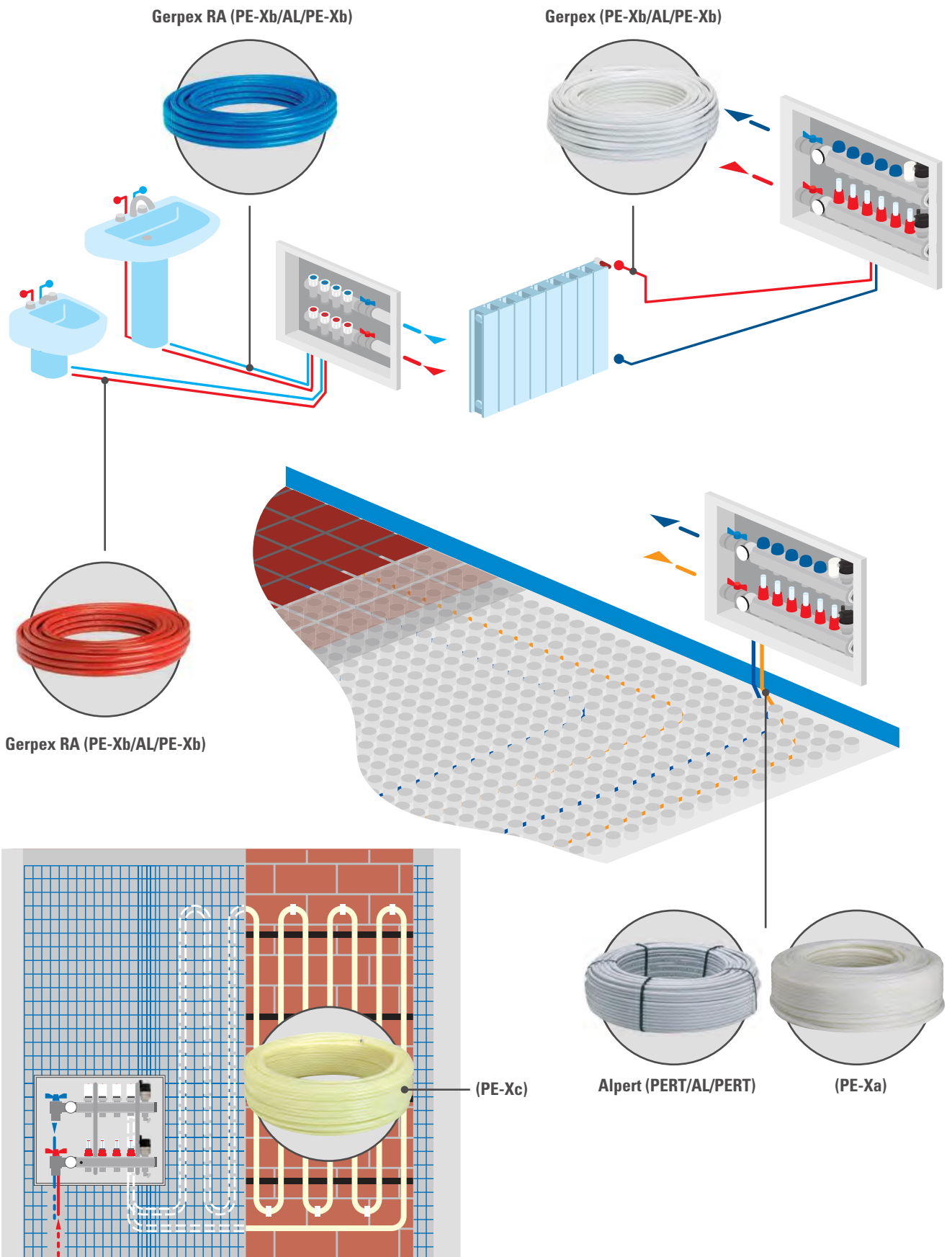
> Gerpex corrugated pipe   25

> Emmeti Alpert pipe  26

> PE-Xa pipe oxygen barrier  26

> PE-RT pipe oxygen barrier  27

Example of installation





Heating and sanitary delivery system



TECHNICAL SHEET 60

System ratings

Max operating temperature: 95 °C*
Max allowable working pressure: 10 bar
* for water-run systems.

In appliance to

> **UNI EN ISO 21003**
> **D.M. 174 (suitable for drink water)**

Fields of application

GerpeX is the modern and efficient Emmeti system used to build heating and sanitary systems with multilayer pipes, made from cross-linked polyethylene (PEX) and aluminium, and special fittings. The fittings are available in two different versions: press-fittings and screw-fittings. The wide range of fittings and the various fastening options make the GerpeX System a complete and highly reliable product.

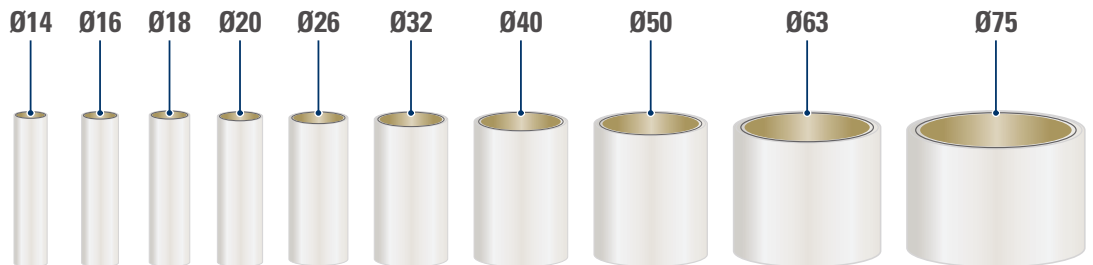
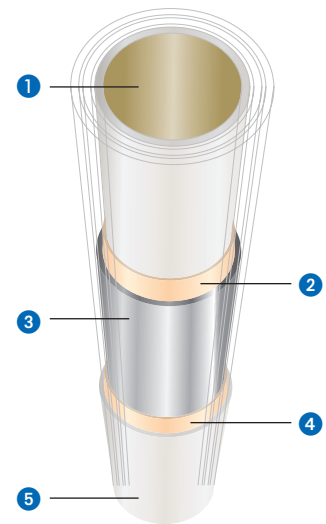
The GerpeX System is suitable for:

- Heating systems
- Chilled water air-conditioning systems
- Hydraulic systems
- Compressed air systems

For the transport of other fluids, please contact our Technical Support service for the suitable checks.

Gerpex pipe

Multi-layer pipe Gerpex



Construction

- 1 Cross-linked polyethylene inner pipe (PE-Xb).
- 2 Bonding layer connecting the inner pipe to the aluminium pipe.
- 3 Butt-welded aluminium pipe, thickness min 0,3 mm.
- 4 Bonding layer connecting the outer pipe to the aluminium pipe.
- 5 Cross-linked polyethylene outer pipe (PE-Xb), size 14-32.
High-density polyethylene outer pipe (PE-HD), size 40-75

Technical data Gerpex pipe

Classes of application (UNI ISO 21003): 2/10 bar, 5/10 bar
 Maximum operating temperature: 95 °C
 Maximum operating pressure: 10 bar
 Coefficient of linear expansion: 0,026 mm/m °C
 Thermal conductivity: 0,45 W/m °C
 Minimum radius of bending: 5 x Ø pipe
 Surface roughness of internal pipe: 7 µm
 Fire reaction class: E_L (EN 13501-1)

Technical data of insulating sheath

Material: Closed-cell expanded polyethylene, covered with a film in extruded LD-PE.
 Thermal conductivity (at 40 °C): ≤ 0.040 W/mK (UNI EN ISO 8497).
 Fire reaction class: 1 (UNI 9177); D₁-s2-d2 (EN 13501-1).
 Operating temperature: -20 °C ÷ 110 °C.
 Thickness of covering: Compliant with attachment B- TAB 1 of Presidential Decree 412/93 for pipes that run within structures that do not face onto the exterior, nor onto heated rooms.

Classification of the conditions of use (UNI ISO 21003) and regression curves: see section technical attachments



Multi-layer pipe Gerpex



Gerpex bare pipe

Size	Mts. pack	Code
16 x 2	100	28105000
NEW 20 x 2	200	28105002
20 x 2	100	28105004
NEW 26 x 3	50	28105006
NEW 32 x 3	50	28105008



Gerpex insulated pipe

Size	Insulation thickness	Mts. pack	Code
16 x 2	6 mm	100	28105100
16 x 2	6 mm	50	28105116
20 x 2	6 mm	50	28105104
20 x 2	9 mm	50	28105106
NEW 26 x 3	9 mm	50	28102882
NEW 32 x 3	9 mm	25	28102576

16x2 (6 mm) - 20x2 (9 mm) - 26x3 (9 mm) - 32x3 (9 mm):

Type installations C (see Insulation, section 5 Heating unit components)



Gerpex bare pipe in 4 mt bars

Size	Mts. pack	Code
16 x 2	96	28108000
20 x 2	96	28108004
NEW 26 x 3	40	28108006
NEW 32 x 3	28	28108008
40 x 3,5	20	28100090
50 x 4	20	28100092
63 x 4,5	12	28100094
75 x 5	12	28100070



Gerpex pipe with red corrugated sheath

NEW

Size	Mts. pack	Code
NEW 20 x 2 (*)	50	28102352
NEW 26 x 3 (*)	50	28102584

(*) Minimum order 5.000 meters. Available on request: 40/50 days to order confirm



Gerpex pipe with blue corrugated sheath

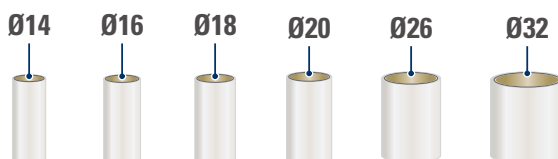
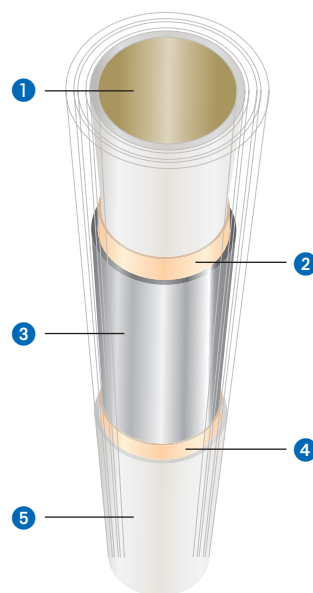
NEW

Size	Mts. pack	Code
20 x 2 (*)	50	28102362
26 x 3 (*)	50	28102594

(*) Minimum order 5.000 meters. Available on request: 40/50 days to order confirm

Gerpex RA pipe

Multi-layer pipe Gerpex RA



Construction

- 1 Cross-linked polyethylene inner pipe (PE-Xb).
- 2 Bonding layer connecting the inner pipe to the aluminium pipe.
- 3 Butt-welded aluminium pipe, thickness min 0,2 mm.
- 4 Bonding layer connecting the outer pipe to the aluminium pipe.
- 5 Cross-linked polyethylene outer pipe (PE-Xb).

Technical data Gerpex RA pipe

Classes of application (UNI ISO 21003): 2/10 bar, 5/10 bar
 Operating temperature: 0÷95 °C
 Max. pressure: 10 bar
 Coefficient of linear expansion: 0,026 mm/m °C
 Thermal conductivity: 0,45 W/m °C
 Minimum radius of bending: 5 x Ø pipe
 Surface roughness of internal pipe: 7 µm
 Fire reaction class: E₁ (EN 13501-1)

Technical data of insulating sheath

Material: Closed-cell expanded polyethylene, covered with a film in extruded LD-PE.
 Thermal conductivity (at 40 °C): ≤ 0,040 W/mK (UNI EN ISO 8497).
 Fire reaction class: 1 (UNI 9177); D₁-s2-d2 (EN 13501-1).
 Operating temperature: -20 °C ÷ 110 °C.
 Thickness of covering (UNI 10376): Compliant with attachment B- TAB 1 of Presidential Decree 412/93 for pipes that run within structures that do not face onto the exterior, nor onto heated rooms.

Gerpex RA Multi-layer pipe



Gerpex RA bare pipe

Size	Mts. pack	Code
14 x 2	100	28102314
16 x 2	100	28106000
16 x 2	200	28106010
16 x 2	500	28106050
18 x 2	100	28102318
20 x 2	100	28106004
20 x 2	200	28106002
26 x 3	50	28106006
32 x 3	50	28106008



Gerpex RA insulated pipe

Size	Insulation thickness	Mts. pack	Code
14 x 2 (*)	6 mm	50	28102336
14 x 2	6 mm	100	28102334
16 x 2	6 mm	50	28106108
16 x 2	6 mm	100	28106100
18 x 2 (*)	6 mm	50	28102340
18 x 2	6 mm	100	28102338
20 x 2	6 mm	50	28106104
20 x 2	9 mm	50	28106106
26 x 3	9 mm	50	28102880
32 x 3	9 mm	25	28102872

16x2 (6 mm) - 20x2 (9 mm) - 26x3 (9 mm) - 32x3 (9 mm): **Type installations C**
(see Insulation, section 5 Heating unit components)

(*) Items to be out of stock



Gerpex RA insulated pipe

Size	Insulation thickness	Mts. pack	Code
16 x 2 red	6 mm	100	28106140
16 x 2 blue	6 mm	100	28106142
20 x 2 red	6 mm	50	28106144
20 x 2 blue	6 mm	50	28106146

16x2 (6 mm): **Type installations C** (see Insulation, section 5 Heating unit components)



Gerpex RA insulated pipe

Size	Insulation thickness	Mts. pack	Code
16 x 2	10 mm	50	28102540
20 x 2	13 mm	50	28102542
26 x 3	13 mm	25	28102870
32 x 3	13 mm	25	28102874

20x2 (13 mm) - 26x3 (13 mm) - 32x3 (13 mm): **Type installations C**

16x2 (10 mm): **Type installations B** (see Insulation, section 5 Heating unit components)



Gerpex RA bare pipe in 4 mt bars

Size	Mts. pack	Code
16 x 2	96	28108010
20 x 2	96	28108014
26 x 3	40	28108016
32 x 3	28	28108018

Packaged in rigid protective pipe



Gerpex RA pipe with red corrugated sheath

Size	Mts. pack	Code
16 x 2	50	28102350
20 x 2	50	28102356
26 x 3 (*)	50	28102354

(*) Minimum order 5.000 meters. Available on request: 40/50 days to order confirm



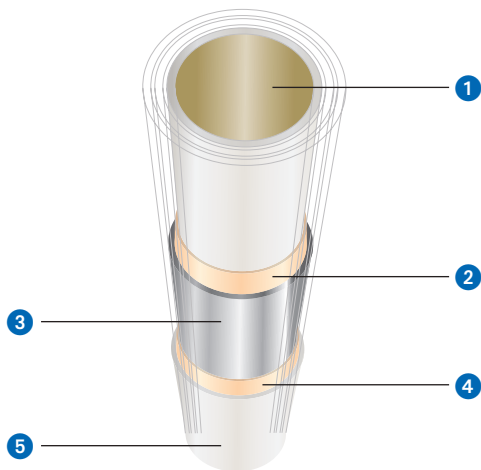
Gerpex RA pipe with blue corrugated sheath

Size	Mts. pack	Code
16 x 2	50	28102360
20 x 2	50	28102366
26 x 3 (*)	50	28102364

(*) Minimum order 5.000 meters. Available on request: 40/50 days to order confirm

Floor heating system pipes

Floor system pipes



UNI EN ISO 21003

Emmeti Alpert pipe

DN16

Classes of application (UNI EN ISO 21003 / Operating pressures (bar): 2/10 bar, 5/10 bar - Maximum operating temperature: 70 °C - Maximum operating pressure: 10 bar - Thermal conductivity: 0,45 W/m K - Coefficient of linear expansion: 0,026 mm/m °C - Minimum radius of bending: 5 x D pipe - Pipe roughness: 7 µm - Water capacity: 0,11 l/m - Application: heating / sanitary plants

DN20

Classes of application (UNI EN ISO 21003 / Operating pressures (bar): 2/10 bar, 5/10 bar - Maximum operating temperature: 70 °C - Maximum operating pressure: 10 bar - Thermal conductivity: 0,45 W/m K - Coefficient of linear expansion: 0,026 mm/m °C - Minimum radius of bending: 5 x D pipe - Pipe roughness: 7 µm - Water capacity: 0,2 l/m - Application: heating / sanitary plants

Construction

- 1 Inner pipe PE-RT
- 2 Bonding layer connecting the inner pipe to the aluminium pipe
- 3 Horizontal-roller-position welding
- 4 Bonding layer connecting the outer pipe to the aluminium pipe
- 5 External pipe PE-RT

Size	Mts. pack	Code
16 x 2	100	28107002
16 x 2	200	28107000
16 x 2	500	28107004
20 x 2	100	28107016
20 x 2	240	28107018

Multi-layer pipe for thermosanitary system, in appliance to UNI EN ISO 21003 and made from composite material using a technologically advanced processing during which PE-RT (polyethylene of raised temperature resistance) pipe is coupled with a 0.2 mm (DN16) or 0.25 mm (DN20) thick aluminium core, soldered at the head and externally coated with another layer of PE-RT.



UNI EN ISO 15875-2

PE-Xa pipe with oxygen barrier

DN17

Classes of application / Operating pressures (bar): Cl. 4/6 bar - Cl. 5/6 bar - Oxygen permeability: < 0.1 g/m³ 24h - Density: 0.95 gr/m³ - Degree of reticulation: ≥70% - Softening temperature: 135 °C - Breaking load: 18 MPa - Thermal conductivity: 0.41 W/mK - Average coefficient of linear expansion: 0.14 mm/m °C - Minimum bending radius: 5 x D pipe - Internal roughness: 7 µm - Water capacity: 0,133 l/m - Application: heating systems (not suitable for plumbing systems)

DN 20 - DN 25

Classes of application / Operating pressures (bar): Cl. 4/6 bar - Cl. 5/6 bar - Oxygen permeability: < 0.1 g/m³ 24h - Density: 0.95 gr/m³ - Degree of reticulation: ≥70% - Softening temperature: 135 °C - Breaking load: 18 MPa - Thermal conductivity: 0.41 W/mK - Average coefficient of linear expansion: 0.14 mm/m °C - Minimum bending radius: 5 x D pipe - Internal roughness: 7 µm - Water capacity: 0,201 l/m (20x2) - Water capacity: 0,327 l/m (25x2,3) - Application: heating systems

Size	Mts. pack	Code
17 x 2 mm	240	28130674
17 x 2 mm	600	28130676
20 x 2 mm	500	28130684
25 x 2,3 mm	500	28130686

Pipe in high-density polyethylene, with peroxide crosslinking, certified according to standards UNI EN ISO 15875/2 and provided with an oxygen barrier in conformity with standard DIN 4726.

Underfloor pipes



UNI EN ISO 15875-2

PE-RT pipe with EVOH oxygen barrier

Classes of application / Operating pressure (bar): Cl. 4/8 bar - Cl. 5/6 bar
Oxygen permeability (DIN 4726): < 0.1 mg/(m²d) at 40 °C; < 0.34 mg/(m²d) at 80 °C
Density: 950 kg/m³
Thermal conductivity: 0,4 W/mK
Average coefficient of linear expansion: 0.18 mm/m °C
Minimum bending radius: 5 x D pipe
Internal roughness: 7 µm
Water capacity: 0.11 l/m
Application: heating systems (not suitable for plumbing systems)

Dimension	Mts. pack	Code
16 x 2 red (*)	200-400	28130880
20 x 2 red (*)	300	28130882
16 x 2 blue (*)	400	28130884
20 x 2 blue (*)	300	28130886

Pipe in PERT Type II complying with ISO 22391-2 and provided with an oxygen barrier in conformity with standard DIN 4726.

Suitable for:

- Monoblocco compression fittings 24x19, code 28110118 (16x2) and code 28110446 (20x2)
- Monoblocco compression fittings ¾" Eurocone, code 28100792 (16x2) and code 28100798 (20x2)
- 3 pieces compression fitting 24x19, code 28110506 (16x2)
- 3 pieces compression fittings ¾" Eurocone, code 28110792 (16x2) and code 28110798 (20x2)

Lead time: 30 days

(*) Items available on request and for minimum lots.



Gerpex

Press fittings for multilayer pipes

> Gerpex Press fittings



31

> Gerpex Valve for built-in application



38

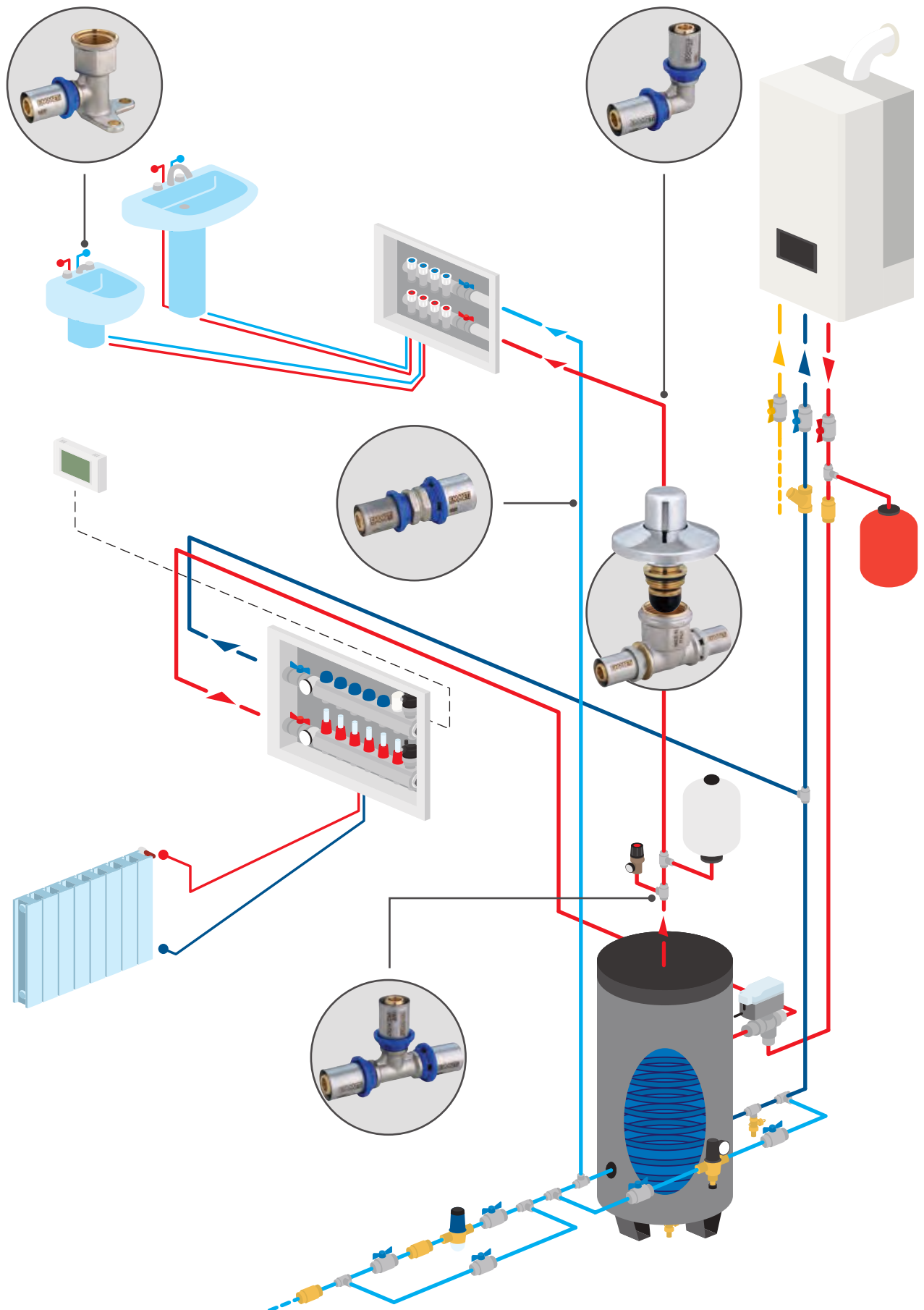
> Gerpex Tooling



40

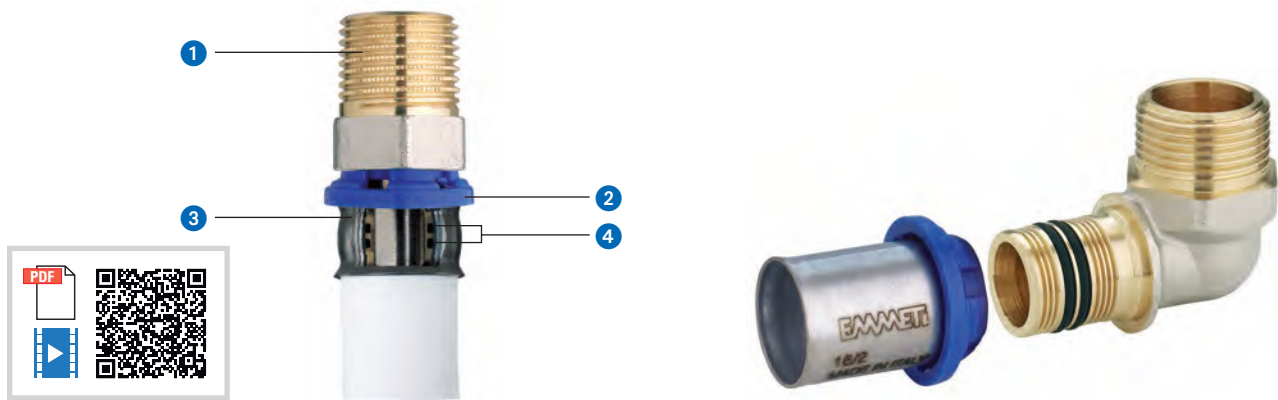


Example of installation





Press fittings



TECHNICAL SHEET 60

Construction

- 1 CW617N (UNI EN 12165) and CW614N (UNI EN 12164) brass body*. Threads: UNI EN ISO 228-1, UNI EN 10226.
- 2 Nylon sleeve ring, dielectric
- 3 AISI 304 stainless steel sleeve
- 4 EPDM dual o-ring

* Nickel-plated only on surface non in contact with fluides; availability after exhaustion of totally nickel-plated versions.

