

CATALOGUE

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ICMA[®]



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ABOUT US



ICMA S.p.a., a company with 50 years of experience in the heating and comfort industry, provides comprehensive solutions to ensure efficiency and reliability in all types of environments. Since its foundation, ICMA has stood out for its commitment to high-quality materials and technological research, developing a range of products tailored to evolving market needs.

Over its fifty years of operation, ICMA has built a strong reputation for expertise and professionalism, becoming a trusted partner for clients and industry professionals. Each component is designed and manufactured with a focus on durability and sustainability, thanks to modern production processes and the use of advanced technologies.



Product certifications



System certification



All information concerning the certifications reported in the catalogue is indicative as subject to continuous updates and may also refer only to some models or some dimensions of the products. ICMA Spa excludes any kind of implicit or explicit liability related to irrelevant, obsolete or incomplete information. ICMA Spa reserves the right to make changes to the products and related technical data at any time and without notice.

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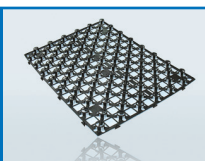
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A

VALVES AND THERMOSTATIC HEADS FOR RADIATOR



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APPLICATION OF VALVES AND THERMOSTATIC HEADS FOR RADIATORS

The application of thermostatic heads on ICMA thermostatic valves is the best independent, simple and low-cost solution to automatically adjust the temperature, only where and when needed.

ICMA thermostatic heads allow the temperature in the environment in which they are installed to be constant. The numbers on the handle represent the set temperature.

TEMPERATURE REGULATED IN °C



POSITION OF THE THERMOSTATIC HEAD

ICMA thermostatic heads do not require electricity; they are equipped with a liquid sensor with low thermal inertia and a coupling system to the valve body M28x1.5 (art. 1100) and M30x1.5 (art. 1101).

THERMOSTATIC HEAD ART. 1100 CERTIFIED: UNI - EN215



TECHNICAL SPECIFICATIONS:

Minim. adjustment calibration (anti-freeze position):	ts min	7°C (❄️)
Max. adjustment calibration (position):	ts max	28°C (5)
Saving condition (position):		20°C (3)
Maximum working pressure:	PN	1000 KPa
Maximum differential pressure:	Δp	100 KPa
Nominal capacity "qm N" angle-straight:	qm N	190 Kg/h
Maximum working temperature:		110°C
Maximum storage temperature:		50°C
Hysteresis:	C	0.19 K
Authority:	a	0,9
Response time:	Z	20 min
Differential pressure influence:	D	0,25 K
Water temperature influence:	W	0,7 K
Use of the protection cap:		55°≈1K
Connection to thermostatic expansion valves:		M28x1,5 M30x1,5

PRODUCT CERTIFICATION

LICENSEE
ICMA S.p.A.
 Via Caravaglia, 4
 20012 Cuggiono (Milano)
 Italia

LICENSEE IDENTITY NUMBER: 87

PRODUCT: Thermostatic Radiator Valve

LICENSE NUMBER: 01-ICM-TRV-D

REFERENCE DOCUMENTS:

- UNI EN 215:2019 Thermostatic radiator valves. Requirements and test methods CEN Keymark Scheme Rules for Thermostatic Radiator Valves 499 (Settembre 2019)
- CEN/LEC Internal Regulations - Part 4: Certification (July 2018)

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LICENSE VALIDITY:

The right of use of the KEYMARK is conferred by the respect of the reference documents. SIET registers into the product and verifies the Quality System implemented by the Licensee in order to ensure the respect of the reference documents. The suspended or withdrawn certificates are available on SIET web site www.siet.it

(*) Dimensions and details on connection are not in accordance with the specific Series in Annex A of UNI EN 215

HEAD	TYPE		
1100	Liquid integral sensor		

VALVE	FORM	NOMINAL SIZE	SERIES
774	Angle	DN15	(*)
775	Straight	DN15	(*)
774+940	Angle	DN15	(*)
775+940	Straight	DN15	(*)
974	Angle	DN15	(*)
975	Straight	DN15	(*)

CHIEF EXECUTIVE OFFICER
 Alfredo Luce
Amministratore delegato
 Alfredo Luce
dal 2019.02.25 1711556
01707

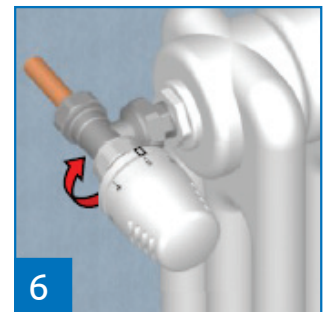
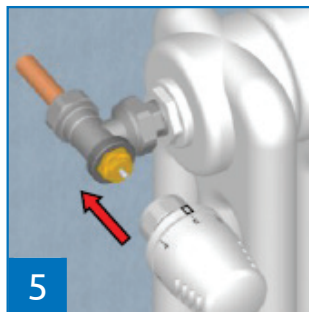
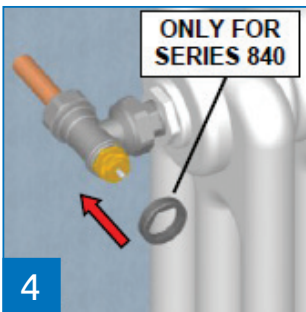
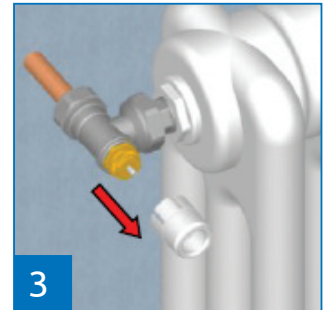
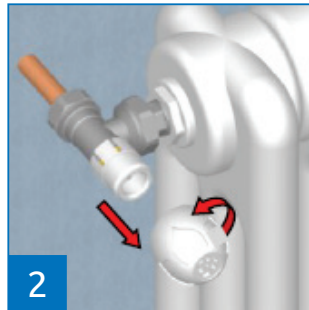
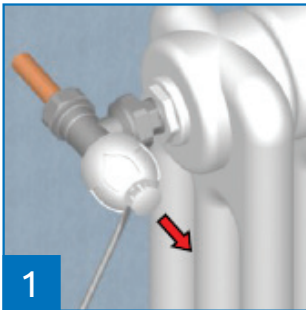
SIET S.p.A. via Nino Bixio, 27/c - 20121 Piacenza - Italia
 Tel. +39 0523 329011 - Fax +39 0523 329010
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SELECTION OF A THERMOSTATIC HEAD AND COMBINATION WITH A VALVE

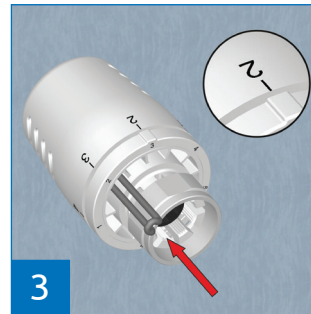
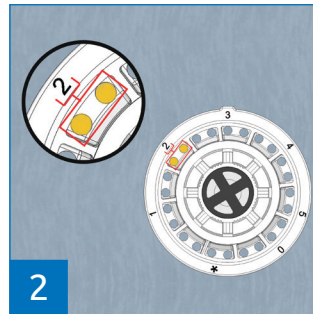
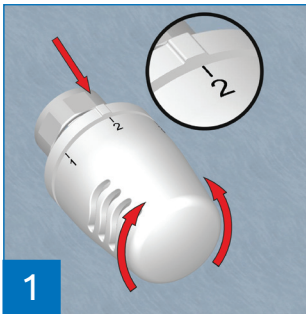
1) Detect the connection to the valve body. In the case of ICMA products you will find the connection specified in the description of each valve.

2) Check the place of use. If the temperature detection is affected by the presence of curtains, choose items 987 or 990

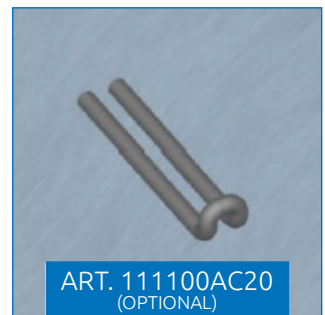
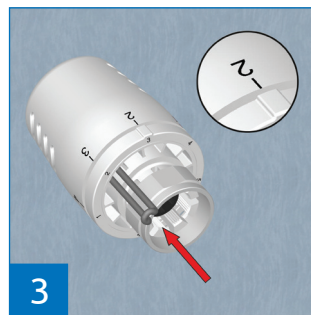
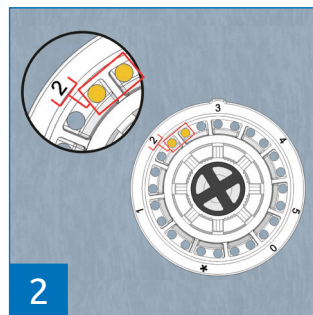
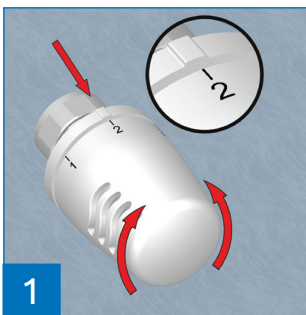
INSTALLATION OF THERMOSTATIC HEADS



TEMPERATURE BLOCKING



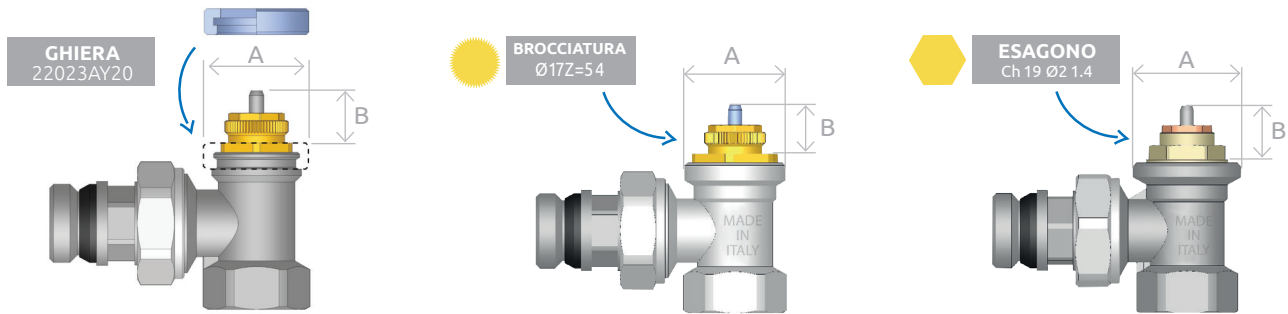
TEMPERATURE RESTRICTION



SELECTION OF A THERMOSTATIC HEAD AND COMBINATION WITH A VALVE

COMPARISON OF THERMOSTATIC VALVE CONNECTIONS

Thermostatic valves with M30 connection allow the connection with "smart" thermostatic heads without the use of any adapter. Our M30 valves are compatible with all thermostatic heads of other manufacturers.



M28	
A	M28x1,5
B	14
STROKE B	3,5

M28	
A	M28x1,5
B	14
STROKE B	3,5

M30	
A	M30x1,5
B	15
STROKE B	3,5



ART.1100 - ART.1101

ART.	CONNECTION THREAD	CODE		
*1100	28X1,5	821100AC20	1	50
1101	30X1,5	821101AC20	1	50

Thermostatic head **with liquid sensor** for thermostatic valves for radiators. Temperature locking and limiting to a desired value with a forked pin system (see instructions on page 13). Hysteresis 0,19°C; Room temperature setting range T = 7-28°C.



ART. 987 - ART. 990

ART.	CONNECTION THREAD	CODE		
987	28X1,5	82987AC20	1	20
990	30X1,5	82990AC20	1	20

Thermostatic head with remote liquid sensor for radiators. To be used when it is necessary to feel the temperature far from the radiator. Temperature locking and limiting device on a desired value. Both operations can be done without tools (see instructions on page 13). Capillary length 2 mt. Hysteresis 0,3°C; Room temperature setting range T = 7-28°C.



ART. 1099 | 1098

ART.	CONNECTION THREAD	CODE		
1099	28x1,5	821099AC07	1	50
1098	30x1,5	821098AC07	1	50

Thermostatic head **with liquid sensor** for thermostatic valves for radiators. Temperature locking and limiting to a desired value with a forked pin system (see instructions on page 13). Hysteresis 0,19°C; Room temperature setting range T = 7-28°C. **Chrome finish.**



ART.1151 - ART.1150

ART.	CONNECTION THREAD	CODE		
1151	28X1,5	821151AC09	1	50
1150	30X1,5	821150AC09	1	50

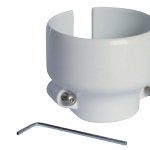
Thermostatic head **with liquid sensor** for thermostatic valves for radiators. Temperature locking and limiting to a desired value with a forked pin system (see instructions on page 13). Hysteresis 0,19°C; Room temperature setting range T = 7-28°C. **Matt black finish.**



FORKED PIN

CODE	
111100AC20	1

Forked pin for art. 1100 e 1101 (see instructions on page 11).



ART. 999

ART.	CODE		
999	82999AC20	1	50

Tamper-proof shell for thermostatic heads art. 987-990-994-995-991-992 997. Provided with special screws. It can be operated with the special tightening key, only. One key free of charge every 50 pieces.



ART. 1095

ART.	CODE		
1095	821095AC20	1	50

Thermostatic head ICMA M30x1,5 (Art. 821101AC20) + connecting ring for CALEFFI® thermostatic valves.



ART. 1097

ART.	CODE		
1097	821097AC20	1	50

Thermostatic head ICMA M30x1,5 (Art. 821101AC20) + connecting ring for FAR® thermostatic valves.



	1141	3/8"	1/2"
Copper			
Multilayer			
Pe-x			
S-1K [m3/h]	0,33	0,5	
S-2K [m3/h]	0,55	0,7	
Kvs [m3/h]	1,05	1,35	

LEFT VERSION | RIGHT VERSION

ART. 1141

ART.	SIZE	FITTING THREAD	VERSION	CODE	📦	
1141	3/8"	24x1,5	RIGHT	821141ACD06	1	10
1141	3/8"	24x1,5	LEFT	821141ACS06	1	10
1141	1/2"	24x1,5	RIGHT	821141ADD06	1	10
1141	1/2"	24x1,5	LEFT	821141ADS06	1	10

Double angle valve with thermostatic option for copper, multilayer and pex-piping and with antileakage radiator connection. Choose thermostatic and electrothermic actuators with 28x1,5 connection thread. Ideal for radiators installation in case of limited space. Right and left version. For installation of electrothermic actuators use connection ring art. 22023AY20.



	1142	3/8"	1/2"
S-1K [m3/h]	0,33	0,5	
S-2K [m3/h]	0,55	0,7	
Kvs [m3/h]	1,05	1,35	

LEFT VERSION | RIGHT VERSION

Iron pipe

ART. 1142

ART.	SIZE	VERSION	CODE	📦	
1142	3/8"	RIGHT	821142ACD06	1	10
1142	3/8"	LEFT	821142ACS06	1	10
1142	1/2"	RIGHT	821142ADD06	1	50
1142	1/2"	LEFT	821142ADS06	1	10

Double angle valve with thermostatic option for copper piping and with anti-leakage radiator connection. Choose thermostatic and electrothermic actuators with 28x1,5 connection thread. Ideal for radiators installation in case of limited space. Right and left version. For installation of electrothermic actuators use connection ring art. 22023AY20.



	840-842-852	3/8"	1/2"
Copper			
Multilayer			
Pe-x			
S-1K [m3/h]	0,33	0,33	
S-2K [m3/h]	0,6	0,6	
Kvs [m3/h]	2,11	2,21	

ART. 840 | 842 | 852

ART.	SIZE	FITTING THREAD	CODE	📦	
840	3/8"	24x1,5	82840AC06	20	100
840	1/2"	24x1,5	82840AD06	20	100
842	3/8"	1/2"	82842AC06	20	100
842	1/2"	1/2"	82842AD06	20	100
852	3/8"	3/4"	82852AC06	20	100
852	1/2"	3/4"	82852AD06	20	100

Angle valve with thermostatic option. For copper, Pex-Al-Pex, pex piping. With anti-leakage radiator union. Choose thermostatic and electrothermic actuators with 28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20.



	841-843	3/8"	1/2"
Copper			
Multilayer			
Pe-x			
S-1K [m3/h]	0,33	0,33	
S-2K [m3/h]	0,6	0,6	
Kvs [m3/h]	1,12	1,58	

ART. 841 | 843

ART.	SIZE	FITTING THREAD	CODE	📦	
841	3/8"	24X1,5	82841AC06	20	100
841	1/2"	24X1,5	82841AD06	20	100
843	3/8"	1/2"	82843AC06	20	100
843	1/2"	1/2"	82843AD06	20	100

Straight valve with thermostatic option. For copper, Pex-Al-Pex, pex piping. With anti-leakage radiator union. Choose thermostatic and electrothermic actuators with 28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20.



	844	3/8"	1/2"	3/4"
Iron pipe				
S-1K [m3/h]	0,33	0,33	0,33	
S-2K [m3/h]	0,6	0,6	0,6	
Kvs [m3/h]	2,11	2,21	2,53	

ART. 844

ART.	SIZE	CODE	📦	
844	3/8"	82844AC06	20	100
844	1/2"	82844AD06	20	100
844	3/4"	82844AE06	10	50

Angle valve with thermostatic option. For iron piping. With anti leakage radiator union. Choose thermostatic and electrothermic actuators with 28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20.



	845	3/8"	1/2"	3/4"
Iron pipe				
S-1K [m3/h]	0,33	0,33	0,33	
S-2K [m3/h]	0,6	0,6	0,6	
Kvs [m3/h]	1,12	1,58	1,77	

ART. 845

ART.	SIZE	CODE	📦	
845	3/8"	82845AC06	20	100
845	1/2"	82845AD06	20	100
845	3/4"	82845AE06	10	50

Straight valve with thermostatic option. For iron piping. With anti-leakage radiator union. Choose thermostatic and electrothermic actuators with 28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20.



Copper
Multilayer
Pe-x

970-972-966		3/8"	1/2"
S-1K [m3/h]		0,33	0,33
S-2K [m3/h]		0,6	0,6
Kvs [m3/h]		2,11	2,21

ART. 970 | 972 | 966

ART.	SIZE	FITTING THREAD	CODE		
970	3/8"	24X1,5	82970AC06	10	50
970	1/2"	24X1,5	82970AD06	10	50
972	3/8"	1/2"	82972AC06	10	50
972	1/2"	1/2"	82972AD06	10	50
966	1/2"	3/4"	82966AD06	10	50

Angle valve with thermostatic option. For copper, Pex-Al-Pex, Pex piping. With antileakage radiator union. Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.



Copper
Multilayer
Pe-x

971-973-967		3/8"	1/2"
S-1K [m3/h]		0,33	0,33
S-2K [m3/h]		0,6	0,6
Kvs [m3/h]		1,12	1,58

ART. 971 | 973 | 967

ART.	SIZE	FITTING THREAD	CODE		
971	3/8"	24X1,5	82971AC06	10	50
971	1/2"	24X1,5	82971AD06	10	50
973	3/8"	1/2"	82973AC06	10	50
973	1/2"	1/2"	82973AD06	10	50
967	1/2"	3/4"	82967AD06	10	50

Straight valve with thermostatic option. For copper, Pex-Al-Pex, Pex piping. With anti-leakage radiator union. Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.



*
Iron pipe

974		3/8"	1/2"	3/4"
S-1K [m3/h]		0,33	0,33	0,33
S-2K [m3/h]		0,6	0,6	0,6
Kvs [m3/h]		2,11	2,21	2,53

ART. 974

ART.	SIZE	CODE		
974	3/8"	82974AC06	10	50
*974	1/2"	82974AD06	10	50
974	3/4"	82974AE06	10	50

Angle valve with thermostatic option. For iron piping. With anti-leakage radiator union. Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.