Press fittings Gerpex



Female connecting elbow

Size	Profile	Pcs. pack	Code
16 x 1/2"	B (KSP1)	10	28101330
18 x 1/2"	B (KSP1)	10	28101332
20 x 1/2"	B (KSP1)	10	28101334
20 x 3/4"	B (KSP1)	10	28101335
26 x 3/4"	B (KSP1)	5	28101336
32 x 1"	B (KSP1)	5	28101484



Female elbow, flanged elbow

Size	Profile	H mm	Pcs. pack	Code
16 x 1/2"	B (KSP1)	48	10	28101300
16 x 1/2"	B (KSP1)	68	10	28116202
18 x 1/2"	B (KSP1)	52,5	10	28101302
20 x 1/2"	B (KSP1)	48	10	28101304
20 x 1/2"	B (KSP1)	68	10	28116206
20 x 3/4"	B (KSP1)	56	10	28101696
26 x 3/4"	B (KSP1)	56	10	28101698

Press fittings



Male connecting elbow

Size	Profile	Pcs. pack	Code
16 x 1/2"	B (KSP1)	10	28101342
18 x 1/2"	B (KSP1)	10	28101344
20 x 1/2"	B (KSP1)	10	28101346
20 x 3/4"	B (KSP1)	10	28101347
26 x 3/4"	B (KSP1)	5	28101348
32 x 1"	B (KSP1)	5	28101482
40 x 1"1/4	TH (KSP11)	1	28115150
50 x 1"1/2	TH (KSP11)	1	28115160
63 x 2"	TH (KSP11)	1	28115170
63 x 2" (*)	F (KSP2)	1	28111670

(*) Item to be out of range



Intermediate elbow

Size	Profile	Pcs. pack	Code
16 x 16	B (KSP1)	10	28101352
18 x 18	B (KSP1)	10	28101354
20 x 20	B (KSP1)	10	28101356
26 x 26	B (KSP1)	5	28101358
32 x 32	B (KSP1)	5	28101480
40 x 40	TH (KSP11)	1	28115200
50 x 50	TH (KSP11)	1	28115210
63 x 63	TH (KSP11)	1	28115220
75 x 75	TH (KSP11) (**)	1	28115540

(**) Compatible profile F (KSP2)



Intermediate elbow 45°

Size	Profile	Pcs. pack	Code
40 x 40	TH (KSP11)	1	28101720
50 x 50	TH (KSP11)	1	28101722
63 x 63	TH (KSP11)	1	28101724
75 x 75	TH (KSP11) (**)	1	28115542

(**) Compatible profile F (KSP2)



Straight with swivel nut, o-ring fitting

Size	Profile	Pcs. pack	Code
Ø 14 - 24x19 (*)	B (KSP1)	10	28101649
Ø 16 - 24x19	B (KSP1)	10	28101650
Ø 18 - 24x19 (*)	B (KSP1)	10	28101652
Ø 20 - 24x19	B (KSP1)	10	28101654
Eurocone 3/4"	B (KSP1)	10	28101656
Eurocone 3/4"	B (KSP1)	10	28101658

(*) Item to be out of range



Straight with swivel nut, flat seal

Size	Profile	Pcs. pack	Code
16 x 3/8"	B (KSP1)	10	28101651
16 x 1/2"	B (KSP1)	10	28102600
16 x 3/4"	B (KSP1)	10	28102598
20 x 1/2"	B (KSP1)	10	28102608
20 x 3/4"	B (KSP1)	10	28102606
26 x 3/4"	B (KSP1)	5	28102612
26 x 1"	B (KSP1)	5	28102610
32 x 1"	B (KSP1)	5	28102614
32 x 1"1/4	TH (KSP11)	1	28102620
40 x 1"1/2	TH (KSP11)	1	28102622
50 x 2"	TH (KSP11)	1	28102624
63 x 2"1/2	TH (KSP11)	1	28102626



Intermediate Tee joint

Size	Profile	Pcs. pack	Code
16 x 16 x 16	B (KSP1)	5	28101362
18 x 18 x 18	B (KSP1)	5	28101364
20 x 20 x 20	B (KSP1)	5	28101366
26 x 26 x 26	B (KSP1)	5	28101368
32 x 32 x 32	B (KSP1)	5	28101490
40 x 40 x 40	TH (KSP11)	1	28115250
50 x 50 x 50	TH (KSP11)	1	28115260
63 x 63 x 63	TH (KSP11)	1	28115270
75 x 75 x 75	TH (KSP11) (**)	1	28115544
40 x 40 x 40 (*)	F (KSP2)	1	28111590
63 x 63 x 63 (*)	F (KSP2)	1	28111672

(*) Item to be out of range

(**) Compatible profile F (KSP2)



Intermediate Tee joint with female branching

Size	Profile	Pcs. pack	Code
16 x 1/2" x 16	B (KSP1)	5	28101400
16 x 3/4" x 16	B (KSP1)	5	28101401
18 x 3/4" x 18 (*)	B (KSP1)	5	28101403
20 x 1/2" x 20	B (KSP1)	5	28101404
20 x 3/4" x 20	B (KSP1)	5	28101405
26 x 1/2" x 20	B (KSP1)	5	28101700
26 x 1/2" x 26	B (KSP1)	5	28101702
26 x 3/4" x 26	B (KSP1)	5	28101408
32 x 3/4" x 32	B (KSP1)	5	28101494
32 x 1" x 32	B (KSP1)	5	28101496
40 x 3/4" x 40	TH (KSP11)	1	28115350
40 x 1" x 40	TH (KSP11)	1	28115360
40 x 1"1/4 x 40	TH (KSP11)	1	28115530
50 x 3/4" x 50	TH (KSP11)	1	28115370
50 x 1" x 50	TH (KSP11)	1	28115380
50 x 1"1/4 x 50	TH (KSP11)	1	28115532
63 x 1" x 63	TH (KSP11)	1	28115390
63 x 1"1/4 x 63	TH (KSP11)	1	28115400
75 x 1" x 75	TH (KSP11) (**)	1	28115550
40 x 3/4" x 40 (*)	F (KSP2)	1	28111610
40 x 1" x 40 (*)	F (KSP2)	1	28111704
50 x 3/4" x 50 (*)	F (KSP2)	1	28111612
63 x 1"1/4 x 63 (*)	F (KSP2)	1	28111678

(*) Item to be out of range

(**) Compatible profile F (KSP2)



Intermediate Male TEE

Size	Profile	Pcs. pack	Code
16 x 1/2" x 16	B (KSP1)	5	28101410
20 x 1/2" x 20	B (KSP1)	5	28101414
20 x 3/4" x 20	B (KSP1)	5	28101415
26 x 3/4" x 26	B (KSP1)	5	28101418

Press fittings



Intermediate reducing Tee joint

Size	Profile	Pcs. pack	Code
16 x 18 x 16 (*)	B (KSP1)	5	28101371
16 x 20 x 16	B (KSP1)	5	28101396
18 x 26 x 18 (*)	B (KSP1)	5	28101369
20 x 16 x 16	B (KSP1)	5	28101382
20 x 16 x 20	B (KSP1)	5	28101372
20 x 20 x 16	B (KSP1)	5	28101385
20 x 26 x 20	B (KSP1)	5	28101398
20 x 32 x 20	B (KSP1)	5	28101503
26 x 16 x 20	B (KSP1)	5	28101386
26 x 16 x 26	B (KSP1)	5	28101376
26 x 20 x 16	B (KSP1)	5	28101388
26 x 20 x 20	B (KSP1)	5	28101390
26 x 20 x 26	B (KSP1)	5	28101379
26 x 26 x 16	B (KSP1)	5	28101391
26 x 26 x 20	B (KSP1)	5	28101392
26 x 32 x 26	B (KSP1)	5	28101499
32 x 16 x 32	B (KSP1)	5	28101497
32 x 20 x 20	B (KSP1)	5	28101501
32 x 20 x 26	B (KSP1)	5	28101508
32 x 20 x 32	B (KSP1)	5	28101502
32 x 26 x 20	B (KSP1)	5	28101495
32 x 26 x 26	B (KSP1)	5	28101509
32 x 26 x 32	B (KSP1)	5	28101506
32 x 32 x 16	B (KSP1)	5	28101493
32 x 32 x 20	B (KSP1)	5	28101504
32 x 32 x 26	B (KSP1)	5	28101507
40 x 26 x 32	TH (KSP11) ⁽¹⁾ / ₍₂₎	1	28115518
40 x 26 x 40	TH (KSP11) ⁽¹⁾	1	28115514
40 x 32 x 32	TH (KSP11) ⁽²⁾	1	28115516
40 x 32 x 40	TH (KSP11) ⁽¹⁾	1	28115300
40 x 40 x 32	TH (KSP11) ⁽²⁾	1	28115520
50 x 26 x 50	TH (KSP11) ⁽¹⁾	1	28115522
50 x 32 x 50	TH (KSP11) ⁽¹⁾	1	28115320
50 x 40 x 40	TH (KSP11)	1	28115524
50 x 40 x 50	TH (KSP11)	1	28115310
50 x 50 x 32	TH (KSP11) ⁽²⁾	1	28115526
50 x 50 x 40	TH (KSP11)	1	28115528
63 x 50 x 63	TH (KSP11)	1	28115330
75 x 40 x 75	TH (KSP11) (**)	1	28115546
75 x 50 x 75	TH (KSP11) (**)	1	28115548
50 x 32 x 50 (*)	F (KSP2)	1	28111604
63 x 50 x 63 (*)	F (KSP2)	1	28111674

⁽¹⁾ Profile 26x3: B (KSP1)

⁽²⁾ Profile 32x3: B (KSP1)

(*) Item to be out of range

(**) 75x5 takeoffs: compatible profile F (KSP2)



Vertical intermediate union joint

Size	Profile	Pcs. pack	Code
14 x 14	B (KSP1)	10	28101421
16 x 16	B (KSP1)	10	28101422
18 x 18	B (KSP1)	10	28101424
20 x 20	B (KSP1)	10	28101426
26 x 26	B (KSP1)	5	28101428
32 x 32	B (KSP1)	5	28101510
40 x 40	TH (KSP11)	1	28115050
50 x 50	TH (KSP11)	1	28115060
63 x 63	TH (KSP11)	1	28115070
75 x 75	TH (KSP11) (**)	1	28115554

(**) Compatible profile F (KSP2)



Vertical intermediate reducing union joint

Size	Profile	Pcs. pack	Code
20 x 16	B (KSP1)	10	28101430
26 x 16	B (KSP1)	5	28101434
26 x 20	B (KSP1)	5	28101436
32 x 16	B (KSP1)	5	28101512
32 x 20	B (KSP1)	5	28101514
32 x 26	B (KSP1)	5	28101516
40 x 26	TH (KSP11) ⁽¹⁾	1	28115500
40 x 32	TH (KSP11) ⁽²⁾	1	28115100
50 x 32	TH (KSP11) ⁽²⁾	1	28115502
50 x 40	TH (KSP11)	1	28115110
63 x 40	TH (KSP11)	1	28115120
63 x 50	TH (KSP11)	1	28115130
75 x 40	TH (KSP11) ^(**)	1	28115556
75 x 50	TH (KSP11) ^(**)	1	28115558
75 x 63	TH (KSP11) ^(**)	1	28115560
63 x 40 ^(*)	F (KSP2)	1	28111664
63 x 50 ^(*)	F (KSP2)	1	28111662

⁽¹⁾ Profile 26x3: B (KSP1)

⁽²⁾ Profile 32x3: B (KSP1)

^(*) Item to be out of range

^(**) 75x5 takeoff: compatible profile F (KSP2)



Vertical Male union joint

Size	Profile	Pcs. pack	Code
14 x 1/2"	B (KSP1)	10	28101441
16 x 1/2"	B (KSP1)	10	28101440
18 x 1/2"	B (KSP1)	10	28101442
20 x 1/2"	B (KSP1)	10	28101445
20 x 3/4"	B (KSP1)	10	28101446
26 x 3/4"	B (KSP1)	5	28101448
26 x 1"	B (KSP1)	5	28101450
32 x 1"	B (KSP1)	5	28101520
32 x 1"1/4	B (KSP1)	5	28115510
40 x 1"	TH (KSP11)	1	28115512
40 x 1"1/4	TH (KSP11)	1	28115000
50 x 1"1/2	TH (KSP11)	1	28115010
63 x 2"	TH (KSP11)	1	28115020
75 x 2"1/2	TH (KSP11) ^(**)	1	28115552

^(**) Compatible profile F (KSP2)



Vertical Female union joint

Size	Profile	Pcs. pack	Code
16 x 1/2"	B (KSP1)	10	28101454
18 x 1/2"	B (KSP1)	10	28101456
20 x 1/2"	B (KSP1)	10	28101459
20 x 3/4"	B (KSP1)	10	28101460
26 x 3/4"	B (KSP1)	5	28101462
26 x 1"	B (KSP1)	5	28101464
32 x 1"	B (KSP1)	5	28101522

Press fittings



Female double elbow with flange

Size	Profile	Pcs. pack	Code
16 x 1/2"	B (KSP1)	5	28101688
20 x 1/2"	B (KSP1)	5	28101690



Tee with chromed copper pipe

Size	Profile	Pcs. pack	Code
16 x Ø 15 x 16	B (KSP1)	5	28101692
20 x Ø 15 x 20	B (KSP1)	5	28101694

Distance Tee 25 mm, chromed pipe 290 mm long



Chromed copper pipe

Size	Pcs. pack	Code
Ø 15 x 1/2" M (L 175 mm)	5	28101686



Type elbow fitting with chromed copper pipe

Size	Profile	Pcs. pack	Code
16 x Ø 15 (L 165,5 mm)	B (KSP1)	10	28101708



Built-in galvanized bracket for flanged elbows

Size	Pcs. pack	Code
10 brackets kit	1	28104062

Takeoffs 80-100-153 mm

Takeoffs 153 mm for fixing flanged elbow in 4 point.



Built-in galvanized bracket for flanged elbows

Size	Pcs. pack	Code
	2	28101530

Takeoffs 80-100-153 mm



Galvanised bracket for flanged elbow

Size	Pcs. pack	Code
	1	28101531

Note: suitable only for flanged elbow with threaded base (year 2005).

Takeoff 153 mm



Female T with elbow

Size	Profile	Pcs. pack	Code
16 x 1/2" x 16	B (KSP1)	5	28101620
20 x 1/2" x 20	B (KSP1)	5	28101624



Right terminal

Size	Profile	Pcs. pack	Code
16 x 1/2"	B (KSP1)	5	28101632
18 x 1/2" (*)	B (KSP1)	5	28101636
20 x 1/2"	B (KSP1)	5	28101640

(*) Item to be out of range



Left terminal

Size	Profile	Pcs. pack	Code
16 x 1/2"	B (KSP1)	5	28101630
18 x 1/2" (*)	B (KSP1)	5	28101634
20 x 1/2"	B (KSP1)	5	28101638

(*) Item to be out of range



Bracket for female T with elbow

Size	Pcs. pack	Code
	2	28101532

Item to be out of range



Plug for circuit test with o-ring

Size	Pcs. pack	Code
1/2" blue	50	28090003
1/2" red	50	28090004
3/4" blue	50	28090006
3/4" red	50	28090008



Leakage test plug for multi-layer pipe

Size	Pcs. pack	Code
16 x 2	1	28101846
20 x 2	1	28101848

Complete with 1/2" F fitting for release valve (provided standard)

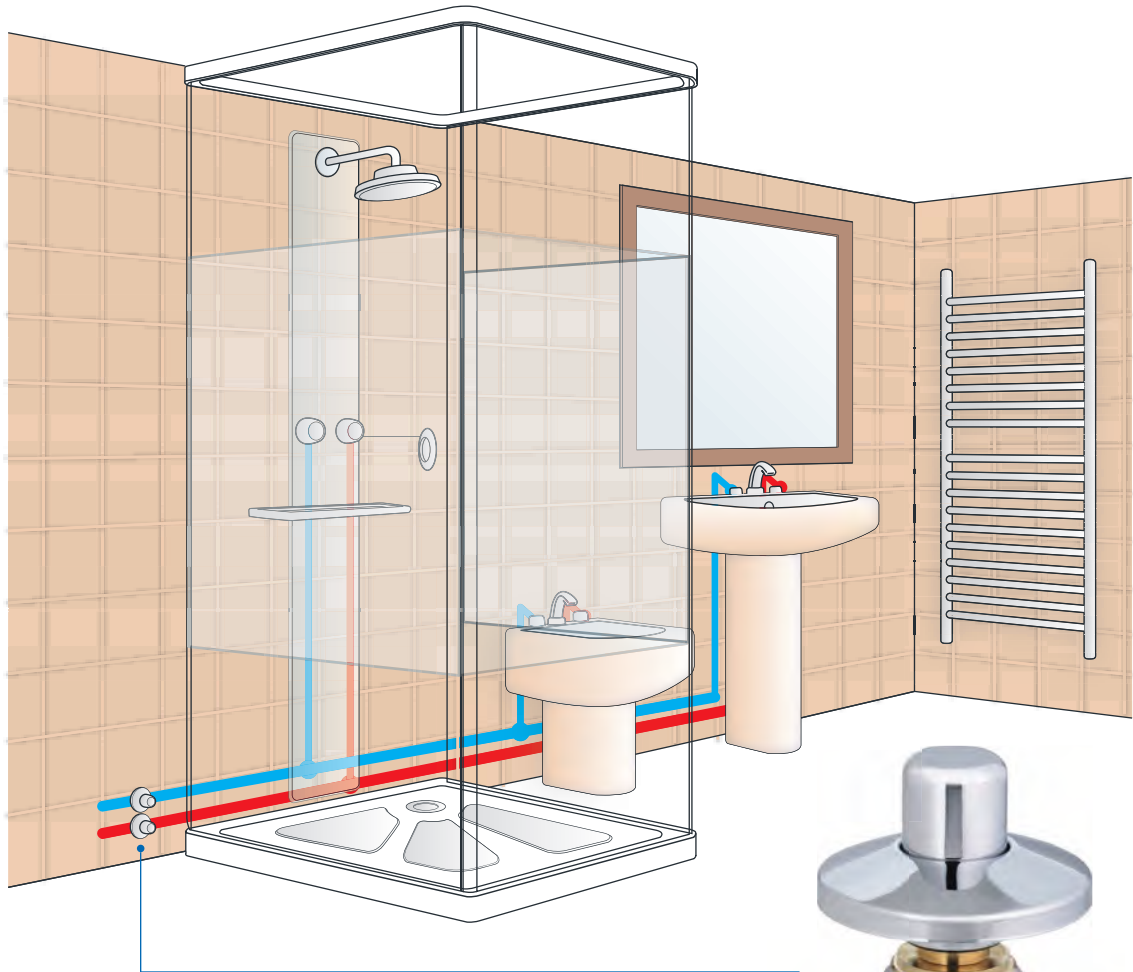


Built-in box for flanged elbows

Size	Pcs. pack	Code
	1	13010010

For installation of Gerpex flanged elbows

Valve for built-in application Gerpex



Construction

Body made of brass ST UNI EN 12165 CW617N **
Group Screw brass TN UNI EN 12164 CW614N
Rosette-gaskets-flywheel, chromed
Gasket EPDM

Technical data

Max operating temperature: 95 °C
Max allowable working pressure at 95 °C: 6 bar
** Nickel-plated only on surface non in contact with fluids; availability after exhaustion of totally nickel-plated versions



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Valve for built-in application Gerpex



Body

Size	Profile	Pcs. pack	Code
16 x 3/4"	B (KSP1)	5	90008120
18 x 3/4"	B (KSP1)	5	90008130
20 x 3/4"	B (KSP1)	5	90008140
26 x 3/4"	B (KSP1)	5	90008150



Screw group 3/4" for built-in valve body

Size	Pcs. pack	Code
3/4"	10	28100980



Cap shutter 3/4" with handle

Size	Pcs. pack	Code
3/4"	10	28100982



Extended screw (+20 mm) brass 3/4"

Size	Pcs. pack	Code
3/4" for built-in valve body	10	90008170
3/4" for cap shutter with handle	10	90008180



Spherical asher seal

Size	Pcs. pack	Code
	10	90008011

Tooling Gerpex / Gaspex



Manual pressing machine

360° rotating head - Telescopic arms, extensible 300 mm
Instrument weight: approximately 3,3 Kg - Instrument length: 560 - 860 mm
Thrust force: min. 30 kN - Press fittings: from DN 14 to DN 32

Size	Pcs. pack	Code
	1	28100958



Dies for manual pressing machine

Size	Profile	Pcs. pack	Code
16 x 2	B (KSP1)	1	28100935
20 x 2	B (KSP1)	1	28100937
26 x 3	B (KSP1)	1	28100938
32 x 3	B (KSP1)	1	28100939



14,4 V battery powered pressing machine SPM32 for Gerpex jaws from DN 14 to DN 75

Weight including accumulator: 3,9 Kg - Dimensions LxHxS: 390x310x95
Feed force: min. 32kN - Power supply: 14,4 V - Battery charger: 230 V, 50 Hz
Battery capacity : 2,6 Ah - Charging time: 45 min approx.
Pressing performance: approx. 235 (DN20)
Pressing time: from 4 to 7 depending on DN
Operation temperature range (-20 °C ÷ 40 °C) 360° rotating head
Automatic piston retraction - USB connection for remote diagnosis
Optical malfunction report and workin state indicator
Complete with metal case, battery 14,4 V, battery charger, USB cable, analysis software.