*
Iron pipe

845		3/8"	1/2"	3/4"
S-1K [m3/h]		0,33	0,33	0,33
S-2K [m3/h]		0,6	0,6	0,6
Kvs [m3/h]		1,12	1,58	1,77

ART. 975

ART.	SIZE	CODE		
975	3/8"	82975AC06	10	50
*975	1/2"	82975AD06	10	50
975	3/4"	82975AE06	10	50

Straight valve with thermostatic option. For iron piping. With anti-leakage radiator union. Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.



Copper
Multilayer
Pe-x

869		1/2"
S-1K [m3/h]		0,11
S-2K [m3/h]		0,42
Kvs [m3/h]		1,38

ART. 869

ART.	SIZE	FITTING THREAD	CODE		
869	1/2"	1/2"	81869AD06	10	50

Inverse angle valve with thermostatic option. For copper, Pex-Al-Pex, Pex piping. With antileakage radiator unit. Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.



Copper
Multilayer
Pe-x

	770-772	3/8"	1/2"
S-1K [m3/h]		0,33	0,33
S-2K [m3/h]		0,6	0,6
Kvs [m3/h]		2,11	2,21

ART. 770 | 772



Copper
Multilayer
Pe-x

	771-773	3/8"	1/2"
S-1K [m3/h]		0,33	0,33
S-2K [m3/h]		0,6	0,6
Kvs [m3/h]		1,12	1,58

ART. 771 | 773

ART.	SIZE	FITTING THREAD	CODE		
770	3/8"	24X1,5	82770AC06	10	50
770	1/2"	24X1,5	82770AD06	10	50
772	3/8"	1/2"	82772AC06	10	50
772	1/2"	1/2"	82772AD06	10	50

Single setting thermostatic **angle valve**. For copper, Pex-Al-Pex, Pex piping. **Choose thermostatic and electrothermic actuators with 28x1,5 connection thread.**

ART.	SIZE	FITTING THREAD	CODE		
771	3/8"	24X1,5	82771AC06	10	50
771	1/2"	24X1,5	82771AD06	10	50
773	3/8"	1/2"	82773AC06	10	50
773	1/2"	1/2"	82773AD06	10	50

Single setting thermostatic **straight valve**. For copper, Pex-Al-pex, pex piping. **Choose thermostatic and electrothermic actuators with 28x1,5 connection thread.**



Iron pipe



ART. 774 | 774+940

ART.	SIZE	CODE		
774	3/8"	82774AC06	10	50
*774	1/2"	82774AD06	10	50
774	3/4"	82774AE06	10	50
*774+940	1/2"	82774AD06 940	10	50
774+940	3/4"	82774AE06 940	10	50

Single setting thermostatic **angle valve**. For iron piping. **Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.**



Iron pipe



ART. 775 | 775+940

ART.	SIZE	CODE		
775	3/8"	82775AC06	10	50
*775	1/2"	82775AD06	10	50
775	3/4"	82775AE06	10	50
*775+940	1/2"	82775AD06 940	10	50
775+940	3/4"	82775AE06 940	10	50

Single setting thermostatic **straight valve**. For iron piping. **Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.**



Iron pipe

	764	3/8"	1/2"	3/4"
S-1K [m3/h]		0,33	0,33	0,33
S-2K [m3/h]		0,6	0,6	0,6
Kvs [m3/h]		2,11	2,21	2,53

ART. 764 - ART. 764+940

ART.	SIZE	CODE		
764	1/2"	82764AD06	10	50
764	3/4"	82764AE06	10	50
764+940	1/2"	82764AD06 940	10	50
764+940	3/4"	82764AE06 940	10	50

Single setting thermostatic **angle valve** for iron piping. **Choose thermostatic heads and electrothermic actuators with 30x1,5 connection thread.**



Iron pipe

	765	3/8"	1/2"	3/4"
S-1K [m3/h]		0,33	0,33	0,33
S-2K [m3/h]		0,6	0,6	0,6
Kvs [m3/h]		1,12	1,58	1,77

ART. 765 - ART. 765+940

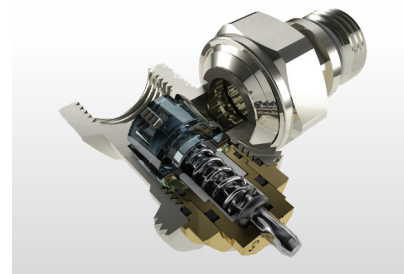
ART.	SIZE	CODE		
765	1/2"	82765AD06	10	50
765	3/4"	82765AE06	10	50
765+940	1/2"	82765AD06 940	10	50
765+940	3/4"	82765AE06 940	10	50

Single setting thermostatic **straight valve** for iron piping. **Choose thermostatic heads and electrothermic actuators with 30x1,5 connection thread.**

PRE-SETTING VALVES WITH THERMOSTATIC OPTION CAN CARRY OUT SIMULTANEOUS SEVERAL FUNCTIONS:

- 1. intercepting the heat transfer fluid | 2. Pre-setting for heating components in heating systems

PRE-SETTING VALUES					
Kv [m³/h] 3/8" - STRAIGHT	0,07	0,16	0,28	0,46	1,05
Kv [m³/h] 3/8" - ANGLE	0,07	0,16	0,28	0,46	1,35
Kv [m³/h] 1/2" - STRAIGHT	0,07	0,16	0,28	0,46	1,30
Kv [m³/h] 1/2" - ANGLE	0,07	0,16	0,28	0,46	1,45
Kv [m³/h] 3/4" - STRAIGHT	0,24	0,40	0,72	1,12	1,55
Kv [m³/h] 3/4" - ANGLE	0,24	0,32	0,46	0,62	1,81



Copper

Multilayer

Pe-x

	776	3/8"	1/2"
S-1K [m3/h]		0,3	0,55
S-2K [m3/h]		0,55	0,3
Kvs [m3/h]		1,35	1,45

ART. 776

Copper

Multilayer

Pe-x

	777	3/8"	1/2"
S-1K [m3/h]		0,3	0,55
S-2K [m3/h]		0,55	0,3
Kvs [m3/h]		1,05	1,03

ART. 777

ART.	SIZE	FITTING THREAD	CODE		
776	3/8"	24x1,5	82776AC06	10	50
776	1/2"	24x1,5	82776AD06	10	50

Pre-setting **angle valve** with thermostatic option for copper, Pex-Al-pex, pex piping with anti-leakage radiator union. **Choose thermostatic and electrothermic actuators with 30x1,5 connection thread.**

ART.	SIZE	FITTING THREAD	CODE		
777	3/8"	24x1,5	82777AC06	10	50
777	1/2"	24x1,5	82777AD06	10	50

Pre-setting **straight valve** with thermostatic option for copper, Pex-Al-pex, pex piping with anti-leakage radiator union. **Choose thermostatic and electrothermic actuators with 30x1,5 connection thread.**

Iron pipe

	778	3/8"	1/2"	3/4"
S-1K [m3/h]		0,3	0,55	0,55
S-2K [m3/h]		0,55	0,3	0,3
Kvs [m3/h]		1,35	1,45	1,81

ART. 778

Iron pipe

	779	3/8"	1/2"	3/4"
S-1K [m3/h]		0,3	0,55	0,55
S-2K [m3/h]		0,55	0,3	0,3
Kvs [m3/h]		1,05	1,3	1,55

ART. 779

ART.	SIZE	CODE		
778	3/8"	82778AC06	10	50
778	1/2"	82778AD06	10	50
778	3/4"	82778AE06	10	50

Pre-setting **angle valve** with thermostatic option for iron piping with anti-leakage radiator union. **Choose thermostatic and electrothermic actuators with 30x1,5 connection thread.**

ART.	SIZE	CODE		
779	3/8"	82779AC06	10	50
779	1/2"	82779AD06	10	50
779	3/4"	82779AE06	10	50

Pre-setting **straight valve** with thermostatic option for iron piping with anti-leakage radiator union. **Choose thermostatic and electrothermic actuators with 30x1,5 connection thread.**

ART. 795

ART.	SIZE	CODE	
795	1/2"	82795AD05	1

THERMOSTATIC KIT



Copper
Multilayer
Pe-x

ART. KIT A | KIT B

ART.	SIZE	FITTING THREAD	CODE		
KIT A	3/8"	24X1,5	82KITAAC061100	1	20
KIT A	1/2"	24X1,5	82KITAAD061100	1	20
KIT B	3/8"	1/2"	82KITBAC061100	1	20
KIT B	1/2"	1/2"	82KITBAD061100	1	20

Thermostatic kit consisting of **M28** thermostatic head with liquid sensor, **angle valve** with thermostatic option and lock-shield with anti-leakage radiator union. For Copper, Pex-Al-Pex, pex piping.

KIT Composition	Kit A	Kit B
Thermostatic head	Art. 1100	Art. 1100
Valve	Art. 840	Art. 842
Lockshield	Art. 839	Art. 837

Copper
Multilayer
Pe-x

ART. KIT C | KIT D

ART.	SIZE	FITTING THREAD	CODE		
KIT C	3/8"	24X1,5	82KITCAC061100	1	20
KIT C	1/2"	24X1,5	82KITCAD061100	1	20
KIT D	3/8"	1/2"	82KITDAC061100	1	20
KIT D	1/2"	1/2"	82KITDAD061100	1	20

Thermostatic kit consisting of **M28** thermostatic head with liquid sensor, **straight valve** with thermostatic option and lock-shield with anti-leakage radiator union. For Copper, Pex-Al-Pex, pex piping.

KIT Composition	Kit C	Kit D
Thermostatic head	Art. 1100	Art. 1100
Valve	Art. 841	Art. 843
Lockshield	Art. 835	Art. 833

Iron pipe

ART. KIT E

ART.	SIZE	CODE		
KIT E	3/8"	82KITEAC061100	1	20
KIT E	1/2"	82KITEAD061100	1	20
KIT E	3/4"	82KITEAE061100	1	20

Thermostatic kit consisting of **M28** thermostatic head with liquid sensor, **angle valve** with thermostatic option and lock-shield with anti-leakage radiator union. For iron piping.

KIT Composition	Kit E
Thermostatic head	Art. 1100
Valve	Art. 844
Lockshield	Art. 952

Iron pipe

ART. KIT F

ART.	SIZE	CODE		
KIT F	3/8"	82KITFAC061100	1	20
KIT F	1/2"	82KITFAD061100	1	20
KIT F	3/4"	82KITFAE061100	1	20

Thermostatic kit consisting of thermostatic head with liquid sensor, with thermostatic option and lock-shield with anti-leakage radiator union. For iron piping.

KIT Composition	Kit F
Thermostatic head	Art. 1100
Valve	Art. 845
Lockshield	Art. 955



Iron pipe
ART. KIT G | KIT I

ART.	SIZE	CODE		
KIT G	1/2"	82KITGAD061100	1	20
KIT G	3/4"	82KITGAE061100	1	20
KIT I	3/8"	82KITIAC061100	1	20
KIT I	1/2"	82KITIAD061100	1	20
KIT I	3/4"	82KITIAE061100	1	20

Thermostatic kit consisting of **M28** thermostatic head with liquid sensor, **angle valve** with thermostatic option and lock-shield. For iron piping.

KIT Composition	Kit G	Kit I
Thermostatic head	Art. 1100	Art. 1100
Valve	Art. 774 940	Art. 774
Lockshield	Art. 805 940	Art. 805



Iron pipe
ART. KIT H | KIT L

ART.	SIZE	CODE		
KIT H	1/2"	82KITHAD061100	1	20
KIT H	3/4"	82KITHAE061100	1	20
KIT L	3/8"	82KITLAC061100	1	20
KIT L	1/2"	82KITLAD061100	1	20
KIT L	3/4"	82KITLAE061100	1	20

Thermostatic kit consisting of **M28** thermostatic head with liquid sensor, **straight valve** with thermostatic option and lock-shield. For iron piping.

KIT Composition	Kit H	Kit L
Thermostatic head	Art. 1100	Art. 1100
Valve	Art. 775 940	Art. 775
Lockshield	Art. 815 940	Art. 815



Copper
Multilayer
Pe-x

ART. KIT M

ART.	SIZE	FITTING THREAD	CODE		
KIT M	3/8"	1/2"	82KITMAC061100	1	20
KIT M	1/2"	1/2"	82KITMAD061100	1	20

Thermostatic kit consisting of **M28** thermostatic head with liquid sensor, **angle valve** with thermostatic option and lock-shield. For Copper, Pex-Al-Pex, pex piping.

KIT Composition	Kit M
Thermostatic head	Art. 1100
Valve	Art. 772
Lockshield	Art. 827 1/2"



Iron pipe

ART. KIT N

ART.	SIZE	CODE		
KIT N	1/2"	82KITNAD061100	1	20

Thermostatic kit consisting of **M28** thermostatic head with liquid sensor, inverse **angle valve** with thermostatic option and lock-shield with anti-leakage radiator union. For iron piping.

KIT Composition	Kit N
Thermostatic head	Art. 1100
Valve	Art. 878 940
Lockshield	Art. 805 940



Iron pipe

ART. KIT O

ART.	SIZE	CODE		
KIT O	1/2"	82KITOAD061101	1	20
KIT O	3/4"	82KITOAE061101	1	20

Thermostatic kit consisting of **M30** thermostatic head with liquid sensor, **angle valve** with thermostatic option and lock-shield with anti-leakage radiator union. For iron piping.

KIT Composition	Kit O
Thermostatic head	Art. 1101
Valve	Art. 764 940
Lockshield	Art. 805 940



Iron pipe

ART. KIT P

ART.	SIZE	CODE		
KIT P	1/2"	82KITPAD061101	1	20
KIT P	3/4"	82KITPAE061101	1	20

Thermostatic kit consisting of **M30** thermostatic head with liquid sensor, **straight valve** with thermostatic option and lock shield with anti-leakage radiator union. For iron piping.

KIT Composition	Kit P
Thermostatic head	Art. 1101
Valve	Art. 765 940
Lockshield	Art. 815 940



Copper
Multilayer
Pe-x

ART. 846 | 847

ART.	SIZE	FITTING THREAD	CODE		
846	3/8"	24X1,5	82846AC06	20	100
846	1/2"	24X1,5	82846AD06	20	100
847	3/8"	1/2"	82847AC06	20	100
847	1/2"	1/2"	82847AD06	20	100

Single setting manual **angle valve**. For copper, Pex-Al-Pex and Pex piping. Double sealing on the spindle with o-ring and PTFE gasket and on the valve seat. With anti-leakage radiator unit.



Copper
Multilayer
Pe-x

ART. 848 | 849

ART.	SIZE	FITTING THREAD	CODE		
848	3/8"	24X1,5	82848AC06	10	50
848	1/2"	24X1,5	82848AD06	10	50
849	3/8"	1/2"	82849AC06	10	50
849	1/2"	1/2"	82849AD06	10	50

Single setting manual **straight valve**. For copper, Pex-Al-Pex and Pex piping. Double sealing on the spindle with o-ring and PTFE gasket and on the valve seat. With anti-leakage radiator unit.



Iron pipe

ART. 850

ART.	SIZE	CODE		
850	3/8"	82850AC06	20	100
850	1/2"	82850AD06	20	100
850	3/4"	82850AE06	20	100

Single setting manual **angle valve**. For iron piping. Double sealing on the spindle with o-ring and PTFE gasket and on the valve seat. With anti-leakage radiator unit.



Iron pipe

ART. 851

ART.	SIZE	CODE		
851	3/8"	82851AC06	10	50
851	1/2"	82851AD06	10	50
851	3/4"	82851AE06	10	50

Single setting manual **straight valve**. For iron piping. Double sealing on the spindle with o-ring and PTFE gasket and on the valve seat. With anti-leakage radiator unit.



Copper
Multilayer
Pe-x

ART. 921 | 941

ART.	SIZE	FITTING THREAD	CODE		
921	3/8"	24X1,5	82921AC06	20	100
921	1/2"	24X1,5	82921AD06	20	100
941	3/8"	1/2"	82941AC06	20	100
941	1/2"	1/2"	82941AD06	20	100

Single setting manual **angle valve**. For copper, Pex-Al-Pex and Pex piping. Double sealing on the spindle with o-ring and PTFE gasket and on the valve seat. With anti-leakage radiator union.



Copper
Multilayer
Pe-x

ART. 924 | 944

ART.	SIZE	FITTING THREAD	CODE		
924	3/8"	24X1,5	82924AC06	10	50
924	1/2"	24X1,5	82924AD06	10	50
944	3/8"	1/2"	82944AC06	10	50
944	1/2"	1/2"	82944AD06	10	50

Single setting manual **straight valve**. For copper, Pex-Al-Pex and Pex piping. Double sealing on the spindle with o-ring and PTFE gasket and on the valve seat. With anti-leakage radiator union.



Iron pipe

ART. 951

ART.	SIZE	CODE		
951	3/8"	82951AC06	20	100
951	1/2"	82951AD06	20	100
951	3/4"	82951AE06	20	100

Single setting manual **angle valve**. For iron piping. Double sealing on the spindle with o-ring and PTFE gasket and on the valve seat. With anti-leakage radiator union.



Iron pipe

ART. 954

ART.	SIZE	CODE		
954	3/8"	82954AC06	10	50
954	1/2"	82954AD06	10	50
954	3/4"	82954AE06	10	50

Single setting manual **straight valve**. For iron piping. Double sealing on the spindle with o-ring and PTFE gasket and on the valve seat. With anti-leakage radiator union.



Copper
Multilayer
Pe-x

ART. 836 | 838

ART.	SIZE	FITTING THREAD	CODE		
836	3/8"	1/2"	82836AC06	20	100
836	1/2"	1/2"	82836AD06	20	100
838	3/8"	24X1,5	82838AC06	20	100
838	1/2"	24X1,5	82838AD06	20	100

Single setting **angle valve**. For copper, Pex-Al-Pex and Pex piping. With anti-leakage radiator union.



Copper
Multilayer
Pe-x

ART. 832 | 834

ART.	SIZE	FITTING THREAD	CODE		
832	3/8"	1/2"	82832AC06	20	100
832	1/2"	1/2"	82832AD06	20	100
834	3/8"	24x1,5	82834AC06	20	100
834	1/2"	24x1,5	82834AD06	20	100

Single setting **straight valve**. For copper, Pex-Al-Pex and Pex piping. With anti-leakage radiator union.



Copper
Multilayer
Pe-x

ART. 826

ART.	SIZE	FITTING THREAD	CODE		
826	3/8"	1/2"	82826AC06	20	100
826	1/2"	24x1,5	82826AD06	20	100

Single setting **angle valve**. Radiator union with o-ring. For copper, Pex-Al-Pex, Pex piping.



Copper
Multilayer
Pe-x

ART. 828

ART.	SIZE	FITTING THREAD	CODE		
828	3/8"	1/2"	82828AC06	20	100
828	1/2"	24x1,5	82828AD06	20	100

Single setting **straight valve**. Radiator union with o-ring. For copper, Pex-Al-Pex, Pex piping.



Iron pipe

ART. 802

ART.	SIZE	CODE		
802	3/8"	82802AC06	1	50
802	1/2"	82802AD06	1	50
802	3/4"	82802AE06	1	50

Single setting **angle valve**. Radiator union with o-ring. For iron piping.



Iron pipe

ART. 812

ART.	SIZE	CODE		
812	3/8"	82812AC06	1	50
812	1/2"	82812AD06	1	50
812	3/4"	82812AE06	1	50

Single setting **straight valve**. Radiator union with o-ring. For iron piping.