Size	Pcs. pack	Code
	1	28122002



230 V powered pressing machine SPM32 for Gerpex jaws from DN 14 to DN 75

Weight including accumulator: 4,5 Kg - 230 V adapter weight: 840 g
Dimensions LxHxS: 390x310x95 - Feed force: min. 32kN
Power supply: 230 V, 50 Hz - Max loading: 30 A - Adapter voltage output: 14,4 V
Pressing time: from 4 to 7 depending on DN
Operation temperature range (-20 °C ÷ 40 °C) 360° rotating head
Automatic piston retraction - USB connection for remote diagnosis
Optical malfunction report and working state indicator
Complete with metal case, 230 V adapter, USB cable, analysis software.

Size	Pcs. pack	Code
	1	28122000



Spare battery 14,4 V for SMP32 pressing machine

Size	Pcs. pack	Code
	1	28122018

Battery Lithium-Ion (Li-ion)



Battery charger 14,4 V for SPM32 pressing machine

Size	Pcs. pack	Code
	1	28122016



230 V adapter for SPM32 pressing machine

Size	Pcs. pack	Code
	1	28122010

Permits power supply to the SPM32 pressing machine, directly at 230 V, replacing the 14,4 V battery



Case for jaws

Size	Pcs. pack	Code
	1	28122012



Ø 14 ÷ Ø 32
B (KSP1)



Ø 40 - Ø 50
TH (KSP11)

Ø 63
TH (KSP11)

Gerpex jaw

Size	Profile	Pcs. pack	Code
14 x 2	B (KSP1)	1	28100201
16 x 2	B (KSP1)	1	28100211
18 x 2	B (KSP1)	1	28100221
20 x 2	B (KSP1)	1	28100231
26 x 3	B (KSP1)	1	28100241
32 x 3	B (KSP1)	1	28100251
40 x 35	TH (KSP11)	1	28100510
50 x 4	TH (KSP11)	1	28100520
63 x 4,5	TH (KSP11)	1	28100530



Gerpex jaws

Size	Profile	Pcs. pack	Code
75	TH (KSP11)	1	28100540

Tooling



Ø 40 - Ø 50
F (KSP2)

Ø 63
F (KSP2)



Ø 75
F (KSP2)

Gerpex jaw

Size	Profile	Pcs. pack	Code
40 x 3,5	F (KSP2)	1	28100532
50 x 4	F (KSP2)	1	28100534
63 x 4,5	F (KSP2)	1	28100536
75	F (KSP2)	1	28100880

Items to be out of stock



Gerpex chain jaw UW 63

Size	Pcs. pack	Code
	1	28100290



TH (KSP11)

F (KSP2)

Dies for Gerpex chain jaw UW 63

Size	Profile	Pcs. pack	Code
40 x 3,5 ⁽¹⁾	TH (KSP11)	1	28100870
50 x 4 ⁽¹⁾	TH (KSP11)	1	28100872
63 x 4,5 ⁽¹⁾	TH (KSP11)	1	28100874
40 x 3,5 ⁽²⁾	F (KSP2)	1	28100292
50 x 4 ⁽²⁾	F (KSP2)	1	28100294
63 x 4,5 ⁽²⁾	F (KSP2)	1	28100296

Note:

⁽¹⁾ matrices for fittings Gerpex profile TH (KSP11) = ring BLUE

⁽²⁾ matrices for fittings Gerpex profile F (KSP2) = ring WHITE



SPM19 battery pressing machine 18V for Gerpex jaw with dies from DN 16 to DN 32

Weight (battery not included): 1,8 Kg – Dimensions LxHxS: 371x100x74 mm

Feed force: min 19 kN – Power supply: 18 V DC – Battery power: 230 V, 50 Hz

Battery capacity: 1,5 Ah – Charging time: 30 minutes aprox

Pressing time: from 3 to 4 s (depending on the nominal width)

Operation temperature range: -10 °C ÷ 40 °C

Sound level: 75 dB(A) in 1 m distance

Vibrations: < 2,5 m/s² (real value pondered by the acceleration)

360° rotating head - Automatic piston retraction

USB connection for remote diagnosis

Optical malfunction report and working state indicator

Complete with nylon case, battery 18 V, battery charger, USB cable, analysis software.

Size	Pcs. pack	Code
	1	28101816



Gerpex jaw for SPM19 pressing machine

Size	Pcs. pack	Code
	1	28101818



Dies for jaw for SPM19 pressing machine

Size	Profile	Pcs. pack	Code
16 x 2	B (KSP1)	1	28100935
20 x 2	B (KSP1)	1	28100937
26 x 3	B (KSP1)	1	28100938
32 x 3	B (KSP1)	1	28100939



Battery 18 V for SPM19 pressing machine

Size	Pcs. pack	Code
1,5 Ah	1	28101820

Battery Lithium-Ion (Li-ion)



Battery charger 18 V for SPM19 pressing machine

Size	Pcs. pack	Code
	1	28101824



230 V adapter for SPM19 pressing machine

Size	Pcs. pack	Code
	1	28101822

Permits power supply to the SPM19 pressing machine, directly at 230 V, replacing the 18 V battery



Flarer and calibrator

Size	Pcs. pack	Code
Ø 14	1	28100960
Ø 16	1	28100962
Ø 18	1	28100964
Ø 20	1	28100966
Ø 26	1	28100968
Ø 32	1	28100949
Ø 40	1	28100946
Ø 50	1	28100947
Ø 63	1	28100972
Ø 16-20-26	1	28100959



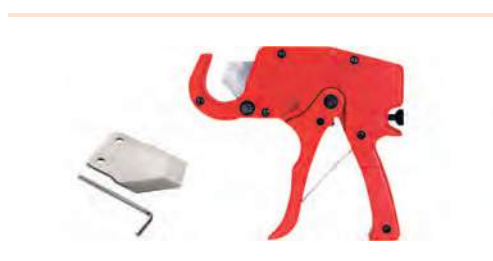
Flarer and calibrator

Size	Pcs. pack	Code
75	1	28100885



Shear for multi-layer pipe

Size	Pcs. pack	Code
Ø 14 ÷ 26	1	28101808
Ø 26 ÷ 40	1	28101812
Spare blade for cutter Ø 14 ÷ 26	1	28101810
Spare blade for cutter Ø 26 ÷ 40	1	28101814



Gerpex shear

Size	Pcs. pack	Code
Ø 14 ÷ 32	1	28100942
Spare blade for cutter	1	28100943



Pipe cutter for Gerpex

Size	Pcs. pack	Code
Pipe cutter Ø 14 ÷ 32	1	28100944
Spare part wheel	1	28100948
Pipe cutter Ø 6 ÷ 75	1	28024081



Internal spring for bending pipe

Size	Pcs. pack	Code
Ø 16 L=500 mm	1	28100616
Ø 18 L=500 mm	1	28100618
Ø 20 L=500 mm	1	28100620
Ø 26 L=1000 mm	1	28100626



External spring for bending pipe

Size	Pcs. pack	Code
Ø 16 L=500 mm	1	28100716
Ø 20 L=500 mm	1	28100720



Hydraulic bending machine for Gerpex pipe

Size	Pcs. pack	Code
Ø 26 ÷ 32	1	28100920

Complete with case, shape Ø 26 and Ø 32



Forms and Shapes for bending machine

Size	Pcs. pack	Code
Form Ø 16	1	28104002
Form Ø 20	1	28104006
Shape 14÷16	1	28104010
Shape 18÷20	1	28104012



Manifolds, boxes and motorized ball valves



> Bars manifolds



49

> Stell co-planar manifold



73

> Accessories for manifolds



61

> Brass manifold



74

> Industrial manifold



68

> Brass manifold with bibcocks



75

> Electro-thermic head



69

> Plastic manifold box



77

> Manifold cabinet



71

> Sanitary manifold with bibcocks



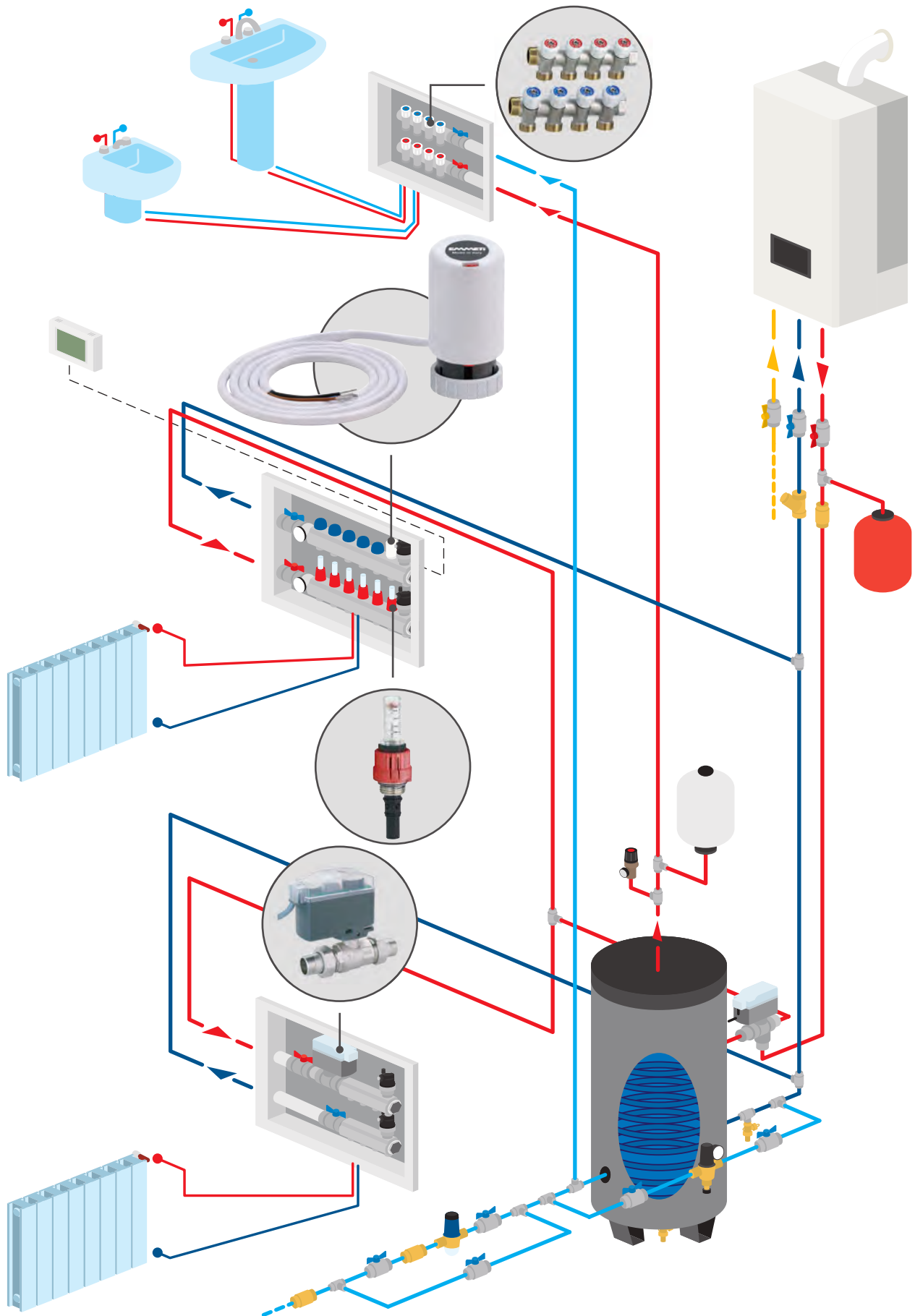
80

> Motor driven ball-valve



81

Example of installation





Manifold for underfloor heating regulation and control



Uses

The Topway bar manifold, with its multitude of components and accessories, is the perfect solution to current system engineering needs. It offers flexible solutions for various system configurations. This manifold makes it possible to set the temperature in any room through the installation of electro-thermal actuators so as to automatically control each circuit using a thermostat. Special attention has been given to speed and ease of installation. All of the parts combine easily with one another. Adjustment and control can be performed with precision using flow rate measurement devices that are already built into the manifold. The performance features of the product, along with its high level of quality, ensured by the materials used and the demanding production controls, make it reliable and functional over time, reducing maintenance and allowing substantial energy savings. Topway distribution manifolds are tested 100% prior to packaging

Construction

All Topway manifold distribution headers and accessories are nickel plated.
Brass header retrieved through a bar drawing process TN UNI EN 12168 CW614N.
Seals in EPDM.

Technical data

Maximum operating temperature: 90° C
Maximum working pressure: 6 bar
Head thread: G 1"
Side ways thread: M 24x19 and 3/4" Eurocone
Note: 24x19 and 3/4" Eurocone thread - 24 mm gas thread and 19 screw threads for inch.
Note: seal on thread of heads ONLY with o-ring.
DO NOT USE tapered threads.

Dimensions: see section technical attachments

Manifold for underfloor heating regulation and control

Topway Compact - Manifold for underfloor heating regulation and control



**Distribution manifold nickel-plated,
24x19 and 3/4" Eurocone takeoffs (flow and return)**

NEW

Technical data

Maximum operating temperature 90 °C

Maximum working pressure 6 bar

Head thread G 1"

Side ways thread M 24x19 and 3/4" Eurocone

Note: 24x19 and 3/4" Eurocone thread - 24 mm gas thread and 19 screw threads for inch.

Note: seal on thread of heads ONLY with o-ring. DO NOT USE tapered threads.

Size	Ways	Thread	Pcs. Pack	Code
1"	2+2	24x19	1	01297280
1"	3+3	24x19	1	01297282
1"	4+4	24x19	1	01297284
1"	5+5	24x19	1	01297286
1"	6+6	24x19	1	01297288
1"	7+7	24x19	1	01297290
1"	8+8	24x19	1	01297292
1"	9+9	24x19	1	01297294
1"	10+10	24x19	1	01297296
1"	11+11	24x19	1	01297298
1"	12+12	24x19	1	01297300
1"	2+2	3/4" Eurocone	1	01297610
1"	3+3	3/4" Eurocone	1	01297612
1"	4+4	3/4" Eurocone	1	01297614
1"	5+5	3/4" Eurocone	1	01297616
1"	6+6	3/4" Eurocone	1	01297618
1"	7+7	3/4" Eurocone	1	01297620
1"	8+8	3/4" Eurocone	1	01297622
1"	9+9	3/4" Eurocone	1	01297624
1"	10+10	3/4" Eurocone	1	01297626
1"	11+11	3/4" Eurocone	1	01297628
1"	12+12	3/4" Eurocone	1	01297630

Dimensions: see section technical attachments

Accessory



T-terminal with adjustable drain valve and manual vent valve

Size	Pcs. pack	Code
1"	2	01306158

With O-ring

Supplied with 1/2" adjustable water drain valve and 1/2" manual vent valve

Manifold for underfloor heating regulation and control



Distribution manifold nickel-plated with air vent, 24x19 and 3/4" Eurocone takeoffs (flow and return)

Technical data

Maximum operating temperature 90 °C

Maximum working pressure 6 bar

Head thread G 1"

Side ways thread M 24x19 and 3/4" Eurocone

Note: 24x19 thread and 3/4" Eurocone - 24 mm gas thread and 19 screw threads for inch.

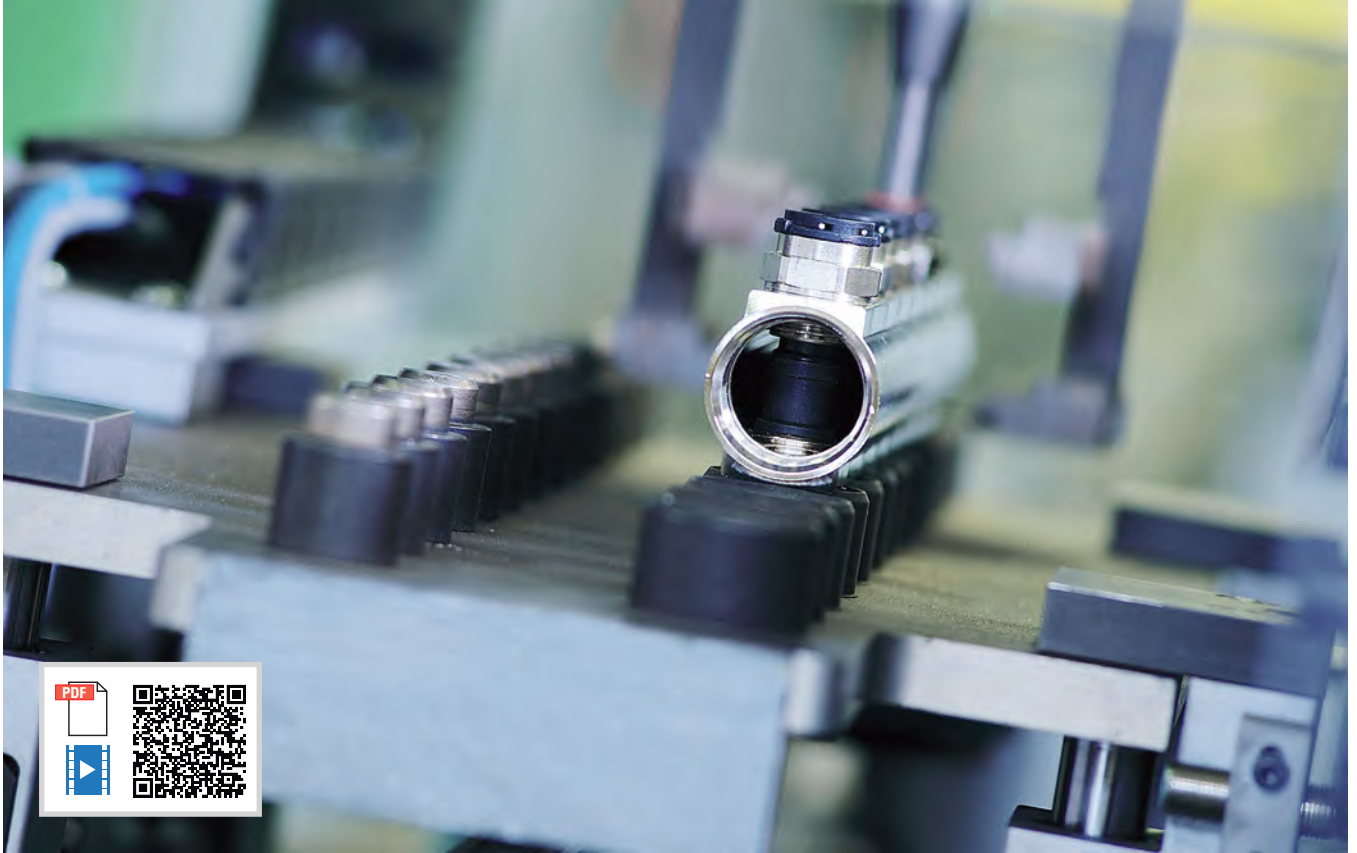
Note: seal on thread of heads ONLY with o-ring. DO NOT USE tapered threads.

Size	Ways	Thread	Pcs. Pack	Code
1"	2+2	24x19	1	01297100
1"	3+3	24x19	1	01297102
1"	4+4	24x19	1	01297104
1"	5+5	24x19	1	01297106
1"	6+6	24x19	1	01297108
1"	7+7	24x19	1	01297110
1"	8+8	24x19	1	01297112
1"	9+9	24x19	1	01297114
1"	10+10	24x19	1	01297116
1"	11+11	24x19	1	01297118
1"	12+12	24x19	1	01297120

NEW	1"	2+2	3/4" Eurocone	1	01297580
NEW	1"	3+3	3/4" Eurocone	1	01297582
NEW	1"	4+4	3/4" Eurocone	1	01297584
NEW	1"	5+5	3/4" Eurocone	1	01297586
NEW	1"	6+6	3/4" Eurocone	1	01297588
NEW	1"	7+7	3/4" Eurocone	1	01297590
NEW	1"	8+8	3/4" Eurocone	1	01297592
NEW	1"	9+9	3/4" Eurocone	1	01297594
NEW	1"	10+10	3/4" Eurocone	1	01297596
NEW	1"	11+11	3/4" Eurocone	1	01297598
NEW	1"	12+12	3/4" Eurocone	1	01297600

Dimensions: see section technical attachments

Bars manifold



TECHNICAL SHEET 10

Uses

The Topway bar manifold, with its multitude of components and accessories, is the perfect solution to current system engineering needs. It offers flexible solutions for various system configurations.

This manifold makes it possible to set the temperature in any room through the installation of electro-thermal actuators so as to automatically control each circuit using a thermostat.

Special attention has been given to speed and ease of installation.

All of the parts combine easily with one another. Adjustment and control can be performed with precision using flow rate measurement devices that are already built into the manifold.

The performance features of the product, along with its high level of quality, ensured by the materials used and the demanding production controls, make it reliable and functional over time, reducing maintenance and allowing substantial energy savings.

Top Way distribution manifolds are tested 100% prior to packaging.

Construction

All Topway manifold distribution headers and accessories are nickel plated. Brass header retrieved through a bar drawing process TN UNI EN 12168 CW614N.

Seals in EPDM

Technical data

Maximum operating temperature 110 °C with lockshields and 90° with flow meters

Maximum working pressure 10 bar with lockshields and 6 bar with flow meters

Head thread G 3/4" - 1" - 1 1/4"

Side ways thread M 24x19 - 3/4" Eurocone

Note: 24x19 thread - 24 mm gas thread and 19 screw threads for inch.

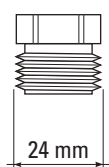
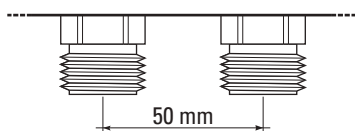
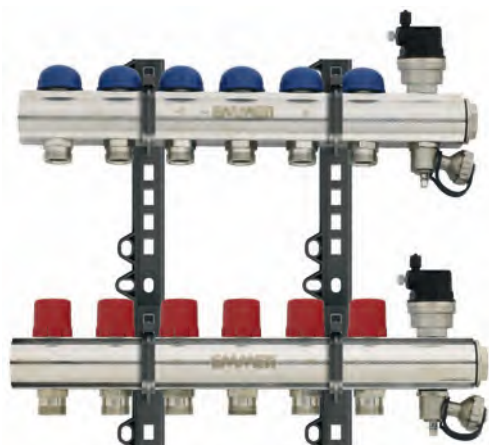
Note: seal on thread of heads ONLY with o-ring.