Copper
Multilayer
Pe-x

ART. 804

ART.	SIZE	FITTING THREAD	CODE		
804	3/8"	1/2"	82804AC06	1	50
804	1/2"	1/2"	82804ADAD	1	50
804	1/2"	24x1,5	82804AD06	1	50

Single setting **angle valve**. Radiator union with o-ring. For copper, Pex-Al-Pex, Pex piping.



Iron pipe ART. 803 | 803+940

ART.	SIZE	CODE		
803	3/8"	82803AC06	1	50
803	1/2"	82803AD06	1	50
803	3/4"	82803AE06	1	50
803+940	1/2"	82803AD06 940	1	50
803+940	3/4"	82803AE06 940	1	50

Single setting **angle valve**. For iron piping. Available also with anti-leakage radiator connection.



Copper
Multilayer
Pe-x

ART. 814

ART.	SIZE	FITTING THREAD	CODE		
814	3/8"	1/2"	82814AC06	1	50
814	1/2"	24x1,5	82814AD06	1	50

Single setting **straight valve**. Radiator union with o-ring. For copper, Pex-Al-Pex, Pex piping.



Iron pipe ART. 813 | 813+940

ART.	SIZE	CODE		
813	3/8"	82813AC06	1	50
813	1/2"	82813AD06	1	50
813	3/4"	82813AE06	1	50
813+940	1/2"	82813AD06 940	1	50
813+940	3/4"	82813AE06 940	1	50

Single setting **straight valve**. For iron piping. Available also with anti-leakage radiator connection.




Copper

ART. 161

ART.	SIZE	CODE		
161	1/2"x15	82161GE06	20	100

Single setting valve with welding connection. **Angle**. Radiator union with o-ring. For copper piping.



Copper
Multilayer
Pe-x

LEFT VERSION RIGHT VERSION

ART. 1144

ART.	SIZE	FITTING THREAD	VERSION	CODE		
1144	3/8"	24x1,5	RIGHT	821144ACD06	1	10
1144	3/8"	24x1,5	LEFT	821144ACS06	1	10
1144	1/2"	24x1,5	RIGHT	821144ADD06	1	10
1144	1/2"	24x1,5	LEFT	821144ADS06	1	10

Double angle lockshield for copper, multilayer and pe-x piping and with anti-leakage radiator connection. Right or left version.



Iron pipe

LEFT VERSION RIGHT VERSION

ART. 1145

ART.	SIZE	VERSION	CODE		
1145	3/8"	RIGHT	821145ACD06	1	10
1145	3/8"	LEFT	821145ACS06	1	10
1145	1/2"	RIGHT	821145ADD06	1	10
1145	1/2"	LEFT	821145ADS06	1	10

Double angle lockshield for iron piping and with anti-leakage radiator connection. Right or left version.



Copper
Multilayer
Pe-x

ART. 922 | 942

ART.	SIZE	FITTING THREAD	CODE		
922	3/8"	24X1,5	82922AC06	20	100
922	1/2"	24X1,5	82922AD06	20	100
942	3/8"	1/2"	82942AC06	20	100
942	1/2"	1/2"	82942AD06	20	100

Angle micrometric lockshield. For copper, Pex-Al-Pex, Pex piping. O-ring and metallic closure on the seat. With anti-leakage radiator union.



Copper
Multilayer
Pe-x

ART. 925 | 945

ART.	SIZE	FITTING THREAD	CODE		
925	3/8"	24X1,5	82925AC06	10	50
925	1/2"	24X1,5	82925AD06	10	50
945	3/8"	1/2"	82945AC06	10	50
945	1/2"	1/2"	82945AD06	10	50

Straight micrometric lockshield. For copper, Pex-Al-Pex, Pex piping. O-ring and metallic closure on the seat. With anti-leakage radiator union.



Iron pipe

ART. 952

ART.	SIZE	CODE		
952	3/8"	82952AC06	20	100
952	1/2"	82952AD06	20	100
952	3/4"	82952AE06	20	100

Angle micrometric lockshield. For iron piping. O-ring and metallic closure on the seat. With anti-leakage radiator union.



Iron pipe

ART. 955

ART.	SIZE	CODE		
955	3/8"	82955AC06	10	50
955	1/2"	82955AD06	10	50
955	3/4"	82955AE06	10	50

Straight micrometric lockshield. For iron piping. O-ring and metallic closure on the seat. With anti-leakage radiator union.



Copper
Multilayer
Pe-x

ART. 837 | 839 | 854

ART.	SIZE	FITTING THREAD	CODE		
837	3/8"	1/2"	82837AC06	20	100
837	1/2"	1/2"	82837AD06	20	100
839	3/8"	24x1,5	82839AC06	20	100
839	1/2"	24x1,5	82839AD06	20	100
854	1/2"	3/4"	82854AD06	20	100

Angle lockshield. For copper, Pex-Al-Pex, Pex piping. O-ring and metallic closure on the seat. With anti-leakage radiator union.



Copper
Multilayer
Pe-x

ART. 833 | 835 | 855

ART.	SIZE	FITTING THREAD	CODE		
833	3/8"	1/2"	82833AC06	20	100
833	1/2"	1/2"	82833AD06	20	100
835	3/8"	24x1,5	82835AC06	20	100
835	1/2"	24x1,5	82835AD06	20	100
855	1/2"	3/4"	82855AD06	20	100

Straight lockshield. For copper, Pex-Al-Pex, Pex piping. O-ring and metallic closure on the seat. With anti-leakage radiator union.



Copper
Multilayer
Pe-x

ART. 827 | 830

ART.	SIZE	FITTING THREAD	CODE		
827	3/8"	1/2"	82827AC06	1	50
827	1/2"	1/2"	82827ADAD	1	50
827	1/2"	24x1,5	82827AD06	1	50
830	1/2"	3/4"	82830AD06	1	50

Angle lockshield. Radiator union with o-ring. For copper, Pex-Al-Pex, Pex piping.



Copper
Multilayer
Pe-x

ART. 829 | 831

ART.	SIZE	FITTING THREAD	CODE		
829	3/8"	1/2"	82829AC06	1	50
829	1/2"	24X1,5	82829AD06	1	50
831	1/2"	3/4"	82831AD06	1	50

Straight lockshield. Radiator union with o-ring. For copper, Pex-Al-Pex, Pex piping.



Iron pipe

ART. 805 | 805+940

ART.	SIZE	CODE		
805	3/8"	82805AC06	1	50
805	1/2"	82805AD06	1	50
805	3/4"	82805AE06	1	50
805+940	1/2"	82805AD06 940	1	50
805+940	3/4"	82805AE06 940	1	50

Single setting **angle lockshield.** For iron piping. Available also with anti-leakage radiator connection.



Iron pipe

ART. 815 | 815 +940

ART.	SIZE	CODE		
815	3/8"	82815AC06	1	50
815	1/2"	82815AD06	1	50
815	3/4"	82815AE06	1	50
815+940	1/2"	82815AD06 940	1	50
815+940	3/4"	82815AE06 940	1	50

Single setting **straight lockshield.** For iron piping. Available also with anti-leakage radiator connection.



Copper

ART. 162

ART.	SIZE	CODE		
162	1/2"x15	82162GE06	20	100

Angle lockshield with welding connection. Radiator union with o-ring. For copper piping.

FOUR-WAY VALVES WITH THERMOSTATIC OPTION FOR SINGLE PIPE AND DOUBLE PIPE SYSTEMS

A6



ART. 870

ART.	SIZE	CONNECTION FOR EXTERNAL PROBE	CODE		
870	1/2"	15 mm	81870AD06	10	50

Inverse angle valve with thermostatic option. With anti-leakage radiator union and fitting for connection to the 15mm external probe (art. 889). **Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.**



ART. 866

ART.	SIZE	CONNECTION FOR EXTERNAL PROBE	CODE		
866	1/2"	15 mm	81866AD06	10	50

Inverse angle valve with thermostatic option. Built-in air vent. With anti-leakage radiator union and fitting for connection to the 15mm external probe (art. 889). **Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.**



ART. 766

ART.	SIZE	CONNECTION FOR EXTERNAL PROBE	CODE		
766	1/2"	15 mm	81766AD06	10	50

Inverse angle thermostatic valve. With anti-leakage radiator union and fitting for connection to the 15mm external probe (art. 889). **Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.**



ART. 767

ART.	SIZE	CONNECTION FOR EXTERNAL PROBE	CODE		
767	1/2"	15 mm	81767AD06	10	50

Inverse angle thermostatic valve. Built-in air vent. With anti-leakage radiator union and fitting for connection to the 15mm external probe (art. 889). **Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.**



Iron pipe

ART. 878

ART.	SIZE	CODE		
878	1/2"	81878AD06	10	50

Inverse angle valve with thermostatic option with anti-leakage radiator union and fitting for connection to 1/2" iron pipe. **Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.**



ART. 868

ART.	SIZE	CONNECTION FOR EXTERNAL PROBE	CODE		
868	1/2"	15 mm	81868AD06	10	50

90° valve with thermostatic option. With fitting for connection to the 15mm external probe (art. 889). **Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread.**



Copper

Multilayer

Pe-x

ART. 875 | 877

ART.	SIZE	FITTING THREAD	CODE		
875	1/2"	24x1,5	81875AD06	10	50
877	1/2"	3/4"	81877AD06	10	50

Distributor for **single/double pipe**. Four-way group. Floor or wall connection. The valve can be easily switched from the one-pipe system (as provided) to the two-pipe system. With fitting for connection to the 15 mm external probe (art.889). **Interaxe 50 mm.**



ART. 889

ART.	DIAMETER (mm)	LENGTH (mm)	CODE	
889	15	600	818896006	1
889	15	800	818898006	1
889	15	1000	818891006	1

Chromed steel probe Ø 15 mm. Fox external connection.