DO NOT USE tapered threads.

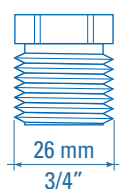
Dimensions: see section technical attachments



Pre-assembled bar Topway manifold



24x19



Eurocone

Pre-assembled distribution manifold nickel-plated, 24x19 takeoffs (flow and return) and 3/4" eurocone takeoffs (flow and return)

Supplied together with:

Lockshield featuring dual micrometric adjustment on inlet

Manual adjustment valves set up to take thermo-electric

Nr. 2 blind nipples 1" or 1"1/4 complete with o-ring

Nr. 2 water drain valves 1/2"

Nr. 2 Varia air vent 1/2" with upper bleed (lateral + manual)

Nr. 2 adjustable supports dual 1" or fixed metal 1"1/4

Note: nr. 2 Progress ball valves 1" or 1"1/4 with red and blue butterfly handles, with or without pipe union for thermometer and thermometer, are supplied optionally

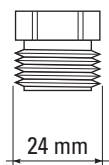
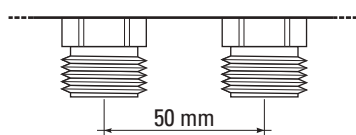
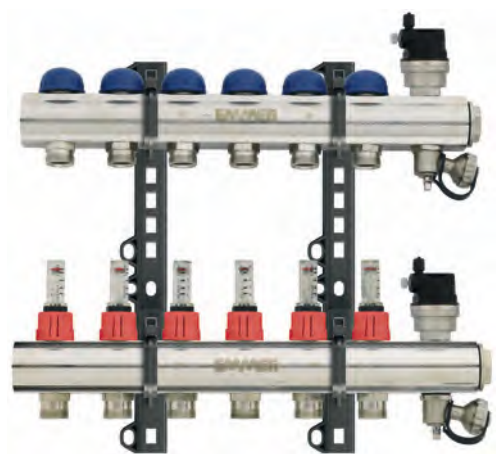
Size	Ways	Thread	Pcs. pack	Code
1"	2+2	24x19	1	01298680
1"	3+3	24x19	1	01298682
1"	4+4	24x19	1	01298684
1"	5+5	24x19	1	01298686
1"	6+6	24x19	1	01298688
1"	7+7	24x19	1	01298690
1"	8+8	24x19	1	01298692
1"	9+9	24x19	1	01298694
1"	10+10	24x19	1	01298696
1"	11+11	24x19	1	01298698
1"	12+12	24x19	1	01298700
1"1/4	4+4	24x19	1	01298924
1"1/4	5+5	24x19	1	01298926
1"1/4	6+6	24x19	1	01298928
1"1/4	7+7	24x19	1	01298930
1"1/4	8+8	24x19	1	01298932
1"1/4	9+9	24x19	1	01298934
1"1/4	10+10	24x19	1	01298936
1"1/4	11+11	24x19	1	01298938
1"1/4	12+12	24x19	1	01298940
1"	2+2	3/4" Eurocone	1	01298710
1"	3+3	3/4" Eurocone	1	01298712
1"	4+4	3/4" Eurocone	1	01298714
1"	5+5	3/4" Eurocone	1	01298716
1"	6+6	3/4" Eurocone	1	01298718
1"	7+7	3/4" Eurocone	1	01298720
1"	8+8	3/4" Eurocone	1	01298722
1"	9+9	3/4" Eurocone	1	01298724
1"	10+10	3/4" Eurocone	1	01298726
1"	11+11	3/4" Eurocone	1	01298728
1"	12+12	3/4" Eurocone	1	01298730
1"1/4	6+6	3/4" Eurocone	1	01298958
1"1/4	7+7	3/4" Eurocone	1	01298960
1"1/4	8+8	3/4" Eurocone	1	01298962
1"1/4	9+9	3/4" Eurocone	1	01298964
1"1/4	10+10	3/4" Eurocone	1	01298966
1"1/4	11+11	3/4" Eurocone	1	01298968
1"1/4	12+12	3/4" Eurocone	1	01298970

Takeoffs 50 mm

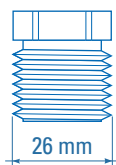
It is also possible to insert the flow meter cartridge into the new lockshield

Dimensions: see section technical attachments

Bars manifold



24x19



Eurocone

Pre-assembled distribution manifold nickel-plated, 24x19 takeoffs (flow and return) and 3/4" eurocone (flow and return) with lockshields with flow meters

Supplied together with:

Lockshields with flow meters (0-4 l/min)

Manual adjustment valves set up to take thermo-electric

Nr. 2 blind nipples 1" or 1"1/4 complete with o-ring

Nr. 2 water drain valves 1/2"

Nr. 2 Varia air vent 1/2" with bleed (lateral+manual)

Nr. 2 adjustable supports dual 1" or fixed metal 1"1/4

Note: nr. 2 Progress ball valves 1" or 1"1/4 with red and blue butterfly handles, with or without pipe union for thermometer, are supplied optionally

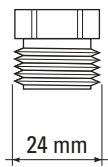
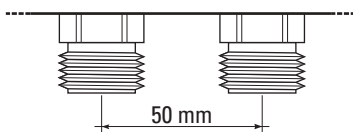
Size	Ways	Thread	Pcs. pack	Code
1"	2+2	24x19	1	01298180
1"	3+3	24x19	1	01298182
1"	4+4	24x19	1	01298184
1"	5+5	24x19	1	01298186
1"	6+6	24x19	1	01298188
1"	7+7	24x19	1	01298190
1"	8+8	24x19	1	01298192
1"	9+9	24x19	1	01298194
1"	10+10	24x19	1	01298196
1"	11+11	24x19	1	01298198
1"	12+12	24x19	1	01298200
1"1/4	4+4	24x19	1	01298424
1"1/4	5+5	24x19	1	01298426
1"1/4	6+6	24x19	1	01298428
1"1/4	7+7	24x19	1	01298430
1"1/4	8+8	24x19	1	01298432
1"1/4	9+9	24x19	1	01298434
1"1/4	10+10	24x19	1	01298436
1"1/4	11+11	24x19	1	01298438
1"1/4	12+12	24x19	1	01298440
1"	2+2	3/4" Eurocone	1	01298210
1"	3+3	3/4" Eurocone	1	01298212
1"	4+4	3/4" Eurocone	1	01298214
1"	5+5	3/4" Eurocone	1	01298216
1"	6+6	3/4" Eurocone	1	01298218
1"	7+7	3/4" Eurocone	1	01298220
1"	8+8	3/4" Eurocone	1	01298222
1"	9+9	3/4" Eurocone	1	01298224
1"	10+10	3/4" Eurocone	1	01298226
1"	11+11	3/4" Eurocone	1	01298228
1"	12+12	3/4" Eurocone	1	01298230
1"1/4	6+6	3/4" Eurocone	1	01298458
1"1/4	7+7	3/4" Eurocone	1	01298460
1"1/4	8+8	3/4" Eurocone	1	01298462
1"1/4	9+9	3/4" Eurocone	1	01298464
1"1/4	10+10	3/4" Eurocone	1	01298466
1"1/4	11+11	3/4" Eurocone	1	01298468
1"1/4	12+12	3/4" Eurocone	1	01298470

Takeoffs 50 mm

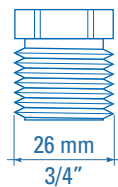
Dimensions: see section technical attachments



Single bar distribution Topway manifold



24x19



Eurocone

1" and 1 1/4" pre-assembled distribution manifold nickel-plated, 24x19 takeoffs (return) and 3/4" eurocone (return)

Supplied with:

Manual valves with valve-caps, set up to take thermo-electric heads

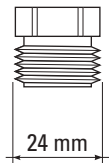
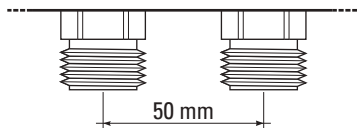
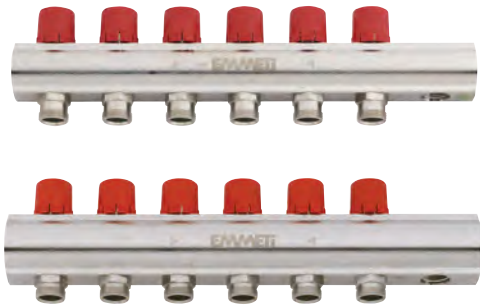
Additional connections for bleed valve and drain cock

Size	Ways	Thread	Pcs. pack	Code
1"	2	24x19	2	01293890
1"	3	24x19	2	01293892
1"	4	24x19	2	01293894
1"	5	24x19	2	01293896
1"	6	24x19	2	01293898
1"	7	24x19	2	01293900
1"	8	24x19	2	01293902
1"	9	24x19	2	01293904
1"	10	24x19	2	01293906
1"	11	24x19	2	01293908
1"	12	24x19	2	01293910
1 1/4"	4	24x19	2	01294694
1 1/4"	5	24x19	2	01294696
1 1/4"	6	24x19	2	01294698
1 1/4"	7	24x19	2	01294700
1 1/4"	8	24x19	2	01294702
1 1/4"	9	24x19	2	01294704
1 1/4"	10	24x19	2	01294706
1 1/4"	11	24x19	2	01294708
1 1/4"	12	24x19	2	01294710
1"	2	3/4" Eurocone	2	01293920
1"	3	3/4" Eurocone	2	01293922
1"	4	3/4" Eurocone	2	01293924
1"	5	3/4" Eurocone	2	01293926
1"	6	3/4" Eurocone	2	01293928
1"	7	3/4" Eurocone	2	01293930
1"	8	3/4" Eurocone	2	01293932
1"	9	3/4" Eurocone	2	01293934
1"	10	3/4" Eurocone	2	01293936
1"	11	3/4" Eurocone	2	01293938
1"	12	3/4" Eurocone	2	01293940
1 1/4"	6	3/4" Eurocone	2	01294728
1 1/4"	7	3/4" Eurocone	2	01294730
1 1/4"	8	3/4" Eurocone	2	01294732
1 1/4"	9	3/4" Eurocone	2	01294734
1 1/4"	10	3/4" Eurocone	2	01294736
1 1/4"	11	3/4" Eurocone	2	01294738
1 1/4"	12	3/4" Eurocone	2	01294740

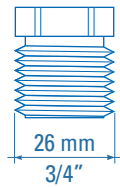
Takeoffs 50 mm

Dimensions: see section technical attachments

Bars manifold



24x19



Eurocone

1" and 1 1/4" flow manifold nickel-plated, with lockshields 24x19 takeoffs (flow) and 3/4" eurocone takeoffs (flow)

Supplied with:

Double-adjustable lockshields

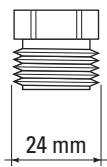
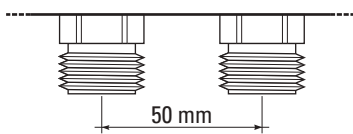
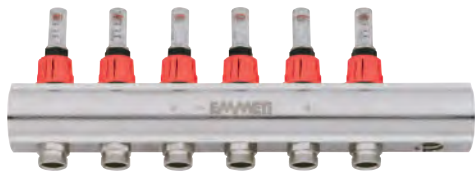
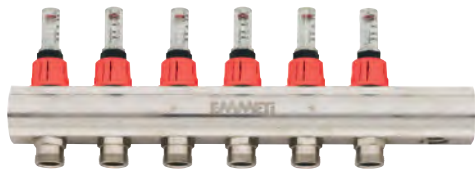
Additional connections for bleed valve and drain cock

Size	Ways	Thread	Pcs. pack	Code
1"	2	24x19	2	01298620
1"	3	24x19	2	01298622
1"	4	24x19	2	01298624
1"	5	24x19	2	01298626
1"	6	24x19	2	01298628
1"	7	24x19	2	01298630
1"	8	24x19	2	01298632
1"	9	24x19	2	01298634
1"	10	24x19	2	01298636
1"	11	24x19	2	01298638
1"	12	24x19	2	01298640
1 1/4"	4	24x19	2	01298864
1 1/4"	5	24x19	2	01298866
1 1/4"	6	24x19	2	01298868
1 1/4"	7	24x19	2	01298870
1 1/4"	8	24x19	2	01298872
1 1/4"	9	24x19	2	01298874
1 1/4"	10	24x19	2	01298876
1 1/4"	11	24x19	2	01298878
1 1/4"	12	24x19	2	01298880
1"	2	3/4" Eurocone	2	01298650
1"	3	3/4" Eurocone	2	01298652
1"	4	3/4" Eurocone	2	01298654
1"	5	3/4" Eurocone	2	01298656
1"	6	3/4" Eurocone	2	01298658
1"	7	3/4" Eurocone	2	01298660
1"	8	3/4" Eurocone	2	01298662
1"	9	3/4" Eurocone	2	01298664
1"	10	3/4" Eurocone	2	01298666
1"	11	3/4" Eurocone	2	01298668
1"	12	3/4" Eurocone	2	01298670
1 1/4"	6	3/4" Eurocone	2	01298898
1 1/4"	7	3/4" Eurocone	2	01298900
1 1/4"	8	3/4" Eurocone	2	01298902
1 1/4"	9	3/4" Eurocone	2	01298904
1 1/4"	10	3/4" Eurocone	2	01298906
1 1/4"	11	3/4" Eurocone	2	01298908
1 1/4"	12	3/4" Eurocone	2	01298910

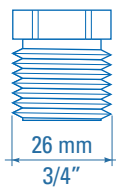
Takeoffs 50 mm

It is also possible to insert the flow meter cartridge into the new lockshield

Dimensions: see section technical attachments



24x19



Eurocone

1" and 1 1/4" flow manifold nickel-plated, with lockshields with flow meters, 24x19 takeoffs (flow) and 3/4" eurocone (flow)

Supplied with:

Lockshields with flow meters (0÷4 l/min)

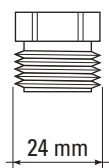
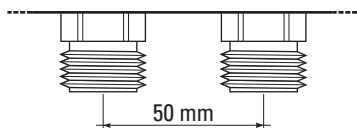
Additional connections for bleed valve and drain cock

Size	Ways	Thread	Pcs. pack	Code
1"	2	24x19	2	01298120
1"	3	24x19	2	01298122
1"	4	24x19	2	01298124
1"	5	24x19	2	01298126
1"	6	24x19	2	01298128
1"	7	24x19	2	01298130
1"	8	24x19	2	01298132
1"	9	24x19	2	01298134
1"	10	24x19	2	01298136
1"	11	24x19	2	01298138
1"	12	24x19	2	01298140
1 1/4"	4	24x19	2	01298364
1 1/4"	5	24x19	2	01298366
1 1/4"	6	24x19	2	01298368
1 1/4"	7	24x19	2	01298370
1 1/4"	8	24x19	2	01298372
1 1/4"	9	24x19	2	01298374
1 1/4"	10	24x19	2	01298376
1 1/4"	11	24x19	2	01298378
1 1/4"	12	24x19	2	01298380
1"	2	3/4" Eurocone	2	01298150
1"	3	3/4" Eurocone	2	01298152
1"	4	3/4" Eurocone	2	01298154
1"	5	3/4" Eurocone	2	01298156
1"	6	3/4" Eurocone	2	01298158
1"	7	3/4" Eurocone	2	01298160
1"	8	3/4" Eurocone	2	01298162
1"	9	3/4" Eurocone	2	01298164
1"	10	3/4" Eurocone	2	01298166
1"	11	3/4" Eurocone	2	01298168
1"	12	3/4" Eurocone	2	01298170
1 1/4"	6	3/4" Eurocone	2	01298398
1 1/4"	7	3/4" Eurocone	2	01298400
1 1/4"	8	3/4" Eurocone	2	01298402
1 1/4"	9	3/4" Eurocone	2	01298404
1 1/4"	10	3/4" Eurocone	2	01298406
1 1/4"	11	3/4" Eurocone	2	01298408
1 1/4"	12	3/4" Eurocone	2	01298410

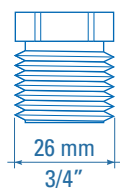
Takeoffs 50 mm

Dimensions: see section technical attachments

Bars manifold



24x19



Eurocone

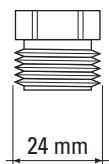
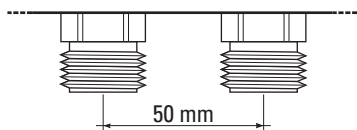
1" distribution manifold nickel-plated, 24x19 takeoffs (return) and 3/4" eurocone (return), without additional way

Supplied with manual valves with valve-caps, set up to take thermo-electric heads

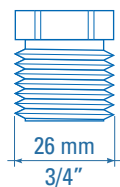
Size	Ways	Thread	Pcs. pack	Code
1"	2	24x19	2	01294130
1"	3	24x19	2	01294132
1"	4	24x19	2	01294134
1"	5	24x19	2	01294136
1"	6	24x19	2	01294138
1"	7	24x19	2	01294140
1"	8	24x19	2	01294142
1"	9	24x19	2	01294144
1"	10	24x19	2	01294146
1"	11	24x19	2	01294148
1"	12	24x19	2	01294150
<hr/>				
1"	2	3/4" Eurocone	2	01294160
1"	3	3/4" Eurocone	2	01294162
1"	4	3/4" Eurocone	2	01294164
1"	5	3/4" Eurocone	2	01294166
1"	6	3/4" Eurocone	2	01294168
1"	7	3/4" Eurocone	2	01294170
1"	8	3/4" Eurocone	2	01294172
1"	9	3/4" Eurocone	2	01294174
1"	10	3/4" Eurocone	2	01294176
1"	11	3/4" Eurocone	2	01294178
1"	12	3/4" Eurocone	2	01294180

Takeoffs 50 mm

Dimensions: see section technical attachments



24x19



Eurocone

1" flow manifold nickel-plated, with lockshields 24x19 takeoffs (flow) and 3/4" eurocone takeoffs (flow), without additional way

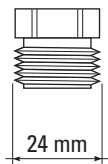
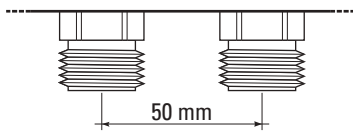
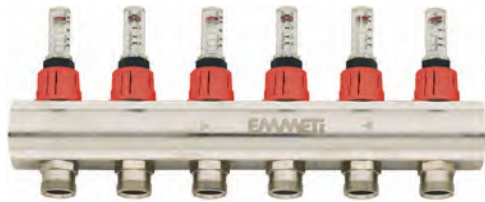
Supplied with double-adjustable lockshields

Size	Ways	Thread	Pcs. pack	Code
1"	2	24x19	2	01298800
1"	3	24x19	2	01298802
1"	4	24x19	2	01298804
1"	5	24x19	2	01298806
1"	6	24x19	2	01298808
1"	7	24x19	2	01298810
1"	8	24x19	2	01298812
1"	9	24x19	2	01298814
1"	10	24x19	2	01298816
1"	11	24x19	2	01298818
1"	12	24x19	2	01298820
<hr/>				
1"	2	3/4" Eurocone	2	01298830
1"	3	3/4" Eurocone	2	01298832
1"	4	3/4" Eurocone	2	01298834
1"	5	3/4" Eurocone	2	01298836
1"	6	3/4" Eurocone	2	01298838
1"	7	3/4" Eurocone	2	01298840
1"	8	3/4" Eurocone	2	01298842
1"	9	3/4" Eurocone	2	01298844
1"	10	3/4" Eurocone	2	01298846
1"	11	3/4" Eurocone	2	01298848
1"	12	3/4" Eurocone	2	01298850

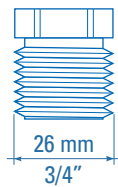
Takeoffs 50 mm

It is also possible to insert the flow meter cartridge into the new lockshield

Dimensions: see section technical attachments



24x19



Eurocone

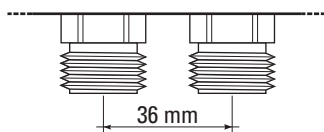
1" flow manifold nickel-plated, with lockshields with flow meters, 24x19 takeoffs (flow) and 3/4" eurocone (flow), without additional way

Supplied with lockshields with flow meters (0÷4 l/min)

Size	Ways	Thread	Pcs. pack	Code
1"	2	24x19	2	01298480
1"	3	24x19	2	01298482
1"	4	24x19	2	01298484
1"	5	24x19	2	01298486
1"	6	24x19	2	01298488
1"	7	24x19	2	01298490
1"	8	24x19	2	01298492
1"	9	24x19	2	01298494
1"	10	24x19	2	01298496
1"	11	24x19	2	01298498
1"	12	24x19	2	01298500
1"	2	3/4" Eurocone	2	01298510
1"	3	3/4" Eurocone	2	01298512
1"	4	3/4" Eurocone	2	01298514
1"	5	3/4" Eurocone	2	01298516
1"	6	3/4" Eurocone	2	01298518
1"	7	3/4" Eurocone	2	01298520
1"	8	3/4" Eurocone	2	01298522
1"	9	3/4" Eurocone	2	01298524
1"	10	3/4" Eurocone	2	01298526
1"	11	3/4" Eurocone	2	01298528
1"	12	3/4" Eurocone	2	01298530

Takeoffs 50 mm

Dimensions: see section technical attachments



3/4" distribution manifold nickel-plated, complete with 24x19 takeoffs connections

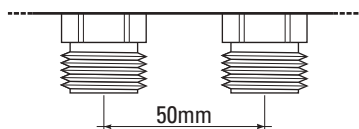
Supplied with hole on upper side bleed valve

Size	Ways	Pcs. pack	Code
3/4"	2	4	01293260
3/4"	3	4	01293262
3/4"	4	4	01293264
3/4"	5	4	01293266
3/4"	6	4	01293268
3/4"	7	4	01293270
3/4"	8	4	01293272
3/4"	9	4	01293274
3/4"	10	4	01293276
3/4"	11	4	01293278
3/4"	12	4	01293280

Takeoffs 36 mm

Dimensions: see section technical attachments

Bars manifold



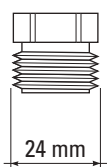
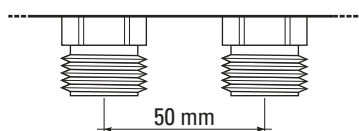
3/4" distribution manifold nickel-plated, complete with 24x19 takeoffs connections

Supplied with hole on upper side for bleed valve

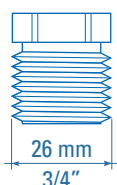
Size	Ways	Pcs. pack	Code
3/4"	2	4	01293290
3/4"	3	4	01293292
3/4"	4	4	01293294
3/4"	5	4	01293296
3/4"	6	4	01293298
3/4"	7	4	01293300
3/4"	8	4	01293302
3/4"	9	4	01293304
3/4"	10	4	01293306
3/4"	11	4	01293308
3/4"	12	4	01293310

Takeoffs 50 mm

Dimensions: see section technical attachments



24x19



Eurocone

1" distribution manifold nickel-plated, complete with 24x19 takeoffs connection and 3/4" eurocone takeoffs (flow)