Copper
Multilayer
Pe-x

ART. 891

ART.	SIZE	FITTING THREAD	CODE		
891	1/2"	24x1,5	81891AD06	2	20
891	3/4"	24x1,5	81891AE06	2	20

Single pipe valve with thermostatic option. Built-in lockshield-valve. Interaxe 37,5 mm. **Choose thermostatic and electrothermic actuators with 28x1,5 connection thread.**



Copper
Multilayer
Pe-x

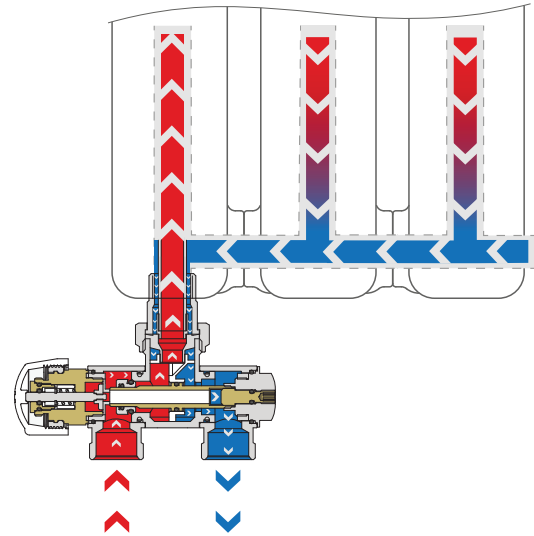
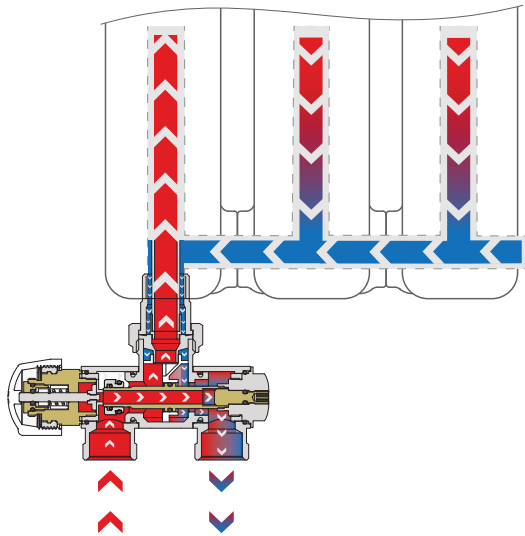
ART. 892

ART.	SIZE	FITTING THREAD	CODE		
892	1/2"	24x1,5	82892AD06	2	20
892	3/4"	24x1,5	82892AE06	2	20
892	1/2"	1/2"	82892ADAD	2	20

Double pipe valve with thermostatic option. Built-in lockshield-valve. Interaxe 37,5 mm. **Choose thermostatic and electrothermic actuators with 28x1,5 connection thread.**

SINGLE PIPE VERSION

DOUBLE PIPE VERSION



In this version the valve addresses 50% of the inlet flow to the radiator and 50% in by-pass.

In this version the valve addresses the whole inlet flow to the radiator.



Copper
Multilayer
Pe-x

ART. 906 | 907

ART.	SIZE	FITTING THREAD	CODE		
906	1/2"	24x1,5	81906AD06	2	20
907	1/2"	3/4"	81907AD06	2	20

Single-double pipe valve with thermostatic option. Adjustable for wall or floor connection. It can be installed either on the right or on the left side of the radiator. Built-in lockshield-valve. **Interaxe 50 mm. Choose thermostatic and electrothermic actuators with 28x1,5 connection thread.**



Copper
Multilayer
Pe-x

ART. 932 | 933

ART.	SIZE	FITTING THREAD	CODE		
932	1/2"	24x1,5	81932AE06	1	12
933	1/2"	3/4"	81933AE06	1	12

Single/double pipe 30x1,5 thermostatic straight valve with double connection. Distance between the exits 50 mm. Choose thermostatic and electrothermic actuators with 30x1,5 connection thread. Floor pipe connection.



Copper
Multilayer
Pe-x

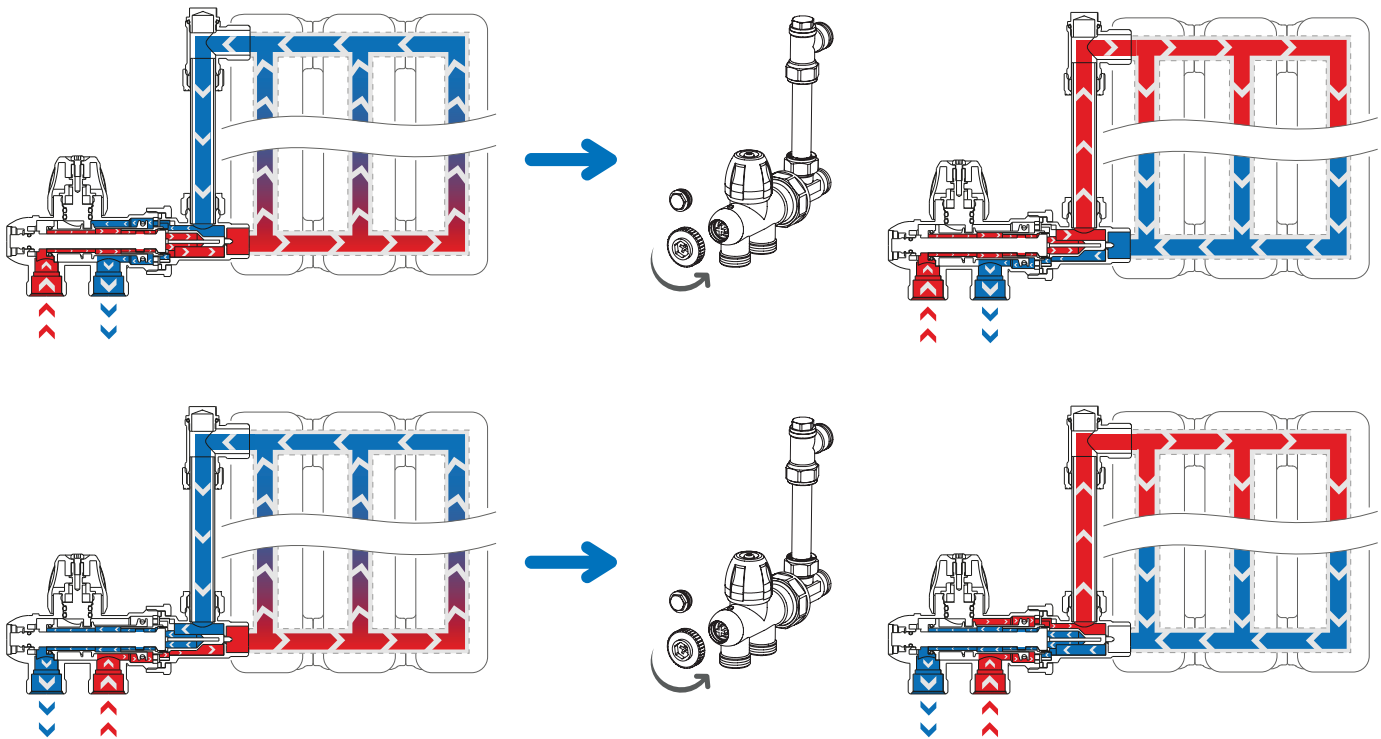
ART. 946 | 947

ART.	SIZE	FITTING THREAD	CODE		
946	1/2"	24x1,5	81946AED06	1	12
947	1/2"	3/4"	81947AED06	1	12

Single/double pipe 30x1,5 thermostatic angle valve with double connection. Distance between the exits 50 mm. Choose thermostatic and electrothermic actuators with 30x1,5 connection thread. **Wall pipe connection.** Left-side insert available on request.

PROBLEM

SOLUTION



Copper
Multilayer
Pe-x

ART. 887

ART.	SIZE	FITTING THREAD	CODE		
887	1/2"	24x1,5	81887AD06	2	20

Single pipe valve. Frontal knob. For copper, Pex-Al-Pex, Pex piping. Reversible flow entry. No need to empty neither the system nor the radiator. Interaxe 37,5 mm. Chromed steel probe, art.889, not included.



Copper
Multilayer
Pe-x

ART. 888

ART.	SIZE	FITTING THREAD	CODE		
888	1/2"	24x1,5	81888AD06	2	20

Single pipe valve. Frontal knob. For copper, Pex-Al-Pex, Pex piping. Reversible flow entry. Interaxe 37,5 mm. Chromed steel probe, art.889, not included.



Copper
Multilayer
Pe-x

ART. 886

ART.	SIZE	FITTING THREAD	CODE		
886	1/2"	24x1,5	81886AD06	2	20
886	3/4"	24x1,5	81886AE06	2	20
886	1"	24x1,5	81886AF06	2	20

Single pipe valve. Frontal knob. For copper, Pex-Al-Pex, Pex piping. Reversible flow entry. Interaxe: 37,5 mm. 40 cm probe. The connection thread to the radiator could be either on the right or on the left side.



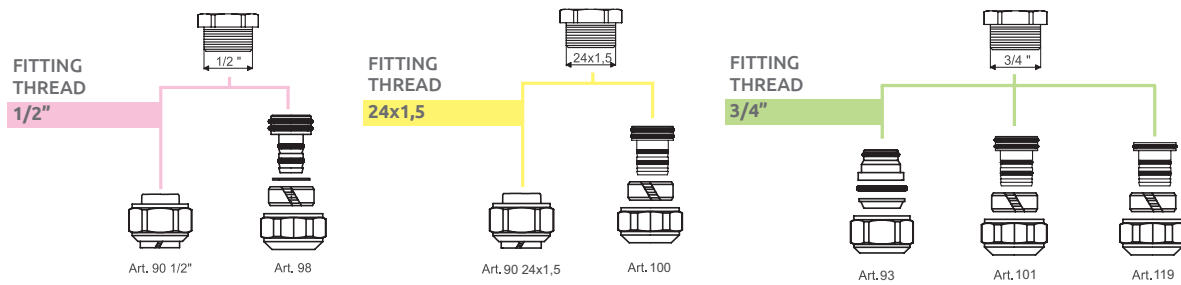
Copper
Multilayer
Pe-x

ART. 894 | 895

ART.	SIZE	FITTING THREAD	CODE		
894	1/2"	24x1,5	81894AD06	2	20
895	1/2"	3/4"	81895AD06	2	20

Single/double pipe manual valve. Adjustable for wall or floor connection. It can be installed either on the right or on the left side of the radiator. Built-in lockshield-valve. Interaxis 50 mm.