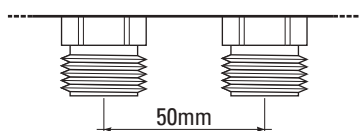
Supplied with hole on upper side for bleed valve

Size	Ways	Thread	Pcs. pack	Code
1"	2	24x19	4	01293830
1"	3	24x19	4	01293832
1"	4	24x19	4	01293834
1"	5	24x19	4	01293836
1"	6	24x19	4	01293838
1"	7	24x19	4	01293840
1"	8	24x19	4	01293842
1"	9	24x19	4	01293844
1"	10	24x19	4	01293846
1"	11	24x19	4	01293848
1"	12	24x19	4	01293850

1"	2	3/4" Eurocone	4	01293860
1"	3	3/4" Eurocone	4	01293862
1"	4	3/4" Eurocone	4	01293864
1"	5	3/4" Eurocone	4	01293866
1"	6	3/4" Eurocone	4	01293868
1"	7	3/4" Eurocone	4	01293870
1"	8	3/4" Eurocone	4	01293872
1"	9	3/4" Eurocone	4	01293874
1"	10	3/4" Eurocone	4	01293876
1"	11	3/4" Eurocone	4	01293878
1"	12	3/4" Eurocone	4	01293880

Takeoffs 50 mm

Dimensions: see section technical attachments



1 1/4" distribution bar manifold nickel-plated, complete with 24x19 takeoffs connections

Supplied with hole on upper side for bleed valve

Size	Ways	Pcs. pack	Code
1 1/4"	4	2	01294634
1 1/4"	5	2	01294636
1 1/4"	6	2	01294638
1 1/4"	7	2	01294640
1 1/4"	8	2	01294642
1 1/4"	9	2	01294644
1 1/4"	10	2	01294646
1 1/4"	11	2	01294648
1 1/4"	12	2	01294650

Takeoffs 50 mm

Dimensions: see section technical attachments



Accessories for Topway manifolds



Right-angle Progress ball valves with thermometers and pipe unions

Size	Pcs. pack	Code
1"	1	01306264



Right-angle Progress ball valves with pipe union for thermometer and thermometers

Size	Pcs. pack	Code
1"1/4	1	01306136



Right-angle Progress ball valves with pipe union

Size	Pcs. pack	Code
3/4"	1	01306180
1"	1	01306266
1"1/4	1	01306184



Straight Progress ball valve with thermometers and pipe unions

Size	Pcs. pack	Code
1"	1	01306260



Straight Progress ball valves with pipe union for thermometer and thermometers

Size	Pcs. pack	Code
1"1/4	1	01306132



Straight Progress ball valves with pipe union

Size	Pcs. pack	Code
3/4"	1	01306140
1"	1	01306262
1"1/4	1	01306144

Bars manifold



Right-angle kit Progress with differential by-pass

Overpressure valve from 0,2 to 0,5 bar

Size	Pcs. pack	Code
1"	1	01306186

For Floor Controlbox system
Only for 120 mm brick thickness steel cabinet



Straight kit Progress with differential by-pass

Overpressure valve from 0,2 to 0,5 bar

Size	Pcs. pack	Code
1" *	1	01306160
1"1/4	1	01306162

* For Floor Controlbox system
Only for 120 mm brick thickness steel cabinet

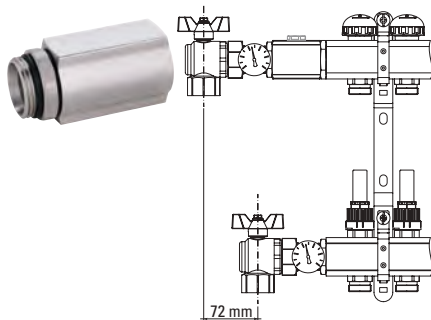


Therminal kit with by-pass for Topway manifolds

Overpressure valve from 0,2 to 0,5 bar

Size	Pcs. pack	Code
1/2" (*)	1	01306170
3/4" (*)	1	01306172
1"	1	01306174
1"1/4	1	01306176

(*) Items to be out of stock



Extension kit for Topway manifolds

The extension kit for Topway collectors is combined with the Progress angle valve kit in order to create a distance between the delivery and return tubes, to have more space available both during installation as well as when manoeuvring (see diagram).

Size	Pcs. pack	Code
M-F 1"	1	01306254
M-F 1"1/4	1	01306256



3/4" Eurocono splitter fitting

Connection size	Pcs. pack	Code
3/4" Eurokone	2	28130606

Splitter fitting for Topway collectors with 3/4" Eurocono takeoffs



Pack with 12 red bands to lock regulator

Size	Pcs. pack	Code
1" - 1"1/4	12	01306320

With labels for identify circuits



Varia air bleed valve 1/2" nickel-plated

Size	Pcs. pack	Code
1/2"	12	00400662



Tecno-Varia air bleed valve 1/2" with plastic casing

Size	Pcs. pack	Code
1/2"	12	00400004



Drain valve nickel-plated

Size	Pcs. pack	Code
1/2"	1	90011750

Item to be out of range



Charge and drain valve, nickel-plated 1/2" with Male 3/4" adjustable connection

Size	Pcs. pack	Code
1/2"	1	90011790



T-terminal with adjustable drain valve and manual vent valve

Size	Pcs. pack	Code
1"	2	01306158

With O-ring
Supplied with 1/2" adjustable water drain valve and 1/2" manual vent valve



Kit thermostatic shutter for 24x19

Size	Pcs. pack	Code
For manifold 1"	4	01306114
For manifold 1"1/4	4	01306118



Kit thermostatic shutter for 3/4" Eurocone

Size	Pcs. pack	Code
For manifold 1"	4	01306290
For manifold 1"1/4	4	01306292

Bars manifold



Blue cap for valves

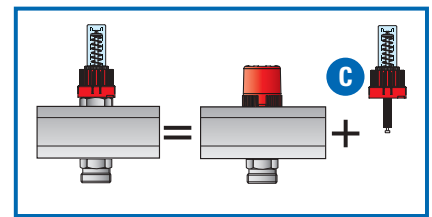
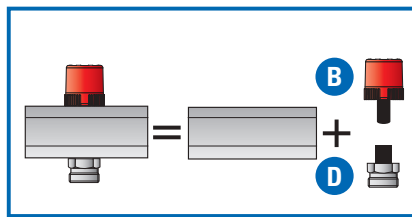
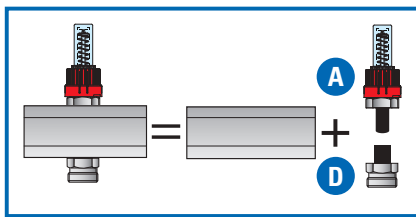
Size	Pcs. pack	Code
	1	90004470



Red cap for manifolds

Size	Pcs. pack	Code
	1	90023360

Instructions for the selection of lockshields/flow meter with a capacity on the basis of the manifold installed



A



Kit lockshield with incorporated flow meter 0÷4 l/min

Size	Pcs. pack	Code
0÷4 l/min	4	01306302

B



Kit lockshield

Size	Pcs. pack	Code
	4	01306300

C



Kit flow meter

Size	Pcs. pack	Code
0÷2,5 l/min	4	01306304
0÷4 l/min	4	01306306
0÷6 l/min	4	01306308

D



Lockshield / flow meter seat

Size	Pcs. pack	Code
For manifold 1" - 24x19	4	01306312
For manifold 1" - 3/4" eurocone	4	01306314
For manifold 1"1/4 - 24x19	4	01306316
For manifold 1"1/4 - 3/4" eurocone	4	01306318



Nickel-plated blind plug

Size	Pcs. pack	Code
1/2" M (*)	30	90004930
3/4" M (*)	30	90004820
1" M (*)	15	90004830
1 1/4" M (*)	10	90005070
3/4" F	30	01291536
1" F	15	01291538
24 x 19 F blind monoblocco (*)	20	01321460

(*) With o-ring



Nickel plated reduction

Size	Pcs. pack	Code
3/4" M x 3/8" F	30	90005050
3/4" M x 1/2" F	30	90004840
1" M x 3/8" F	15	90005060
1" M x 1/2" F	15	90004850
1" M x 3/4" F	15	90006870
1 1/4" M x 1/2" F	10	90005080
1 1/4" M x 1" F	10	90005084

With o-ring



Key for nipples CH 37 - 48

Size	Pcs. pack	Code
	1	01306044



Nickel-plated nipple

Size	Pcs. pack	Code
1" M x 1" M	15	90006700
1 1/4" M x 1 1/4" M	5	90006910

With o-ring



Swivel nipple

Size	Pcs. pack	Code
1" M x 1" M	6	01306426
1 1/4" M x 1 1/4" M	6	01306430
1" M x 1" F (**)	6	01306428
1 1/4" M x 1" M (*)	4	01306432
3/4" M x 3/4" M	6	01306434

(*) Reduction

(**) Items to be out of stock



Thermometer Ø 40

Size	Pcs. pack	Code
0-80 °C	1	90006860

Bars manifold



Tee union with pipe union for thermometer

Size	Pcs. pack	Code
M-F 24x19	1	90011760
M-F 3/4" (*)	1	90011770

(*) eurocone



Hand wheel for manual control

Size	Pcs. pack	Code
	6	01306112



Couple single metal holder

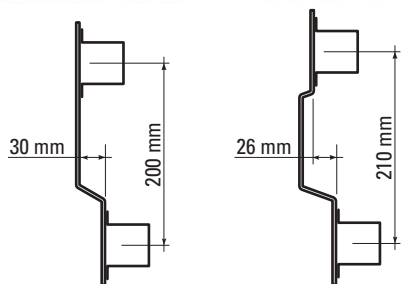
Size	Pcs. pack	Code
3/4"	1	90011500
1"	1	90011510
1"1/4	1	90011520

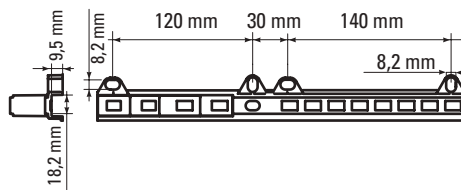
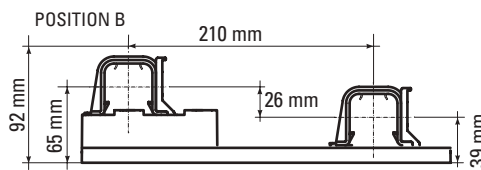
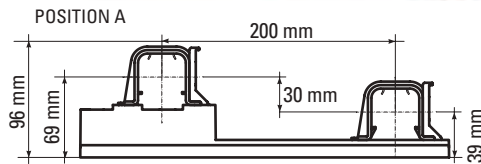


Couple double metal holder

Size	Take off	Pcs. pack	Code
3/4"	200 mm	1	90011530
1"	200 mm	1	90011540
1"1/4	200 mm	1	90011550
3/4" (*)	210 mm	1	90011560
1" (*)	210 mm	1	90011570
1"1/4 (*)	210 mm	1	90011580

(*) For wall fixing





Couple double adjustable holder

NEW

Size	Take off	Pcs. pack	Code
1"	200 - 210 mm	1	01306554



Insulating shells for Top Way manifolds

Size	Pcs. pack	Code
1"	1	01306500
1"1/4	1	01306502

In extruded polyethylene. No. of branch holes: 12, interval 50 mm.
To be cut to size according to the number of ways of the collector to be insulated.



Kit expansion tank for connection to the distribution manifold Topway in boxes Metalbox

NEW

Size	Pcs. pack	Code
8 liters	1	07245370
10 liters	1	07245380

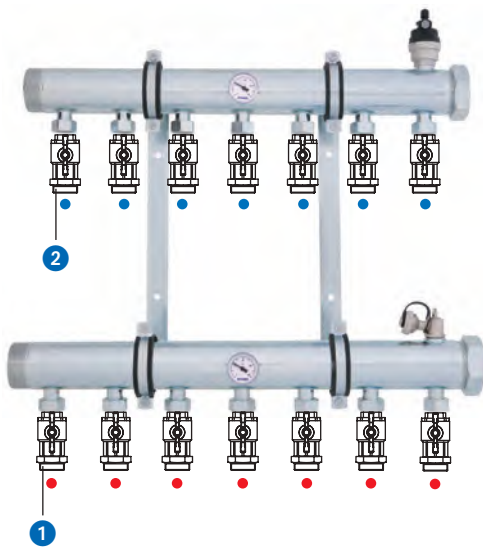
Complete with:
Expansion vessel 8 or 10 liters; mounting plate with screws for installation in box Metalbox;
copper tube Ø 18x1 prepared for connection tap loading/un-loading 1/2" diameter copper pipe 10x1 derivation with nut 3/8" connection forexpansion vessel;
sealing block for copper pipe Ø 18x1;
shank 1/2" - 24x19 witho-ring for connection manifold Topway 1" or 1"1/4;
gasket 3/8".

Note: Kit expansion tank 10 liter can only be installed in boxes for partition of 120 mm..

Dimensions: see section technical attachments

Bars manifold

Industrial manifold



Steel industrial manifold for ball valves

Manifolds and branches in drawn steel Fe 306B UNI EN 10305 - Braze welding in continuous oven at 1080 °C with copper welding material 99.9% - Surface treatment: white zinc plating

Technical Data

Maximum operating temperature 110 °C - Maximum operating pressure 10 bar - Head threads G 2" M - Takeoff thread G 3/4" F - Takeoff 80 mm

Supplied together with:

Nr. 2 blins nipples G 2" F - Nr. 1 water drain/discharge valve G 1/2" M - Nr. 1 automatic + manual air vent valve G 1/2" M - Nr. 2 thermometers Ø 40 (80 °C) - Nr. 2 dual metal holders

Application of steel industrial manifold for ball valves

- 1 Kit valve 3/4" red butterfly + fitting
- 2 Kit valve 3/4" blue butterfly + fitting

Size	Ways	Pcs. pack	Code
2"	5 + 5	1	07400460
2"	6 + 6	1	07400462
2"	7 + 7	1	07400464
2"	8 + 8	1	07400466
2"	9 + 9	1	07400468
2"	10 + 10	1	07400470
2"	11 + 11	1	07400472
2"	12 + 12	1	07400474
2"	13 + 13	1	07400476
2"	14 + 14	1	07400478
2"	15 + 15	1	07400480

Note: manifold supplied NOT assembled

Accessories for industrial manifolds



Kit valve 3/4" red butterfly + fitting

Maximum operating temperature 120 °C - Maximum operating pressure 40 bar
The valves must be used fully open or closed

Size	Pcs. pack	Code
24x19	1	01306196
M32x1,5	1	01306192



Kit valve 3/4" blue butterfly + fitting

Maximum operating temperature 120 °C - Maximum operating pressure 40 bar
The valves must be used fully open or closed

Size	Pcs. pack	Code
24x19	1	01306198
M32x1,5	1	01306194

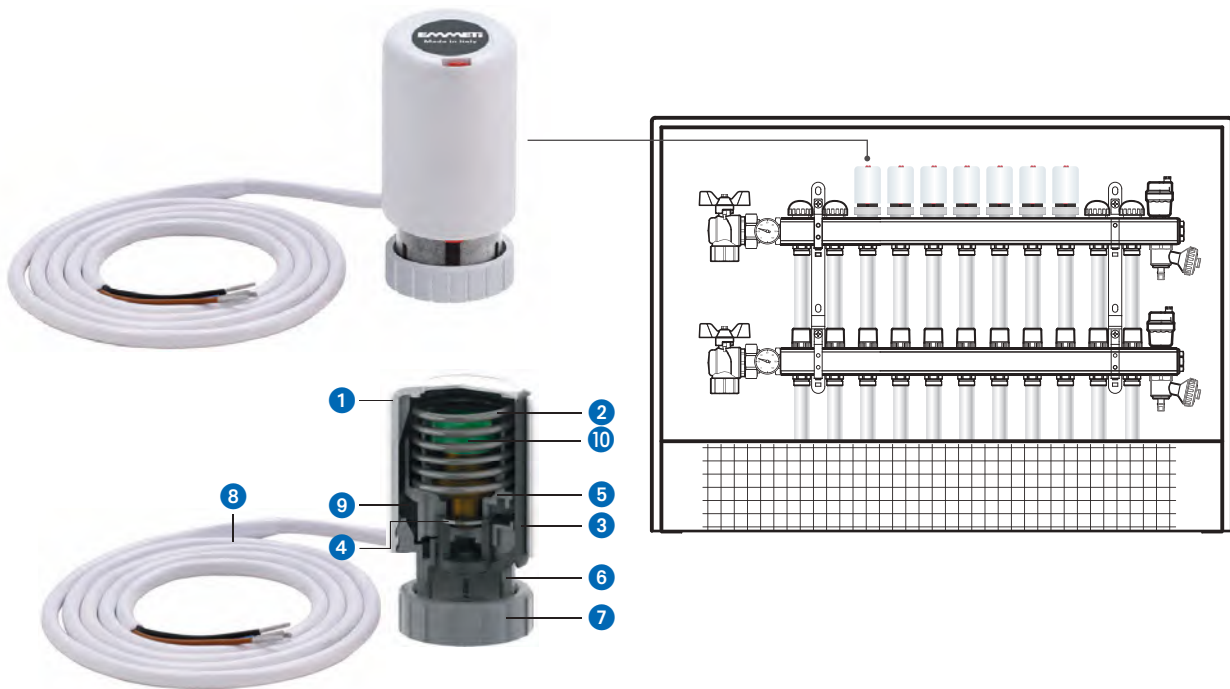


Vertical male union joint, nickel plated

Size	Thread	Pcs. pack	Code
3/4"	24x19	14	28103050
3/4"	M32x1,5	10	28103060



Electro-thermic head



Construction

- 1 Polycarbonate case
- 2 Stainless steel spring
- 3 Indicator PPA (35% FV)
- 4 Steel radial stop ring
- 5 Brass shelf TN UNI EN 12164 CW614N
- 6 Polycarbonate base
- 7 M30x1.5 ring nut PA 66 (50% FV)
- 8 PVC cable
- 9 Microswitch 4A (5A to be out of stock)
- 10 Wax expansion electrothermal actuator

Dimensions: see section technical attachments

Control T - Electro-thermic head



Control T - Electro-thermic head normally closed

NEW

The valve opens upon receiving the command from the thermostat or any similar control device - Absorption 3,45 VA (230 V) 3 VA (24 V) - Protection: IP 40 (IP 44 vertical position) - Cable length: 1 m - Breakaway current: 0,35 A (model 24 V) - 0,25 A (model 230 V) - Closing/opening time: 5-6 min

Size	Pcs. pack	Code
230 V (AC/DC)	1	01213242
24 V (AC/DC)	1	01213202

Note: The thermo-electric heads can be used in conjunction with: Topway bar manifolds with valves, Tris 3 thermostatic valves, Poker thermostatic valves, Poker valves which can be equipped with thermostat. For the use with different types of manifold, it can be necessary the adaptor code 90039364.

Electro-thermic head



Control T - Electro-thermic head normally closed with end switch (5 A 230 V)

Absorption 3,45 VA (230 V) 3 VA (24 V) - Protection IP 40 (IP 44 vertical position) - Cable length: 1 m - End switch: 5 A 230 V - Breakaway current: 0,35 A - Closing/opening time: 5-6 min

Size	Pcs. pack	Code
24 V (AC/DC) with micro	1	01213210

Note: The thermo-electric heads can be used in conjunction with: Topway bar manifolds with valves, Tris 3 thermostatic valves, Poker thermostatic valves, Poker valves which can be equipped with thermostat. For the use with differents type of manifold, it can be necessary the adaptor code 90039364.

Items to be out of stock



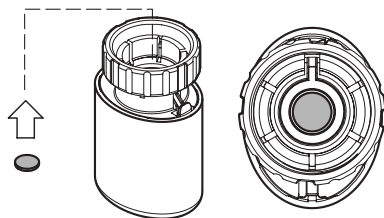
Control T - Electro-thermic head normally closed with end switch (4 A 250 V)

NEW

Absorption 3,45 VA (230 V) 3 VA (24 V) - Protection IP 40 (IP 44 vertical position) - Cable length: 1 m - End switch: 4 A 250 V - Breakaway current: 0,35 A (modello 24 V) - 0,25 A (modello 230 V) - Closing/opening time: 5-6 min

Size	Pcs. pack	Code
230 V (AC/DC) with micro	1	01213252
24 V (AC/DC) with micro	1	01213212

Note: The thermo-electric heads can be used in conjunction with: Topway bar manifolds with valves, Tris 3 thermostatic valves, Poker thermostatic valves, Poker valves which can be equipped with thermostat. For the use with differents type of manifold, it can be necessary the adaptor code 90039364.



Adapter for Control T - electro-thermic heads

Size	Pcs. pack	Code
	12	90039364

Apply in the case of incomplete closure on manifolds not produced by Emmeti.



Control T - Electro-thermic head normally open

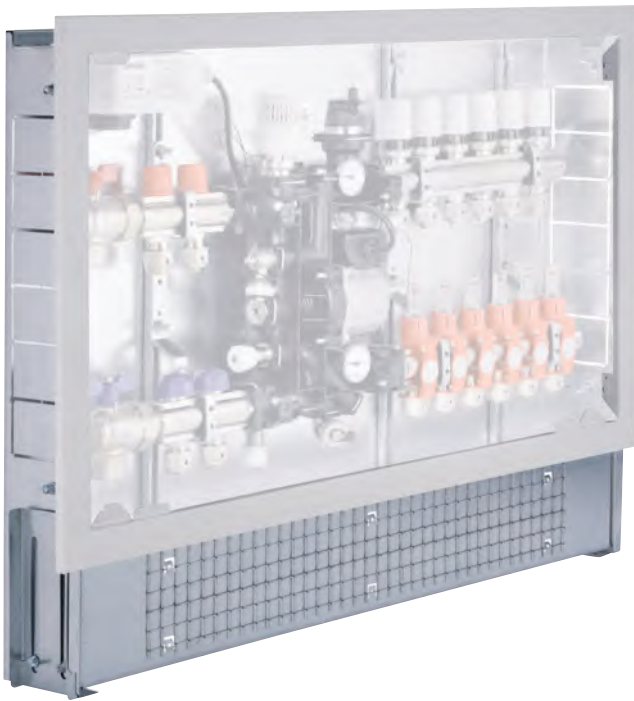
The valve opens upon receiving the command from the thermostat or any similar control device - Absorption - protection 3,45 VA (230 V) 3 VA (24 V) - Protection: IP 40 (IP 44 vertical position) - Cable length: 1 m - Breakaway current: 0,35 A (model 24 V) - 0,25 A (model 230 V) - Closing/opening time: 5-6 min

Size	Pcs. pack	Code
230 V (AC/DC)	1	01213280
24 V (AC/DC)	1	01213260

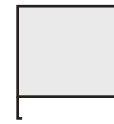
Note: The thermo-electric heads can be used in conjunction with: Topway bar manifolds with valves, Tris 3 thermostatic valves, Poker thermostatic valves, Poker valves which can be equipped with thermostat



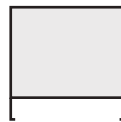
Manifold cabinet



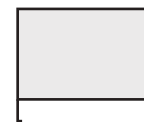
L 500



L 600



L 700



L 850



L 1000



L 1200

Metalbox manifold cabinet



HEIGHT
630 mm

Cabinet in galvanised steel with enamelled door, white colour, for 80 mm brick thickness. Suitable for 1" Topway manifold

Box for manifolds, flush fitting with adjustable depth. Supplied complete with push locking catch, feet adjustable for height from 0 to 130 mm and cover for protection during site work.