CHOICE OF FITTINGS ACCORDING TO VALVE AND LOCKSHIELD CONNECTION THREAD



ART. 90

ART.	PIPE SIZE	FITTING THREAD	CODE		
90	10	1/2"	81090FC06	1	250
90	12	1/2"	81090FD06	1	250
90	14	1/2"	81090FE06	1	250
90	15	1/2"	81090FF06	1	250
90	16	1/2"	81090FG06	1	250
90	10	24x1,5	81090GB06	1	250
90	12	24x1,5	81090GC06	1	250
90	14	24x1,5	81090GD06	1	250
90	15	24x1,5	81090GE06	1	250
90	16	24x1,5	81090GF06	1	250
90	18	24x1,5	81090GG06	1	250

Patent-pending fitting SICURBLOC for copper pipe.



ART. 93

ART.	PIPE SIZE	FITTING THREAD	CODE		
93	12	3/4"	81093HB06	1	250
93	14	3/4"	81093HC06	1	250
93	15	3/4"	81093HD06	1	250
93	16	3/4"	81093HE06	1	250
*93	18	3/4"	81093HF06	5	250

Euroconus fitting for copper pipe. With o-ring.



ART. 100

ART.	PIPE SIZE	EXT. PIPE SIZE	INT. PIPE SIZE	FITTING THREAD	CODE		
100	18x2,5	18	13	24X1,5	81100GG06	1	250
100	20x2,5	20	15	24X1,5	81100GK06	1	250
100	12x1,1	12	9,8	24X1,5	81100GB06	1	250
100	12X2	12	8	24X1,5	81100BM06	1	250
100	14X2	14	10	24X1,5	81100BN06	1	250
100	16X2	16	12	24X1,5	81100GH06	1	250
100	18X2	18	14	24X1,5	81100GJ06	1	250
100	20X2	20	16	24X1,5	81100BQ06	1	250
100	16X2,2	16	11,6	24X1,5	81100BO06	1	250
100	16X2,25	16	11,5	24X1,5	81100BO06	1	250
100	18X2,2	18	13,6	24X1,5	81100BP06	1	250
100	20X2,25	20	15,5	24X1,5	81100BR06	1	250
100	16X1,5	16	13	24X1,5	81100GI06	1	250
100	20X1,9	20	16,2	24X1,5	81100GN06	1	250
100	16X2,6	16,2	11	24X1,5	81100GL06	1	250
100	17x2	17	13	24x1,5	81100BS06	1	250
100	20x2,9	20	14,2	24x1,5	81100GM06	1	250
100	25x2,5	25	20	1"	81100GO06	1	150
100	26x3	26	20	1"	81100GP06	1	150

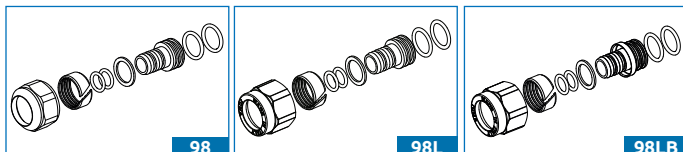
Fitting for Pex and Pex-Al-Pex pipe.



ART. 98

ART.	PIPE SIZE	EXT. PIPE SIZE	INT. PIPE SIZE	FITTING THREAD	CODE		
98	16x1,5	16	13	1/2"	81098GI06	1	250
98	14x2	14	10	1/2"	81098BN06	1	250
98	16x2	16	12	1/2"	81098GH06	1	250
*98L	16x2	16	12	1/2"	81098LGH06	1	250
98	16x2,2 16x2,25	16	11,6 11,5	1/2"	81098BO06	1	250
**98LB	16x2	16	12	1/2"	81098LBGH06	1	250

Fitting for Pex and Pex-Al-Pex pipe.





ART. 101

ART.	SIZE DEL TUBO	SIZE ESTERNA TUBO	SIZE INTERNA TUBO	FITTING THREAD	CODE	📦	
101	18x2,5	18	13	3/4"	81101GG06	1	250
101	20x2,5	20	15	3/4"	81101GK06	1	250
101	12x1,1	12	9,8	3/4"	81101GB06	1	250
101	12X2	12	8	3/4"	81101BM06	1	250
101	14X2	14	10	3/4"	81101BN06	1	250
101	16x1,8	16	12,4	3/4"	81101BW06	1	250
101	16X2	16	12	3/4"	81101GH06	1	250
101	18X2	18	14	3/4"	81101GJ06	1	250
101	20X2	20	16	3/4"	81101BQ06	1	250
101	16X2,2	16	11,6	3/4"	81101BO06	1	250
101	16X2,25	16	11,5	3/4"	81101BO06	1	250
101	18X2,2	18	13,6	3/4"	81101BP06	1	250
101	20X2,25	20	15,5	3/4"	81101BR06	1	250
101	16X1,5	16	13	3/4"	81101GI06	1	250
101	20X1,9	20	16,2	3/4"	81101GN06	1	250
101	16X2,6	16,2	11	3/4"	81101GL06	1	250
101	17x2	17	13	3/4"	81101BS06	1	250
101	20x2,9	20	14,2	3/4"	81101GM06	1	250

Fitting for Pex and Pex-Al-Pex pipe. Long nut and adapter with **4 o-rings**.



ART. 514

ART.	SIZE	CODE	📦	
514	24X1,5	81514OO06	1	

Extender M24X1,5, male-female. L=20 mm. It enables to extend the connection of the valve for Pex-Al-Pex or copper pipe fittings to reach the pipe.



ART. 116

ART.	SIZE	CODE	📦	
116	24-27	87116OO06	1	

Wrench for fittings. Hexagon 24 for 1/2" fittings. Hexagon 27 for 24x1,5 fittings.



ART. 720

ART.	SIZE	CODE	📦	
720	3/8"x1	82720CH06	5	100
720	3/8"x2	82720CI06	5	100
720	3/8"x3	82720CL06	5	100
720	3/8"x4	82720CM06	5	100
720	3/8"x5	82720CN06	5	100
720	3/8"x6	82720CO06	5	100
720	1/2"x1	82720CP06	5	100
720	1/2"x2	82720CQ06	5	100
720	1/2"x3	82720CR06	5	100
720	1/2"x4	82720CS06	5	100
720	1/2"x5	82720CT06	5	100
720	1/2"x6	82720CU06	5	100
720	3/4"x5	82720CV06	5	100

Eccentric for radiators.



ART. 119

ART.	PIPE SIZE	EXT. PIPE SIZE	INT. PIPE SIZE	FITTING THREAD	CODE	📦	
119*	12x1,1	12	9,8	3/4"	81119GB06	1	250
119**	16x1,5	16	13	3/4"	81119GI06	1	250
119**	16x2	16	12	3/4"	81119GH06	1	250
119**	17x2	17	13	3/4"	81119BS06	1	250

Fitting for Pex and Pex-Al-Pex pipe. Compact adapter available with **1 O-ring** or **3 O-rings** version.



ART. 140

ART.	SIZE	CODE		
140	1/2"	90140AD06	1	100

1/2" angle fitting. **Flat seat**, 3/4" nut. For connection to wall boilers.



ART. 141

ART.	SIZE	CODE		
141	1/2"	90141AD06	1	100

1/2" angle fitting. **Conical seat**, o-ring. To connect the valve to the radiator.



ART. 106

ART.	CODE		
106	82106AC20	1	30

Single rosette for two-pipe radiator valve. With pipe cover.



ART. 107

ART.	CODE	
107	81107AD20	1000

Double rosette for one-pipe radiator valve. With pipe cover.



ART. 108

ART.	CODE		
108	82108AC20	100	2000

Single rosette for two-pipe radiator valve.



ART. 109

ART.	CODE		
109	81109AD20	1	50

Double rosette for one-pipe radiator valve.



Copper
Multilayer
Pe-x

ART. 897

ART.	SIZE	FITTING THREAD	CODE		
897	1/2"	3/4"	82897AD06	10	50

Two-pipe system double straight distributor. For integrated panels with built-in thermostatic group. **Suitable for 1/2" Female radiator connection. Euroconus connection to the pipe.**



Copper
Multilayer
Pe-x

ART. 902

ART.	SIZE	FITTING THREAD	CODE		
902	1/2"	3/4"	81902AD06	10	50

One-pipe system double straight distributor. For integrated panels with built-in thermostatic group. **Suitable for 1/2" Female radiator connection. Euroconus connection to the pipe.**



Copper
Multilayer
Pe-x

ART. 884

ART.	SIZE	FITTING THREAD	CODE		
884	1/2"	3/4"	82884AD06	10	50

Two-pipe system double angle distributor. For integrated panels with built-in thermostatic group. **Suitable for 1/2" Female radiator connection. Euroconus connection to the pipe.**



Copper
Multilayer
Pe-x

ART. 903

ART.	SIZE	FITTING THREAD	CODE		
903	1/2"	3/4"	81903AD06	10	50

One-pipe system double angle distributor. For integrated panels with built-in thermostatic group. **Suitable for 1/2" Female radiator connection. Euroconus connection to the pipe.**



Copper
Multilayer
Pe-x

ART. 896

ART.	SIZE	FITTING THREAD	CODE		
896	3/4"	3/4"	82896AE06	10	50

Two-pipe system double straight distributor. For integrated panels with built-in thermostatic group. **Suitable for 3/4" Male radiator connection. Euroconus connection to the pipe.**



Copper
Multilayer
Pe-x

ART. 904

ART.	SIZE	FITTING THREAD	CODE		
904	3/4"	3/4"	81904AE06	10	50

One-pipe system double straight distributor. For integrated panels with built-in thermostatic group. **Suitable for 3/4" Male radiator connection. Euroconus connection to the pipe.**



Copper
Multilayer
Pe-x

ART. 883

ART.	SIZE	FITTING THREAD	CODE		
883	3/4"	3/4"	82883AE06	10	50

Two-pipe system double angle distributor. For integrated panels with built-in thermostatic group. **Suitable for 3/4" Male radiator connection. Euroconus connection to the pipe.**



Copper
Multilayer
Pe-x

ART. 905

ART.	SIZE	FITTING THREAD	CODE		
905	3/4"	3/4"	81905AE06	10	50

One-pipe system double angle distributor. For integrated panels with built-in thermostatic group. **Suitable for 3/4" Male radiator connection. Euroconus connection to the pipe.**

SINGLE/DOUBLE PIPE DISTRIBUTORS FOR PANEL WITH BUILT-IN THERMOSTATIC GROUP



ART. 885

ART.	SIZE	FITTING THREAD	CODE		
885	1/2"	3/4"	81885AD05	10	200

Union with gasket for panels 1/2" male. For art. 883,884, 896 e 897.