Size	Pcs. pack	Code
L 500 (540x630x90/130)	1	01301040
L 700 (740x630x90/130)	1	01301042
L 850 (890x630x90/130)	1	01301048
L 1000 (1040x630x90/130)	1	01301044

Door to fit flush with plaster

Dimensions: see section technical attachments



HEIGHT
630 mm

Cabinet in galvanized steel with enamelled door, white colour, keylock, for 80 mm brick thickness. For Topway manifolds until 1"

Box for manifolds, flush fitting with adjustable depth. Supplied complete with keylocking catch, feet adjustable for height from 0 to 130 mm and cover for protection during site work.

Size	Pcs. pack	Code
L 700 (740x630x90/130)	1	01301162
L 1000 (1040x630x90/130)	1	01301166

Door to fit flush with plaster

Dimensions: see section technical attachments

Manifold cabinet



Cabinet in galvanised steel with enamelled door, white colour, for 120 mm brick thickness. Suitable for 1" 1/4 Topway manifold.

Box for manifolds, flush fitting with adjustable depth. Supplied complete with locking catch, feet adjustable for height from 0 to 130 mm and cover for protection during site work.

Size	Pcs. pack	Code
L 500 (540x630x110/160)	1	01301030
L 700 (740x630x110/160)	1	01301032
L 850 (890x630x110/160)	1	01301038
L 1000 (1040x630x110/160)	1	01301034
L 1200 (1240x630x110/160)	1	01301036

Surface-mounting door thickness 15 mm

Dimensions: see section technical attachments



Cabinet in galvanised steel with enamelled door, white colour, key lock, for 120 mm brick thickness, for the installation of modules for measuring consumption.

Box for modules for measuring consumption, flush fitting with adjustable depth. Supplied complete with feet adjustable for height from 0 to 130 mm and cover for protection during site work.

Size	Pcs. pack	Code
L 500 (540x630x110/160)	1	01301108
L 600 (640x630x110/160)	1	01301110
L 700 (740x630x110/160)	1	01301100
L 850 (890x630x110/160)	1	01301102
L 1000 (1040x630x110/160)	1	01301104
L 1200 (1240x630x110/160)	1	01301106

Frame and door to fit flush with wall. Door with key lock.

Dimensions: see section technical attachments



Cabinet in galvanised steel with enamelled door, white colour, for 120 mm brick thickness. Suitable for Modular firstbox - underboiler kit

NEW

Box for Modular Firstbox, flush fitting with adjustable depth. Supplied complete with keylocking catch, feet adjustable for height from 0 to 130 mm and cover for protection during site work.

Size	Pcs. pack	Code
L 500 (540x900x110/160)	1	01301190
L 700 (740x900x110/160)	1	01301192
L 850 (890x900x110/160)	1	01301194
L 1000 (1040x900x110/160)	1	01301196

Frame and door to fit flush with wall.

Dimensions and diagrams: see section technical attachments



External cabinet in galvanised steel with enamelled door, white colour. Suitable for 1"1/4 Topway manifolds.

External box for manifolds, supplied complete with locking catch and cover for protection during site work.

Size	Pcs. pack	Code
L 500 (560x650x130)	1	01301090
L 700 (760x650x130)	1	01301092
L 850 (910x650x130)	1	01301094
L 1000 (1060x650x130)	1	01301096
L 1200 (1260x650x130)	1	01301098

Dimensions: see section technical attachments



Steel co-planar manifold



TECHNICAL SHEET 13

Uses

Mixer manifold is suitable for the close circuit heating system for the connection at radiators thermoconvectors, fan-coils, using the proper seals patented by Emmeti 24x19.

Mixer is suitable for the insertion into the manifold box TermoBox.

Construction

Flange 3/4" and 1" steel AVP

Pipes made in steel De 35 x 2 Fe 360 B UNI EN 10204 thread UNI EN 10226 (UNI EN ISO 7/1)

Connections 24x19 in steel AVP showing inlet / outlet

Connections pipes steel De 14 x 1,5 Fe 360 B UNI EN 10204

Brazing in continuous over 1080 °C with copper 99,9%

Finish treatment with nickel and chrome plating

Technical data

Max. operating pressure 10 bar

Max. operating temperature 110 °C

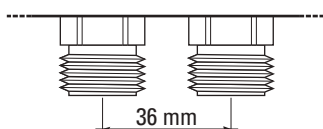
Tested 100%

Note:

lime damages the coating and compromises the life span of the product.

Dimensions: see section technical attachments

Mixer steel co-planar manifold



Mixer steel co-planar manifold

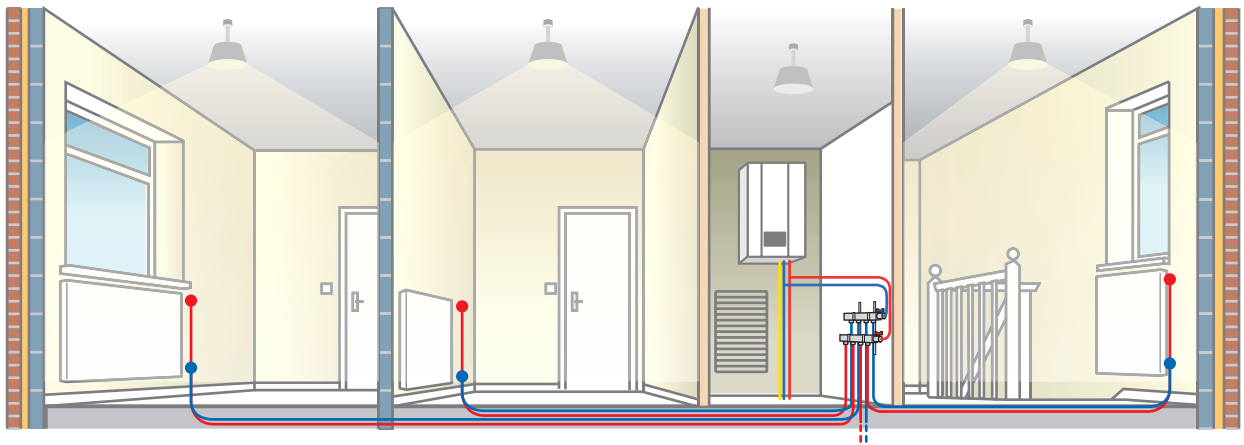
Size	Ways	Pcs. pack	Code
3/4"	2x2	1	01290800
3/4"	4x4	1	01290810
3/4"	6x6	1	01290820
3/4"	8x8	1	01290830
3/4"	10x10	1	01290840
1" (*)	4x4	1	01290850
1" (*)	6x6	1	01290860
1" (*)	8x8	1	01290870
1" (*)	10x10	1	01290880

Emmeti seals 24x19; see section 7

(*) Items to be out of stock

Modular

Brass manifold



WRAS
APPROVED
PRODUCT



TECHNICAL SHEET 13

Construction

Body made of brass ST UNI EN 12165 CW617N with nickel finish
Thread 24x19 Ø 14 mm

Technical data

Maximum operating pressure 10 bar
Maximum operating temperature range 110 °C

Dimensions: see section technical attachments

Modular brass manifold



Modular manifold for copper pipe, multi-layer, Pex, PP, PB, takeoffs 36 mm

Size	Ways	Pcs. pack	Code
3/4"	2	10	01303050
3/4"	3	6	01303052
3/4"	4	10	01303054
1"	2	8	01303060
1"	3	10	01303062
1"	4	8	01303064

Emmeti seals 24x19: see section 7

WRAS
APPROVED
PRODUCT

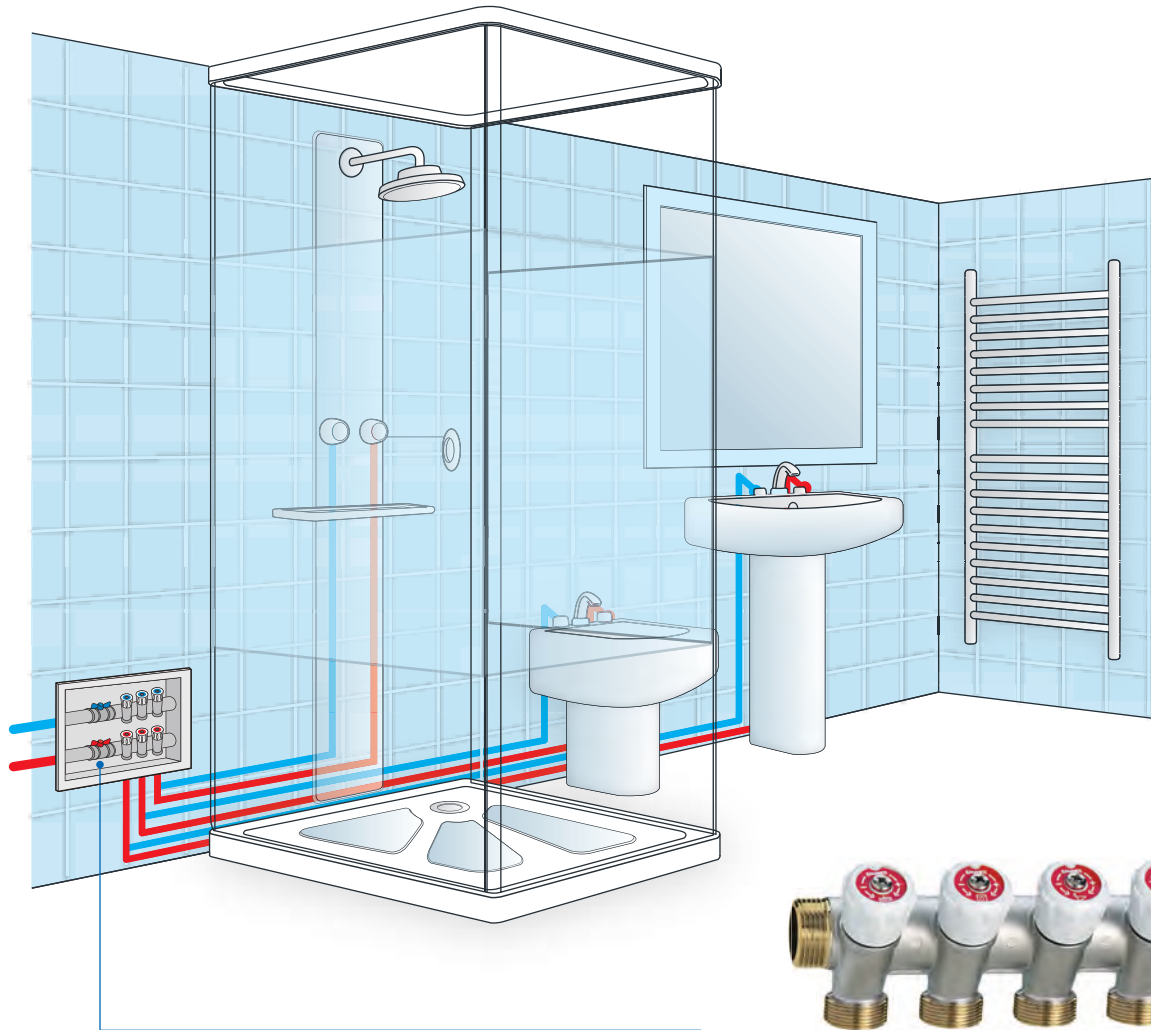
Metallic support takeoffs 50 mm



Size	Pcs. pack	Code
Couple single x 3/4"	1	01306370
Couple double x 3/4"	1	01306374
Couple single x 1"	1	01306372
Couple double x 1"	1	01306376



Brass manifold with bibcocks



WRAS
APPROVED
PRODUCT

Construction

Body made of brass ST UNI EN 12165 CW617N with nickel finish
Thread 24x19
ABS white knobs
Copuling in NBR
Plate indicating the supporting services
Takeoffs centers 36 mm

Technical data

Maximum operating pressure: 10 bar
Maximum operating temperature: 110 °C

Dimensions: see section technical attachments



TECHNICAL SHEET 13

Brass manifold with bibcocks

Multiplex brass manifold with bibcocks



Multiplex brass manifold with isolating taps , sectional with union nipple

Size	Ways	Pcs. pack	Code
3/4"	2	12	01307260
3/4"	3	8	01307265
3/4"	4	6	01307270
1"	2	8	01307280
1"	3	6	01307285
1"	4	4	01307290

Emmeti seals 24x19: see section 7



Multiplex manifold bridging piece

Size	Pcs. pack	Code
3/4"	10	01307200
1"	10	01307210

Accessories for Mixer, Modular, Multiplex manifolds



Nickel-plated plug

Size	Pcs. pack	Code
3/4" M	30	90004820
1" M	15	90004830
3/4" F	30	01291536
1" F	15	01291538



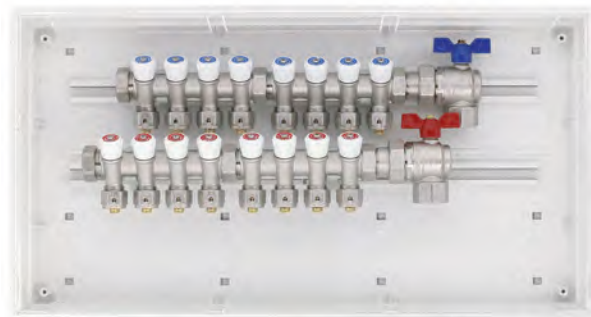
Nickel-plated adapter

Size	Pcs. pack	Code
3/4" M x 3/8" F	30	90005050
1" M x 3/8" F	15	90005060

With o-ring



Plastic manifold box



L 310



L 460



L 610

Uses

Plastic box for manifolds, flush fitting with adjustable depth.
Supplied complete with plastic netting and cover for protection during site work.

Construction

Made of plastic material for toughness and durability
Box in ABS
Cover in PS shock-resistant polystyrene supports in PA6

Termobox plastic manifold box



Termobox universal white plastic manifold box

Size	Pcs. pack	Code
310 x 310 x 90	5	01302090
460 x 310 x 90	3	01302100
610 x 310 x 90	2	01302110



Kit supports for Topway and Topsan manifolds

Type	Size	Pcs. pack	Code
Kit 10 couple supports Topway - Topsan	3/4"	1	01302120
Kit 10 couple supports Topway - Topsan	1"	1	01302130



Kit supports for Modular and Multiplex manifolds

Type	Size	Pcs. pack	Code
10 couples supports kit for Modular - Multiplex	3/4"	1	01302140
10 couples supports kit for Modular - Multiplex	1"	1	01302150

Plastic manifold box



Kit supports for Mixer manifolds

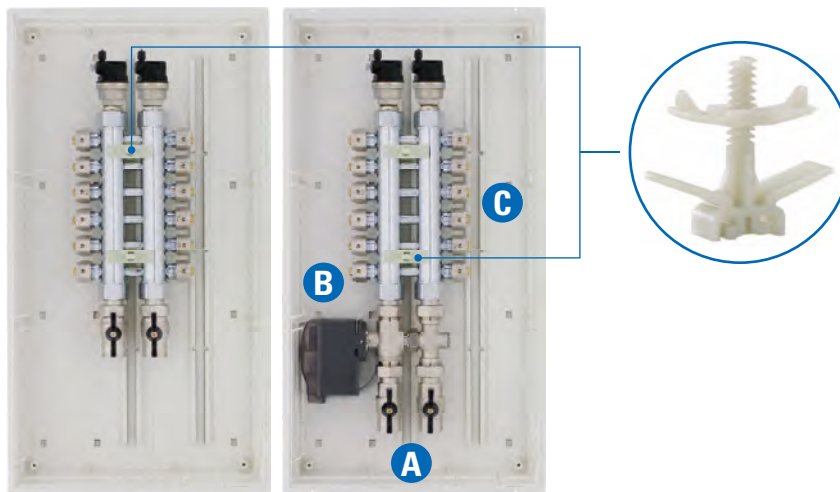
Type	Size	Pcs. pack	Code
10 pieces supports kit for Mixer	3/4" - 1"	1	01302160



Aluminium profilers for supports manifold

Size	Pcs. pack	Code
400 mm	1	01306400
200 mm	1	01306398

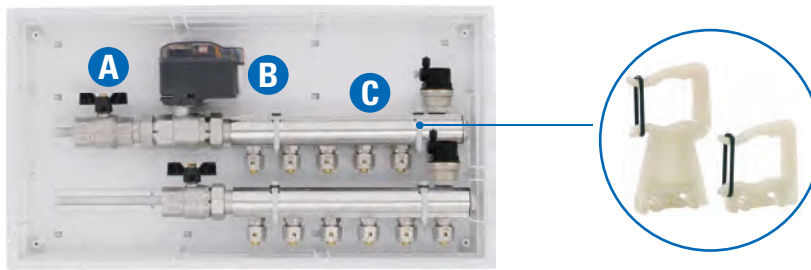
Termobox with Mixer manifold: maximum number of ways



Termobox	1"	3/4"	1"	3/4"	1"	3/4"
	A+C	A+C	B+C	B+C	A+B+C	A+B+C
310 x 310	-	-	-	-	-	-
460 x 310	4 ways	4 ways	4 ways	4 ways	-	2 ways
610 x 310	8 ways	8 ways	8 ways	8 ways	6 ways	6 ways

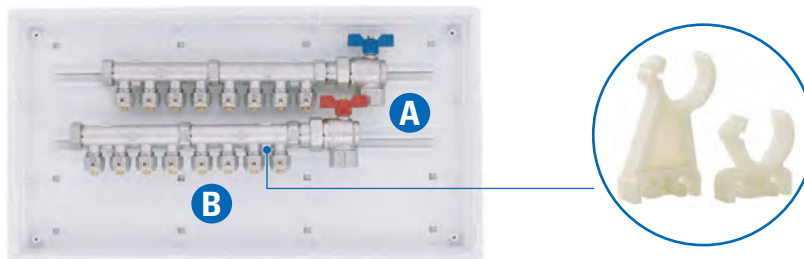


Termobox with Topway manifolds: maximum number of ways



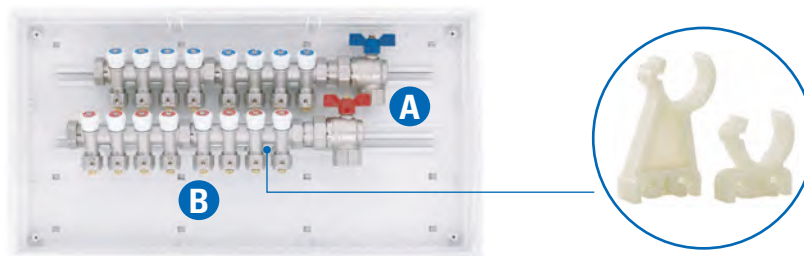
Termobox	1" A+C	3/4" A+C takeoff 50 mm	3/4" A+C takeoff 36 mm	1" B+C	3/4" B+C takeoff 50 mm	3/4" B+C takeoff 36 mm	1" A+B+C	3/4" A+B+C takeoff 50 mm	3/4" A+B+C takeoff 36 mm
310 x 310	2 ways	3 ways	4 ways	-	2 ways	2 ways	-	-	-
460 x 310	5 ways	6 ways	8 ways	4 ways	5 ways	6 ways	3 ways	4 ways	5 ways
610 x 310	8 ways	9 ways	12 ways	7 ways	8 ways	11 ways	6 ways	7 ways	9 ways

Termobox with Modular manifold: maximum number of ways



Termobox	1" A+B	3/4" A+B
310 x 310	3 ways	4 ways
460 x 310	7 ways	8 ways
610 x 310	12 ways	12 ways

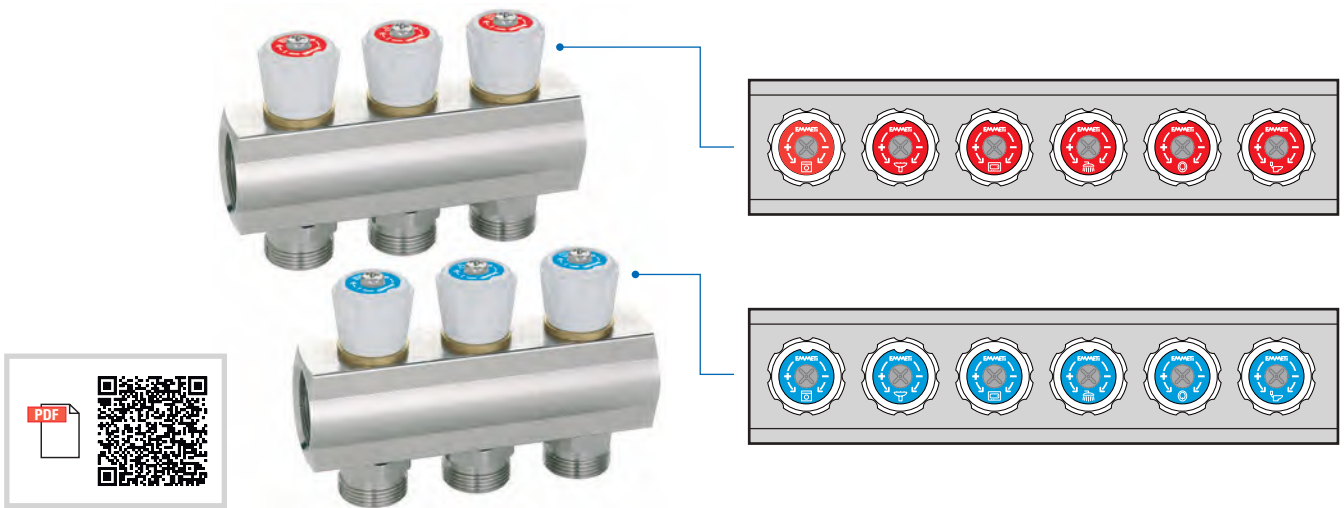
Termobox with Multiplex or Topsan manifold: maximum number of ways



Termobox	1" A+B takeoffs 36 mm	3/4" A+B takeoffs 36 mm
310 x 310	3 ways	4 ways
460 x 310	7 ways	8 ways
610 x 310	12 ways	12 ways

TopSan

Sanitary manifold with bibcocks



TECHNICAL SHEET 13

Construction

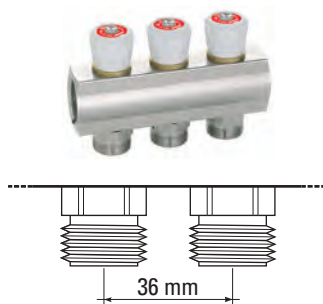
Brass header retrieved through a bar drawing process TN UNI EN 12168 CW614N
 Head threads G 3/4"
 Lateral threads M 24x19
 ABS white colour knobs
 Gasket in NBR
 Plate indicating the support services
 Takeoffs 36 mm centers

Technical data

Maximum operating pressure: 10 bar
 Maximum operating temperature: 110 °C
 Note:
 seals on head thread ONLY with o-ring, DO NOT USE tapered threads

Dimensions: see section technical attachments

Topsan sanitary manifold with bibcocks



Topsan 24x19 sanitary manifold with bibcocks

Size	Ways	Pcs. pack	Code
3/4"	4	2	01282054
3/4"	5	2	01282056
3/4"	6	2	01282058

Takeoffs 36 mm



Modulo Compact

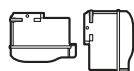


Motor driven ball-valve

IP 55



IP 50



TECHNICAL SHEET 11

Valve technical data

Valve body made brass ST UNI EN 12165 CW617N with nickel finish
 Ball made brass ST UNI EN 12165 CW617N chromium plated
 Operating temperature range from -40 to 100 °C (circulating fluid)
 Operating pressure PN 40
 Maximum differential pressure 6 bar
 Seals PTFE
 Fittings for operating rod HNBR

Note:
 in the 3-way type is granted the flow port during the running operations.

Servomotor technical data

Power supply 230 V / 50 Hz or 24 Vac in function of model
 Absorption 4 VA
 Rotation angle 90° (2 ways) - 180° (3 ways) - 90/270° (4 ways)
 Rotation time 60" (2 ways) - 120" (3 ways) - 60/180" (4 ways)
 Torque: 8 Nm
 Auxiliary contact 1-free 5 A / 230 V (on-off)
 Protection class IP 55 IP 50
 Insulating class: II
 Indicator open valve (2 ways) diverted flux c-sx c-dx (3 ways)

Modulo Compact motor driven ball-valve



Modulo Compact 230 Vac 2 ways with pipe union connection with thread

Size	Ways	Pcs. pack	Code
1/2"	2	1	01425800
3/4"	2	1	01425802
1"	2	1	01425804



Modulo Compact 230 Vac three ways diverter with pipe union connection with thread

Size	Ways	Pcs. pack	Code
1/2"	3	1	01425806
3/4"	3	1	01425808
1"	3	1	01425810



Modulo Compact 230 Vac 2 ways, Female Female thread

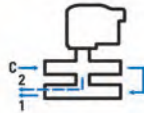
Size	Ways	Pcs. pack	Code
1/2"	2	1	01425820
3/4"	2	1	01425822
1"	2	1	01425824

Motor driven ball-valve



Modulo Compact 230 Vac 3 ways diverter, Female Female thread

Size	Ways	Pcs. pack	Code
1/2"	3	1	01425826
3/4"	3	1	01425828
1"	3	1	01425830



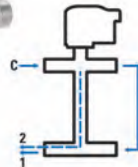
Modulo Compact 230 Vac 4 ways 49÷61mm / 53÷65 mm centers with by-pass

Size	Pcs. pack	Code
3/4" for Mixer manifold (*)	1	01425840
1" for Mixer manifold (**)	1	01425842

(*) 49-61 mm centers

(**) 53-65 mm centers

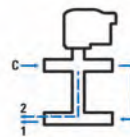
Items to be out of range



Modulo Compact 230 Vac 4 ways 190÷210 mm centers with by-pass

Size	Pcs. pack	Code
1" for Topway manifold	1	01425850

Items to be out of range



Modulo Compact 230 Vac 4 ways 90÷100 mm centers with by-pass for installation in Termobox box

Size	Pcs. pack	Code
1" for Topway manifold (*)	1	01425846

(*) Impossible to use in Termobox with Modular / Multiplex manifolds

Items to be out of range



Differential valve for by-pass

Size	Pz. conf.	Codice
	1	01306360

Overpressure valve from 0,2 to 0,5 bar for the T fitting of 4 ways Modulo Compact



Servomotor for motorised ball valve Modulo Compact

Size	Pcs. pack	Code
2 vie - 230 Vac	1	01425860
3 vie - 230 Vac	1	01425862
4 vie - 230 Vac	1	01425864
2 vie - 24 Vac	1	01425866
3 vie - 24 Vac	1	01425868
4 vie - 24 Vac	1	01425870



Insulating shells for servomotor for Modulo Compact

Size	Pcs. pack	Code
Insulating shell for servomotor for Modulo Compact	1	90045270

In close-cell expanded polyethylene

Modulo Plus

Motor driven ball-valve

IP 55



IP 50



Valve technical data

Valve body made brass ST UNI EN 12165 CW617N with nickel finish
 Ball made brass ST UNI EN 12165 CW617N chromium plated
 Operating temperature range from -40 to 100 °C (circulating fluid)
 Operating pressure PN 40
 Maximum differential pressure 6 bar
 Seals PTFE
 Fittings for operating rod HNBR

Note:
 in the 3-way type is granted the flow port during the running operations.

Servomotor technical data

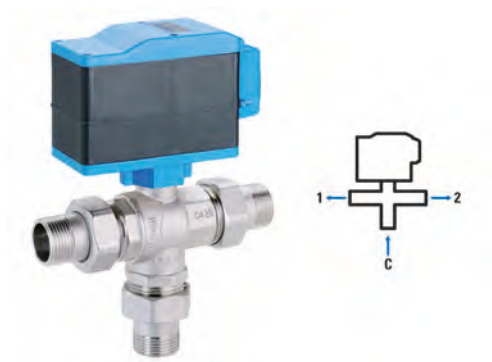
Power supply 230 V / 50 Hz
 Absorption 4 VA
 Rotation angle 90° (2 ways) - 180° (3 ways)
 Rotation time 60" (2 ways) - 120" (3 ways)
 Maximum torque 28 Nm (230 V)
 Auxiliary contact 1-free 6 A / 230 V (on-off)
 Protection class IP 55 IP 50
 Insulating class: II
 Indicator open valve (2 ways) diverted flux c-sx c-dx (3 ways)

Modulo Plus motor driven ball-valve



Modulo Plus 230 Vac 2 ways with pipe union connection with thread

Size	Ways	Pcs. pack	Code
1"1/4	2	1	01425700
1"1/2	2	1	01425702
2"	2	1	01425704



Modulo Plus 230 Vac three ways diverter with pipe union connection with thread

Size	Ways	Pcs. pack	Code
1"1/4	3	1	01425710
1"1/2	3	1	01425712
2"	3	1	01425714



Modulo Plus 230 Vac 2 ways, Female Female thread

Size	Ways	Pcs. pack	Code
1"1/4	2	1	01425730
1"1/2	2	1	01425732
2"	2	1	01425734



Modulo Plus 230 Vac 3 ways diverter, Female Female thread

Size	Ways	Pcs. pack	Code
1"1/4	3	1	01425740
1"1/2	3	1	01425742
2"	3	1	01425744



Servomotor for motorised ball valve Modulo Plus

Size	Pcs. pack	Code
2 ways - 230 Vac	1	01420170
3 ways - 230 Vac	1	01420172

Bodies for motorized ball valves

Bodies for motorized ball valves



Body for Modulo 2 ways with pipe union connection with thread

Size	Ways	Pcs. pack	Code
1/2" (*)	2	1	90021400
3/4" (*)	2	1	90021410
1" (*)	2	1	90021420
1"1/4 (**)	2	1	90021430
1"1/2 (**)	2	1	90021440
2" (**)	2	1	90021450

(*) Recommended for Modulo Compact - (**) Recommended for Modulo Plus



Body for Modulo 3 ways with pipe union connection with thread

Size	Ways	Pcs. pack	Code
1/2" (*)	3	1	90021320
3/4" (*)	3	1	90021460
1" (*)	3	1	90021470
1"1/4 (**)	3	1	90021480
1"1/2 (**)	3	1	90021490
2" (**)	3	1	90021500

(*) Recommended for Modulo Compact - (**) Recommended for Modulo Plus



Body for Modulo 2 ways Female Female thread

Size	Ways	Pcs. pack	Code
1/2" (*)	2	1	90021200
3/4" (*)	2	1	90021210
1" (*)	2	1	90021220
1"1/4 (**)	2	1	90021230
1"1/2 (**)	2	1	90021240
2" (**)	2	1	90021250

(*) Recommended for Modulo Compact - (**) Recommended for Modulo Plus



Body for Modulo 3 ways Female Female thread

Size	Ways	Pcs. pack	Code
1/2" (*)	3	1	90021310
3/4" (*)	3	1	90021260
1" (*)	3	1	90021270
1"1/4 (**)	3	1	90021280
1"1/2 (**)	3	1	90021290
2" (**)	3	1	90021300

(*) Recommended for Modulo Compact - (**) Recommended for Modulo Plus



Body for Modulo Compact 4 ways 49-61 mm / 53-65 mm centers for by-pass

Size	Pcs. pack	Code
3/4" (*)	1	90021950

(*) for Mixer manifold 49-61 mm centers - (**) for Mixer manifold 53-65 mm centers
NB. Do not used with Modulo Plus

Items to be out of range

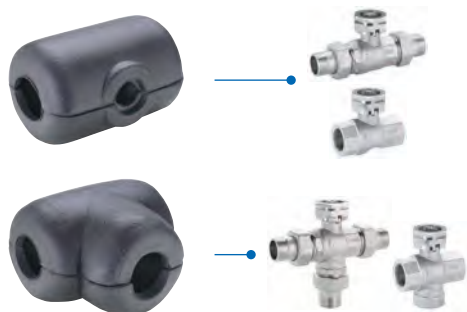


Body for Modulo Compact 4 ways 190-210 mm centers for by-pass

Size	Pcs. pack	Code
1" for Topway manifold	1	90021980

NB. Do not used with Modulo Plus

Items to be out of range



Insulating shells for Modulo ball valves

Size	Pcs. pack	Code
Insulating shell for ball valve 2 ways 1/2"	1	90045150
Insulating shell for ball valve 2 ways 3/4"	1	90045160
Insulating shell for ball valve 2 ways 1"	1	90045170
Insulating shell for ball valve 2 ways 1" 1/4	1	90045180
Insulating shell for ball valve 2 ways 1" 1/2	1	90045190
Insulating shell for ball valve 2 ways 2"	1	90045200
Insulating shell for ball valve 3 ways 1/2"	1	90045210
Insulating shell for ball valve 3 ways 3/4"	1	90045220
Insulating shell for ball valve 3 ways 1"	1	90045230
Insulating shell for ball valve 3 ways 1" 1/4	1	90045240
Insulating shell for ball valve 3 ways 1" 1/2	1	90045250
Insulating shell for ball valve 3 ways 2"	1	90045260

In close-cell expanded polyethylene



Regulation and control

> Touch screen
chronothermostat



91

> PCOC
controller



103

> Touch screen
chronothermostat



94

> Climatic
regulation



104

> Touch screen
thermostat



95

> NCTA W
chronothermostat



106

> Room
thermostat



96

> Chronothermostat/
humidistat



108

> Emmeti Climatic
regulator



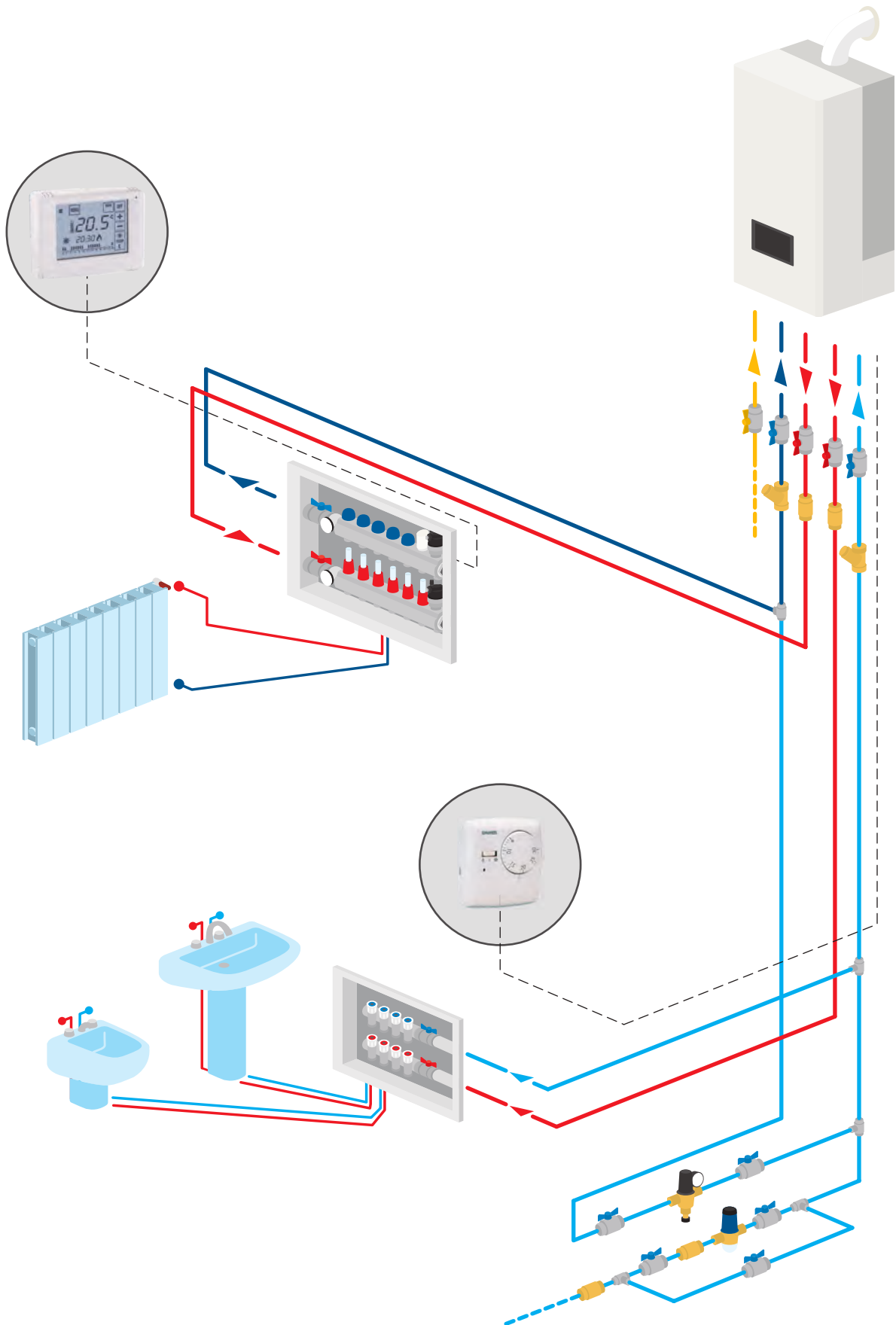
98

> Electronic
humidistat



109

Example of installation



Smarty chronothermostat



Weekly touch screen backlight chronothermostat



TECHNICAL SHEET 54

Technical data

External dimensions: 120 x 90 x 28 mm
 Touch-screen display 80 x 55 mm (3,8")
 Weekly programming for periods of at last 30 minutes.
 Temperatures can be adjusted on three levels:
 - Comfort
 - Energy saving
 - Off with the option of setting the anti-freeze protection.
 Temperature adjustment range from 4 to 40 °C (from 40 to 99.4 °F) with 0.5 °C/F intervals.
 System on/off differential, 0.5 °C (can be modified)
 Summer/Winter function
 Operating and storage temperature between 0 and 40 °C
 Fitted with reminder alarm
 Partially recessed (230 V mod.) or covered fastening (battery mod.) in a standard 503 box.
 Display with backlight

Electrical data - version with 230 V power supply

Power supply from 110 to 230 V - 50/60 Hz
 Protection rating IP20
 System activation contact: relay with 1 free deviation contact 6÷230 V - 5 (0.5) A max.
 Contact for telephone actuator or centralised Summer-Winter commuter.

Electrical data - version with battery power supply

Power supply with 2 alkaline batteries AAA - LR3 - 1.5 V
 Protection rating IP20
 System activation contact: relay with 1 free deviation contact 6÷230 V - 5 (0.5) A max.

Dimensions: see section technical attachments



Smarty weekly touch screen backlight chronothermostat

Size	Pcs. pack	Code
Wall backlight chronothermostat with battery power supply	1	01514220
Semi-recessed backlight chronothermostat with 230 V power supply	1	01514222

Smarty thermostats

Touch Screen backlight thermostats

NEW



TECHNICAL SHEET 54

Technical data with daily programming

External dimensions: 120 x 90 x 28 mm

Touch-screen display 80 x 55 mm (3,8")

Daily programming for periods of at last 1 hour.

Temperatures can be adjusted on 2 levels:

- Comfort
- Energy saving

Switched off manually with the option of setting the anti-freeze protection.

Temperature adjustment range from 4 to 40 °C (from 40 to 99.4 °F) with 0.5 °C/F intervals.

System on/off differential, 0.5 °C (can be modified)

Summer/Winter function

Operating and storage temperature between 0 and 40 °C

Fitted with reminder alarm

Partial recessed (230 V mod.) or covered fastening (battery mod.) in a standard 503 box.

Display with backlight

Electrical data - versions with 230 V power supply

Power supply from 110 to 230 V - 50/60 Hz

Protection rating IP20

System activation contact: relay with 1 free deviation contact 6÷230 V - 5 (0.5) A max.

Contact for telephone actuator or centralised Summer-Winter commuter.

Technical data manual control ambient thermostat

External dimensions: 120 x 90 x 28 mm

Touch-screen display 80 x 55 mm (3,8")

Operating temperature selected manually and switched off manually with the option of setting the anti-freeze protection.

Temperatures can be adjusted on 2 levels:

- Comfort
- Energy saving

Temperature adjustment range from 4 to 40 °C (from 40 to 99.4 °F) with 0.5 °C/F intervals (adjustable).

System on/off differential, 0.5 °C (adjustable)

Summer/Winter function

Operating and storage temperature between 0 and 40 °C

Partial recessed (230 V mod.) or covered fastening (battery mod.) in a standard 503 box.

Electrical data - versions with battery power supply

Power supply with 2 alkaline batteries AAA - LR3 - 1.5 V

Protection rating IP20

System activation contact: relay with 1 free deviation contact 6÷230 V - 5 (0.5) A max.

Dimensions: see section technical attachments



Smarty touch screen backlight thermostat



Touch Screen backlight thermostat with daily programming

Size	Pcs. pack	Code
Wall backlight thermostat with daily programming and battery power supply	1	01514226
Semi-recessed backlight thermostat with daily programming and 230 V power supply	1	01514224



Manually room backlight thermostat touch screen

Size	Pcs. pack	Code
Wall backlight thermostat with battery power supply	1	01514230
Semi-recessed backlight thermostat with 230 V power supply	1	01514228

Recessed touch-screen chronothermostat

Chronothermostats



Electronic touch-screen chronothermostat with weekly programming and recessed installation in a 3-modules box, designed to control the room temperature, both in heating and air-conditioning mode.

Both mains and battery-operated versions available.

- Installation in a 3-modules recessed box (503)
- Supports to adapt the instrument to the plates of the main civil series
- Touch-screen display to show the measured temperature and program the instrument
- Terminal board at the back of the instrument to connect the output relay of the power supply (only for the 230 Vac model) and the external contact (only for the battery-operated model)
- Interchangeable front panel available in white and anthracite grey (included)
- Procedure to extract the push-push instrument (only for the battery-operated model) to make it easier to replace the battery
- Backlit display: multicolour red, green, blue for the 230 Vac model; single-colour blue touch-screen display for the battery-operated model

Adapters included for use with the following plates:

ABB: Chiara, Mylos

AVE: S44

BTICINO: Axolute, Light, Light tech, Living, Livinglight, Livinglight Air (via a frame that can be purchased separately), Matix

GEWISS: Chorus

VIMAR: Eikon, Eikon Evo, Idea, Plana

Technical Data

Power supply:

230 VAC 230 (-15% ÷ +10%) 50/60 Hz (230 model)

2 x 1.5 V (AAA) (battery-operated model)

Installation: recessed

Maximum cable cross-section: mm² 1.5

Programming: weekly

Operating modes: summer / winter / off

Type of adjustment: ON/OFF and proportional

Differential: 0.1÷1 °C

Temperatures that can be set: 3 + manual + antifreeze

Setpoint values that can be set: 2÷35 °C

Measured temperature resolution: 0.1 °C

Measurement accuracy: 0.5 °C

Antifreeze temperature (can be excluded) 1÷10 °C

Programming resolution: 1 hour

Start-up delay: 15, 30 or 45 minutes

Output relay capacity: 5 A / 250 V (bistable)

Clock accuracy: ± 1 s/day

Digital input (only for the battery-operated model): to turn off the instrument remotely

Operating temperature: 0÷50 °C

Storage temperature: -10 ÷ 65 °C

Operating humidity: RH 20%÷90%, non-condensing

Protection rating: IP40

Dimensions: see section technical attachments

Recessed touch-screen chronothermostat



Recessed touch-screen chronothermostat

Size	Pcs. pack	Code
230 V	1	02018086
Battery	1	02018088
BTicino LivingLightAir plate adapter	1	01306296



Thermostats



Touch-screen electronic thermostat with recessed installation in a 3-modules box, designed to control the room temperature, both in heating and air-conditioning mode, both mains and a battery-operated versions available.

- Installation in a 3-modules recessed box (503)
- Supports to adapt the instrument to the plates of the main civil series
- Touch-screen display to show the measured temperature and program the instrument
- Terminal board at the back of the instrument to connect the output relay of the power supply (only for the 230 Vac model) and the external contact (only for the battery-operated model)
- Interchangeable front panel available in white and anthracite grey (included)
- Procedure to extract the push-push instrument (only for the battery-operated model) to make it easier to replace the battery
- Backlit display: multicolour red, green, blue for the 230 Vac model; single-colour blue touch-screen display for the battery-operated model

Adapters included for use with the following plates:

ABB: Chiara, Mylos

AVE: S44

BTICINO: Axolute, Light, Light tech, Living, Livinglight, Livinglight Air (via a frame that can be purchased separately), Matix

GEWISS: Chorus

VIMAR: Eikon, Eikon Evo, Idea, Plana

Technical Data

Power supply:

230 VAC 230 (-15% ÷ +10%) 50/60 Hz (230 model)

2 x 1.5 V (AAA) (battery-operated model)

Installation: recessed

Maximum cable cross-section: 1.5 mm²

Output relay capacity: 5A/250V (bistable)

Operating time: 12 months

Input: two terminals to reduce the setpoint (battery-operated model only)

Operating modes: summer/winter/off

Setpoint values that can be set: 2÷35 °C

Differential: 0.1÷1 °C

Measured temperature resolution: 0.1 °C

Measurement accuracy: 0.5 °C

Antifreeze temperature: 1÷10 °C

Operating temperature: 0÷50 °C

Storage temperature: -10-65°C

Operating humidity: 20%÷90%, non-condensing RH

Protection rating: IP40

Dimensions: see section technical attachments

Recessed touch-screen thermostat



Recessed touch-screen thermostat

Size	Pcs. pack	Code
230 V	1	02018082
Battery	1	02018084
BTicino LivingLightAir plate adapter	1	01306296

Room thermostat



TECHNICAL SHEET 51

Technical data

Gas expansion sensible element
 Temperature limiting/blocking device
 Protection class: IP 20
 Contact's rating: 10 (2,5) A - 250 V
 Temperature range: from 5 to 30 °C
 Temperature differential: 1,4 °C (4 °C/h)
 Dimensions: 90 x 90 x 40 mm
 Weight: from 130 to 145 gr
 Antifreeze protection
 Double insulation

[Dimensions: see section technical attachments](#)

Termec room thermostat



Termec thermostat

Size	Pcs. pack	Code
3 contacts	1	02001012
3 contacts with lamp	1	02001014
3 contacts with lamp + indep. switch	1	02001016
3 contacts with lamp + on/off switch	1	02001018
2 contacts with lamp + summer/winter off switch	1	02001020



Electronic room thermostat



Electronic room thermostat

Power supply: 230 Vac 50 Hz - Range temperature: 0÷50 °C - Protection rate: IP 30 - Absorption: 1 VA - Contact's rating: 5 (1) AC 250 Vac - Rcd triggering: 0,5 °C - Dimensions: 85 x 85 x 31 mm

Size	Pcs pack	Code
Simply	1	02018044
With summer/winter switch	1	02018046

Thermostats for fancoils



Contact thermostat for fan-coil

Free contact: 250 V -10 (2,5 A) - Contact closes: 42 °C - Contact opens: 34 °C

Size	Pcs. pack	Code
	1	02012030

RCE - Emmeti Climatic Regulator

RCE - Emmeti Climatic Regulator for mixing units



Mixing system thermoregulator for automatic control of heating and cooling functions of small and medium systems with radiant panels (floor and ceiling) or with high temperature (radiators, fancoils), such as houses, apartments, shops, offices, etc. Option of managing a centralised system. This regulator manages the different functions required for the climatic control of the mixing system, such as controlling a mixing valve and relative pump.

Features

One of the main features is the different management of the delivery temperature according to the selected mode:

- 'Fixed point' mode: fixed delivery temperature in both heating and cooling mode;
- 'Modulating' mode: fixed delivery temperature in cooling mode and variable delivery temperature in heating mode.

In the latter case, the delivery temperature is modified compared to the temperature set according to the system return temperature.

- 'Climatic' mode: the delivery temperature is calculated according to the outdoor temperature (winter and summer climatic curve).

The regulator also manages the pump of the system and can control a mixing valve with floating servomotor 3-point or modulating servomotor 0-10 Vdc.

Important

Install a dew sensor for every delivery manifold in systems that also run in cooling mode. Every delivery manifold must be positioned in an area adjacent to the room to be cooled, in order to have equal temperature and humidity conditions. Moreover, the room must have a suitable air handling system (e.g. a dehumidifier regulated by a humidistat to control room humidity).

How to choose the components

Single system

Two-floor detached house with one mixing valve and two delivery manifolds (one per floor).

The system runs both in heating and cooling mode.

Components required:

nr. 1 Emmeti climatic regulator kit for mixing units (code 28139070).

Note: the required components for "fixed point" mode or "modulating" mode are found in the packaging.

For "climatic" mode, add 1 "external probe housing" (code 28139076) to install one of the probes found in the packaging outdoors.

nr. 2 "dew sensors" (code 28139072), install one for each delivery manifold. Both probes must be connected directly to the climatic regulator.

Central system

Central system for heating and cooling mode of a condominium consisting of 20 apartments and one single mixing valve in heating unit.

Every apartment has one zone valve installed for the heat transfer fluid flowing towards the delivery manifold of the apartment.

Components required:

nr. 1 Emmeti climatic regulator kit for mixing units (code 28139070) in heating unit.

Note: the required components for "fixed point" mode or "modulating" mode are found in the packaging.

For the "climatic" mode, add the "external probe housing" (code 28139076) to install one of the probes found in the packaging outdoors.

For each apartment

- nr. 1 "dew sensor" code 28139072) to be installed on the delivery manifold. (Total 20 pcs).

- nr. 1 converter for dew sensor code 28139074), to which the dew sensor will be connected; it controls the zone valve, closing it in case of a condensation alarm. (Total 20 pcs).

- nr. 1 "230 V - 24 V, 10 VA transformer" (code 28139130) to power the dew sensor converter. (Total 20 pcs).



RCE - Emmeti Climatic regulator for mixing units



Emmeti Climatic regulator kit for mixing units

Composition

- nr. 1 Emmeti Climatic Regulator (RCE)
- nr. 2 NTC temperature probes
- nr. 1 Probe-holder kit
- nr. 1 Wall plug for display
- nr. 1 male/female connector kit for display extension cable (connectors for 4-pin MSTB printed circuit boards)

Technical data of the climatic Regulator

Power supply: 110-230 Vac \pm 10%; 50/60 Hz
 Double insulation
 Contact capacity: 5 A / 230 Vac
 Protection rating IP20
 Connected to DIN (EN 60715) guide (optional) according to standards DIN 43880
 Regulator material: Self-extinguishing PPO
 Regulator colour: RAL 7035 grey
 Dimensions: 6 DIN modules (95 x 105 x 82 mm)
 Display material: PC/ABS
 Display colour: white

Inputs and outputs climate Regulator

2 analogic inputs for NTC temperature probes (flow temperature, return/external temperature),
 4 digital inputs free of voltage (heating/cooling/dehumidification consensus, change of season, remote on/off, alarms).
 1 digital output for the circulator,
 1 digital output for the generator consensus,
 1 digital output to a floating servomotor 3 points and 1 analogic output to a modulating servomotor 0-10 V (the regulator can manage only one servomotor)

Technical data of temperature Probes

Type: NTC; 10K Ω at 25°C; IP68;
 cable length: 3 m;
 probe length 50 mm,
 probe \varnothing 6 mm

Technical data of the wall plug for display

Fixing on 503 standard box

Size	Pcs. pack	Code
	1	28139070

Dimensions: see section technical attachments

Accessories for Emmeti Climatic Regulator for mixing units



Dew sensor

Power supply: 15 Vdc \pm 10% - RH% of intervention: 90-95%

Size	Pcs. pack	Code
	1	28139072

To be used in the event that the Emmeti climatic regulator for mixing units operates also in cooling mode. Order one dew sensor for each system delivery manifold.

Dimensions: see section technical attachments

RCE - Emmeti Climatic Regulator for mixing units



Converter for dew sensor

Power supply: 24 Vac \pm 10%; 50/60 Hz

Max. consumption 4.5 W

Contact capacity: 5 A / 230 Vac

Protection rating: IP20

Connected to DIN (EN 60715) guide (optional) according to standards DIN 43880

Converter material: Self-extinguishing PPO

Converter colour: RAL 7035 grey

Dimensions: 2 DIN modules (95 x 35 x 58 mm).

Size	Pcs. pack	Code
	1	28139074

To be used for central system operating also in cooling mode with one single mixing valve. Order one converter for each zone valve installed per apartment for the heat transfer fluid to flow in the apartment.

Dimensions: see section technical attachments



Transformer 230/24V 10 VA

230/24V, P=10VA, f=50/60Hz

Size	Pcs. pack	Code
2 DIN modules	1	28139130

To be used to power maximum two converters per dew sensor (code 28139074) or to power 0-10V / 24 Vac servomotors (the number of servomotors that can be powered depends on the load required).

Dimensions: see section technical attachments



Socket for immersion type water sensor

Size	Pcs. pack	Code
G 1/4", L=83 mm	1	28153220

Dimensions: see section technical attachments



Housing for external probe

Material: Self-extinguishing ABS

Colour: white

Housing equipped with cable gland

Dimensions: 80x80x25 mm

Size	Pcs. pack	Code
	1	28139076

To be ordered if you use the Emmeti Climatic Regulator in climatic mode



Probe holders kit

2 permanent adhesive probe holders for probes (diameter 6 mm, maximum length 70 mm) in contact on the pipe

Size	Pcs. pack	Code
	1	01306294



NEW



DIN rail kit for RCE

DIN rail installation kit for RCE components (controller, converter, transformer). Consisting of two guides omega DIN 35x7.5 mm, L = 80 mm and 4 screws.

Size	Pcs. pack	Code
	1	01301242



Recessed electronic humidistat

Recessed humidistat to adjust humidity in domestic environments
Installation in boxes for three recessed modules
Interchangeable front panel in two colours: anthracite grey and white (included in the package)

Adapters included for use with following plates:

ABB: Chiara

BTICINO: Axolute, Living International, Light, Light tech, Magic, Matrix

VIMAR: Idea, Plana, Eikon

LEGRAND: Cross, Vela quadra, Vela tonda

GEWISS: Chorus, Playbus

SIEMENS: Delta Futura, Delta Geo

Technical data:

Power supply: 230 VAC 50-60 Hz

Consumption: 4 VA (0.7 W)

Contact capacity 250 VAC: 5 A

Adjustment range: 30% - 90%

Differential: $\pm 2.5\%$

Operating temperature: 0 °C - 50 °C

Storage temperature: -10 °C - 60 °C









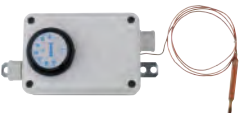


Protection rating: IP40 front

Size	Pcs. pack	Code
	1	28154580

Dimensions: see section technical attachments

RCE - Emmeti Climatic Regulator for mixing units

RCE Climate control unit selection guide

Components	Type of application			
	 Floor Control Unit Floor Control Unit Plus Section 11	 Mixing Unit M3V Section 11	 Modular Firstbox Section 11	 Three-ways mixing valve Section 5
 28139070 - Section 4	1	1	1	1
 28157210 or 28157220 - Section 11	1	1	1	
 28130208 or 28130206 ⁽²⁾ or 28130209 ⁽³⁾ - Section 5				1
 28130084 ⁽¹⁾ - Section 5				1
 28130632 - Section 3	1	1	1	
 02012038 - Section 5				1
 28153220 ⁽⁴⁾ - Section 4				1

⁽¹⁾ Code 28130084: to be combined with the three-way mixer valves codes 28130218, 28130220, 28130222.

⁽²⁾ Code 28130206: Can be used in combination with three-way mixing valves for electronic adjustment kits with codes 28130210 - 28130212 - 28130214 - 28130216.

⁽³⁾ Code 28130209: Can be used in combination with three-way mixing valves for electronic adjustment kits with codes 28130210 - 28130212 - 28130214 - 28130216 - 28130218 - 28130220 - 28130222.

⁽⁴⁾ Code 28153220: If the RCE regulator is used in modulating mode, order two wells, one for the delivery probe and the other one for the return probe.



Climatic thermoregulation of modular system



PCOC controller

Power supply 24 Vac +10/-15% 50/60 Hz e 28 Vdc +10/-20%
 Max. consumption P=11 W, P=14VA
 Terminal strip with unpluggable M/F connector, max. voltage 250 Vac
 Cable size min. 0.5 mm² - max 2,5 mm²
 Index of protection IP20, IP40 at front panel only
 DIN rail mounting according do DIN 43880 and CEI EN 50022 standards
 Material: tecnopolymer - Size: 6 DIN modules
 Self-extinguishing class V2 according to UL94 and 960 °C according to IEC 695
 Ball test rating 125 °C - Creep current resistance ≥ 250 V - Colour RAL 7035 grey
 Cooling slots

Size	Pcs. pack	Code
PCOC Controller with user terminal	1	28154142
PCOC Controller for external user terminal (*)	1	28154132
Screw type connector kit PCOC	1	28154150

(*) to be combined with the large terminal with frame (code 28154171)

Dimensions: see section technical attachments



Remote terminal with display

Maximum distances

Maximum length of pLAN network: 500 m with AWG22 shielded pair cable.
 PCOC terminal distance: 50 m with telephone cable 500 m with AWG22 shielded pair cable. **Note:** to achieve maximum length, use a bus type with distribution lines not exceeding 5 metres.

Plastic casing

Clear front cover: clear polycarbonate
 Anthracite grey rear casing (wall/recess): polycarbonate + ABS
 Keypad: silicone rubber - Clear glass/surround: clear polycarbonate
 Self-extinguishing class: V0 at clear front panel and rear casing
 HB at silicone keypad and remaining parts.

Electrical specifications

Power supply from pCO via telephone connector or 18/30 Vdc external source
 Protected by external 250 mA fuse - Maximum consumption: 1.2 W.

Size	Pcs. pack	Code
Large terminal with surrond	1	28154171

Use the remote large terminal (code 28154171) as the main display for the PCOC Regulator for the external user terminal (code 28154132). There is always the option of using two terminals as displays. For this purpose, use the PCOC Regulator as the user terminal (code 28154142) together with the remote terminal (code 28154171). This allows to view and control the system both from the regulator and the terminal (both with displays).
 Inclusive of frame for large terminal.

Dimensions: see section technical attachments



PCOE modules

Power supply 24 Vac +10/-15% 50/60 Hz and 28 Vdc +10/-20%
 Max. consumption P=6 W, P=7VA
 Terminal strip with unpluggable M/F connector, max. voltage 250 Vac
 Cable size min. 0.5 mm² - max 2,5 mm²
 Index of protection IP20, IP40 at front panel only
 DIN rail mounting according do DIN 43880 and CEI EN 50022 standards
 Material: tecnopolymer - Size: 4 DIN modules
 Self-extinguishing class V0 according to UL94 and 960 °C according to IEC 695
 Ball test rating 125 °C - Creep current resistance ≥ 250 V - Colour RAL 7035 grey
 Cooling slots

Size	Pcs. pack	Code
PCOE Module (*)	1	28154261
Screw type connector kit PCOE	1	28154270

(*) the PCOE Module can be configured to:
 - increase the number of areas (MOD_Z1, MOD_Z2, MOD_Z3)
 - manage 3-point servomotors for mixing valves (MOD_M3P)

Dimensions: see section technical attachments

Climate control unit

Climate control unit



Room sensor temperature - humidity bus recessed with display

NEW

Alimentazione modello 230Vac: 230 Vac (+10 -15%) 50/60 Hz

Alimentazione modello 24Vac: 24 Vac (+10 -15%), 22 - 35 Vdc

Sezione dei conduttori: 0,5 mm² - 1,5 mm²

Assorbimento massimo: 2 VA

Condizioni di funzionamento: -10T60°C, 10 - 90% U.R.

Grado di protezione dell'involucro: IP20

Precisione della misura di temperatura: range 0T40 °C ±1 °C; oltre: ± 1,5 °C

Collegamenti: seriale 485: AWG 20 - 22, cavo schermato, Lmax=500 m

Note: per montare la parte posteriore occorre almeno una scatola a incasso Ø 65 mm e profondità 31 mm

Size	Pcs. pack	Code
Room temperature sensor bus 24Vac	1	28154331
Room temperature and humidity sensor bus 24Vac	1	28154341
Room temperature sensor bus 230Vac	1	28154351
Room temperature and humidity sensor bus 230 Vac	1	28154361

Dimensions: see section technical attachments



Room temperature - humidity sensor

Power supply 9/30 Vdc +- 10% - 12/24 vac -10%, +15%

Absorption (outputs active)

- current outputs (maximum absorption with two outputs)

35 mA with 12 Vdc power supply - 24 mA with 24 Vdc power supply - 50 mA with 12 Vac power supply - 24 mA with 24 Vac power supply -

voltage outputs (typical absorption with 10 kΩ load) - 10 mA with 12 Vdc power supply - 8 mA with 24 Vdc power supply - Working temperature range -10 to 60 °C

Working humidity range 10 to 90% R.H. (0 to 50 °C) - Temperature sensor NTC

Index of protection of casing IP 30 - Index of protection of sensing element IP 30

Size	Pcs. pack	Code
Temperature sensor	1	28153181
Temperature and humidity sensor	1	28153191

Dimensions: see section technical attachments



Outdoor temperature sensor

Power supply DC 9 to 30 V - Power supply AC 12 to 24 V - Temperature sensor NTC

Index of protection of casing IP55 - Index of protection of sensing element IP54

Working range: -20 / +70 °C

Size	Pcs. pack	Code
	1	28153201

Dimensions: see section technical attachments



Flow temperature sensor

Size	Pcs. pack	Code
	1	28153210

Dimensions: see section technical attachments



Socket for immersion type water sensor

Size	Pcs. pack	Code
G 1/4", L=83 mm	1	28153220

Dimensions: see section technical attachments



Transformer 230/24V 10 VA

NEW

230/24V, P=10VA, f=50/60Hz

Size	Pcs. pack	Code
2 DIN modules	1	28139130

To be used to power 0-10V / 24 Vac servomotors (the number of servomotors that can be powered depends on the load required).

Dimensions: see section technical attachments



Transformer 230/24V 35 VA

Size	Pcs. pack	Code
5 DIN modules	1	28153410



Transformer 230/24V 63 VA

Size	Pcs. pack	Code
8 DIN modules	1	28153420



OpenTherm interface

OpenTherm interface to be used for dialogue between electronic climatic adjuster and Niña and Talita boilers - Installation on DIN rail - Dimensions: 3 DIN modules

Size	Pcs. pack	Code
	1	07400860

Item to be out of range



Module for remote start-up via GSM

Electronic device to remotely activate, via GSM, two relay outlets with independent controls to activate set electrical equipment - Option of viewing the status of the relay outlets - Option of local control of the relays using a button that is already fitted on the device - Particularly suited for systems of homes with no fixed telephone network - Installed directly on a flat wall or in a recessed box with three modules (type 503)

Technical data

Power supply: 10...30 stabilized VDC (230 VAC +10 -15% 50-60 Hz with power supply unit supplied) - Protection rating: IP42 when installed correctly - Operating temperature: 0...50 °C - Operating humidity: 20...90% without condensation - Dimensions: 139x98x40 mm

Size	Pcs. pack	Code
	1	28139020

Control unit

Control system for electro-thermic heads



NCTA W chronothermostat

Digital timer thermostat, wireless, battery powered (2x1,5 V), summer-winter operation, daily and weekly programming in 4 time periods per day and temperatures on 3 levels (Comfort, Reduced, Off/Anti-freeze) - Anti-freeze function - Holiday function - Large back-lit display - Internal sensor and designed for remote SRA-150 probe - Can be controlled by telephone - The timer thermostat activates or de-activates one or more remotely located receivers by means of a radio connection - Degree of protection IP 30 - Dimensions: 132x87x31 mm (LxHxD)

Size	Pcs. pack	Code
	1	02018110

Item to be out of range



NTA W thermostat

On-off room thermostat, wireless, battery operated (2x1,5 V), for heating and cooling systems, with mechanical locking of temperature scale, internal sensor and set up for remote probe SRA-150 - The thermostat activates or de-activates one or more remotely located receivers by means of a radio connection - Degree of protection IP 30. Dimensions: 85x85x29 mm (LxHxD)

Size	Pcs. pack	Code
	1	02018112

Item to be out of range



NAR W antenna

Active receiving antenna for modules NMC2 W and NMC8 W, complete with 5-metre connection cable - Frequency: 868,150 MHz - Degree of protection: IP 30 - Dimensions: 85x85x31 mm (LxHxD)

Size	Pcs. pack	Code
	1	02018114

Item to be out of range



2-channel relay module NMC2 W

Relay module with two independent channels (which can be assigned to different transmitters) for the activation of electro-thermal actuators (normally open and normally closed) + 1 auxiliary channel for the activation of a circulator pump - Self-learning of transmission code - Supply of direct (230V) or auxiliary (24V) - Loads Set up for connection to a timer for management of night reduction - Global Standby and Summer/Winter inputs - Can be cascade connected with NMC8 W and NMC2 W modules (max 1 NMC2 W per cascade)

Technical data

Power supply: 230 V -15% +10% 50Hz - Absorbed power: 4 VA - Contact capacity: 3A @ 250V - Degree of protection: IP 30 - Dimensions: 130 x 100 x 60 mm (L x H x D)

Size	Pcs. pack	Code
	1	02018118

Item to be out of range



8-channel relay module NMC8 W

Relay module with 8 independent channels (which can be assigned to different transmitters) for the activation of electro-thermal actuators (normally open and normally closed) + 1 auxiliary channel for the activation of a circulator pump - Self-learning of transmission code - Supply of loads direct (230V) or auxiliary (24V) - Set up for connection to a timer for management of night reduction - Global Standby and Summer/Winter inputs - Can be cascade connected with NMC8 W and NMC2 W modules (max 1 NMC2 W per cascade)

Technical data

Power supply: 230V -15% +10% 50Hz - Absorbed power: 7 VA - Contact capacity: 3A @ 250V - Degree of protection: IP 30 - Dimensions: 245 x 100 x 60 mm (L x H x D)

Size	Pcs. pack	Code
	1	02018120

Item to be out of range



1-channel receiver NR1 W

Single-channel radio receiver equipped with built-in antenna and relay output to activate an electrothermal actuator or a circulator or directly a boiler - Self-learning of transmission code

Technical data

Power supply: 230 V ± 10% 50 Hz - Absorption: 11 VA - Relay contacts: 6 A @ 250 V - Frequency: 868,150 MHz - Degree of protection: IP 30 - Dimensions: 85 x 85 x 31 mm (L x H x D)

Size	Pcs. pack	Code
	1	02018116

Item to be out of range



Probe SRA-150

Probe for installation in air or in liquids (with well) equipped with bi-polar silicon cable with a net length of 150 cm - The sensor is provided, on the sensitive end, with a small nickel-plated brass tube measuring 6x25mm - The sensor is NTC type - 100 kOhm or 4.7 kOhm - Degree of protection IP 44

Size	Pcs. pack	Code
SRA-150 100 kOhm (*)	1	28130662
SRA-150 NCTA 4.7 kOhm (**)	1	02018112

Item to be out of range

(*) Combinable with the thermostat code 02018112

(**) Combinable with the thermostat code 02018110



Telephone interface IT CTA for PSTN fixed telephone line

Power supply 12V via mains adaptor - Absorption: 100 mA - Contacts capacity: 2 x 3A @ 250V~ SPDT - Degree of protection IP 30 - Dimensions: 85 x 85 x 31 mm (L x H x D)

Size	Pcs. pack	Code
	1	28130664

Item to be out of range

Chronothermostat with wall-mounted humidistat

Chronothermostat with humidistat

NEW



Chronothermostat with weekly programming with built-in humidity sensor to adjust the temperature and control the ambient humidity thanks to two separate relays.

The first relay is controlled by the temperature setting, while the second relay is activated when the humidity threshold is reached. Depending on the setting, it serves as an instrument to measure the maximum or minimum value. For instance, it can control a dehumidifier or a humidifier, with automatic switch from standard time to daylight-saving time and keypad lock for installation in public areas.

- It has a plastic base for wall installation or it can be secured to a 503 box (or a similar one)
- Wide display to show the operating status, time and day, temperature and humidity in the room
- Keyboard concealed underneath the front panel and used to program the instrument.

Technical Data

Power supply: battery 1 x 1.5 V (AAA)
 Battery charge: 1 h
 Fixing system: Wall-mounted/503 box
 Protection rating: IP XXD
 Operating temperature: 0÷50 °C
 Storage temperature: -10-65°C
 Relative humidity: 20%÷90%, non-condensing RH

Humidistat Technical Data

Operating range: HR Off, 30÷90%
 Fixed centred differential: HR 5%
 Time between two switchings: 1 min
 Accuracy: HR ±3%
 Resolution: HR 1%
 N.O. bistable relay capacity at 250 Vac: A5

Chronothermostat Technical Data

Programming: weekly
 Operation: summer/winter
 Temperatures that can be set: 3 + antifreeze + manual
 Temperature measurement: 0÷50 °C
 Measurement accuracy: 0.5 °C
 Temperature resolution: 0.1 °C
 Programming resolution: 1 h
 Interval between two temperature measurements: 20 s
 Start-up delay: 15, 30, 45 min
 Differential that can be set: 0.1±1 °C
 Exchange relay capacity at 250 Vac: 5 A

Dimensions: see section technical attachments

Chronothermostat with wall-mounted humidistat



Chronothermostat with wall-mounted, battery-operated humidistat

Size	Pcs. pack	Code
	1	02018090



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