ART. 898

ART.	SIZE	FITTING THREAD	CODE		
898	1/2"	3/4"	81898AD05	10	200

Union with gasket for panels 1/2" Female. For art. 902, 903, 912, 913.



ART. 899

ART.	FITTING THREAD	CODE		
899	3/4"	81899AD05	10	200

Adaptor for panels 3/4"Male. For art. 904, 905, 914, 915.



ART. 701

ART.	SIZE	CODE	
701	1/8"	82701AA06	100
701	1/4"	82701AB06	100
701	3/8"	82701AC06	100
701	1/2"	82701AD06	50

Manual air vent. Soft seat, white plastic knob.



ART. 702

ART.	SIZE	CODE	
702	1/4"	82702AB06	100
702	3/8"	82702AC06	100
702	1/2"	82702AD06	50

Manual air vent. Soft seat, white plastic knob, teflon ring.



ART. 703

ART.	SIZE	CODE	
703	1/8"	82703AA06	100
703	1/4"	82703AB06	100
703	3/8"	82703AC06	100

Manual air vent. Soft seat, brass nickel plated knob.



ART. 717

ART.	SIZE	CODE	
717	1/8"	82717AA06	100
717	1/4"	82717AB06	100
717	3/8"	82717AC06	100

Manual air vent with revolving drain knob. O-ring seat on the radiator connection.



ART. 705

ART.	SIZE	CODE	
705	1/2"	82705AD06	500
705	3/4"	82705AE06	500

Manual air vent with revolving drain knob. O-ring seat on the radiator connection.



ART. 706

ART.	SIZE	CODE	
706	1/2"	82706AD06	500
706	3/4"	82706AE06	500

Plug with o-ring seat on the radiator connection.



ART. 715

ART.	SIZE	CODE		
715	3/8"	82715AC06	10	100
715	1/2"	82715AD06	10	100
715	3/4"	82715AE06	10	100

Angle automatic floating air vent. Nickel plated.



ART. 716

ART.	SIZE	CODE		
716	1"DX	82716AF06	10	100
716	1" SX	82716AT06	10	100


Radiator plug with automatic floating air vent. EPDM gasket on the radiator connection.



ART. 718

ART.	SIZE	MATERIAL	CODE	
718	5 MM	METAL	82718OO06	100
718	5 MM	PLASTIC	82718OO020	100

Metal tool for item 705 and 711, 5 mm.




LEFT VERSION RIGHT VERSION

Copper
Multilayer
Pe-x

ART. 1140

ART.	SIZE	FITTING THREAD	VERSION	CODE	Icons	
1140	1/2"	24x1,5	RIGHT	821140ADD07	1	24
1140	1/2"	24x1,5	LEFT	821140ADS07	1	24

Double angle valve with thermostatic option for copper, Pex-Al-pex, pex piping for thermostatic heads and electrothermic actuators. Right and left version available. Ideal in case of limited spaces. With antileakage radiator union. **For installation of electrothermic actuators use connection ring art. 22023AY20. Chrome finish.**



LEFT VERSION RIGHT VERSION

Copper
Multilayer
Pe-x

ART. 1143

ART.	SIZE	FITTING THREAD	VERSION	CODE	Icons	
1143	1/2"	24X1,5	RIGHT	821143ADD07	1	24
1143	1/2"	24X1,5	LEFT	821143ADS07	1	24

Double angle lockshield for copper, Pex-Al-pex, pex piping for design radiators. Right and left version available. With antileakage radiator connection. **Chrome finish.**



Copper
Multilayer
Pe-x

ART. 1110

ART.	SIZE	FITTING THREAD	CODE	Icons	
1110	3/8"	24X1,5	821110AC07	1	24
1110	1/2"	24X1,5	821110AD07	1	24

Angle valve with thermostatic option. For copper, Pex-Al-pex, pex piping. With anti-leakage radiator union. **Choose thermostatic actuators with 28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20. Chrome finish.**



Copper
Multilayer
Pe-x

ART. 1111

ART.	SIZE	FITTING THREAD	CODE	Icons	
1111	3/8"	24X1,5	821111AC07	1	24
1111	1/2"	24X1,5	821111AD07	1	24

Straight valve with thermostatic option. For copper, Pex-Al-pex, pex piping. With anti-leakage radiator union. Choose thermostatic actuators with **28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20. Chrome finish.**



Iron pipe

ART. 1112

ART.	SIZE	CODE	Icons	
1112	1/2"	821112AD07	1	24

Angle valve with thermostatic option. For iron piping. With anti-leakage radiator union. Choose thermostatic actuators with **28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20. Chrome finish.**



Iron pipe

ART. 1113

ART.	SIZE	CODE	Icons	
1113	1/2"	821113AD07	1	24

Straight valve with thermostatic option. For iron piping. With antileakage radiator union. Choose thermostatic actuators with **28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20. Chrome finish.**



Copper
Multilayer
Pe-x

ART. 1118

ART.	SIZE	FITTING THREAD	CODE	Icons	
1118	3/8"	24X1,5	821118AC07	1	24
1118	1/2"	24X1,5	821118AD07	1	24

Angle micrometric lockshield for copper, Pex-Al-Pex, Pex pipe. With anti-leakage radiator connection. **Chrome finish.**



Copper
Multilayer
Pe-x

ART. 1119

ART.	SIZE	FITTING THREAD	CODE	Icons	
1119	3/8"	24X1,5	821119AC07	1	24
1119	1/2"	24X1,5	821119AD07	1	24

Straight micrometric lockshield for copper, Pex-Al-Pex, Pex pipe. With anti-leakage radiator connection. **Chrome finish.**



Iron pipe

ART. 1120

ART.	SIZE	CODE		
1120	1/2"	821120AD07	1	24

Angle micrometric lockshield for iron pipe. With anti-leakage radiator connection. **Chrome finish.**



Iron pipe

ART. 1121

ART.	SIZE	CODE		
1121	1/2"	821121AD07	1	24

Straight micrometric lockshield for iron pipe. With anti-leakage radiator connection. **Chrome finish.**



RIGHT VERSION

LEFT VERSION

Copper

Multilayer

Pe-x

ART. 1146

ART.	SIZE	FITTING THREAD	VERSION	CODE		
1146	1/2"	24X1,5	RIGHT	821146ADD13	1	24
1146	1/2"	24X1,5	LEFT	821146ADS13	1	24

Double angle valve with thermostatic option for copper, Pex-Al-Pex, Pex pipe, for thermostatic heads and electrothermic actuators. Right and left version available. Ideal for design radiators or in case of limited spaces. **For installation of electrothermic actuators use connection ring art. 22023AY20. White finish. With anti-leakage radiator union.**



RIGHT VERSION

LEFT VERSION

Copper

Multilayer

Pe-x

ART. 1147

ART.	SIZE	FITTING THREAD	VERSION	CODE		
1147	1/2"	24X1,5	RIGHT	821147ADD13	1	24
1147	1/2"	24X1,5	LEFT	821147ADS13	1	24

Double angle lockshield for copper Pex-Al-Pex, Pex pipe, for design radiators. Right and left version available. **White finish.**



• White finish with chromed radiator connection and nut

Copper

Multilayer

Pe-x

ART. 1122

ART.	SIZE	FITTING THREAD	CODE		
1122	3/8"	24X1,5	821122AC13	1	24
1122	1/2"	24X1,5	821122AD13	1	24
• 1122	3/8"	24X1,5	821122AC1307	1	24
• 1122	1/2"	24X1,5	821122AD1307	1	24

Angle valve with thermostatic option. For copper, Pex-Al-pex, pex piping. With anti-leakage radiator union. Choose thermostatic actuators with 28x1,5 connection thread. **For installation of electrothermic actuators use connection ring art. 22023AY20. White finish.**



• White finish with chromed radiator connection and nut

Copper

Multilayer

Pe-x

ART. 1123

ART.	SIZE	FITTING THREAD	CODE		
1123	3/8"	24X1,5	821123AC13	1	24
1123	1/2"	24X1,5	821123AD13	1	24
• 1123	3/8"	24X1,5	821123AC1307	1	24
• 1123	1/2"	24X1,5	821123AD1307	1	24

Straight valve with thermostatic option. For copper, Pex-Al-pex, pex piping. With anti-leakage radiator union. Choose thermostatic actuators with 28x1,5 connection thread. **For installation of electrothermic actuators use connection ring art. 22023AY20. White finish.**



• White finish with chromed radiator connection and nut

Iron pipe

ART. 1124

ART.	SIZE	CODE		
1124	1/2"	821124AD13	1	24
• 1124	1/2"	821124AD1307	1	24

Angle valve with thermostatic option. For iron piping. With anti-leakage radiator union. Choose thermostatic actuators with 28x1,5 connection thread. **For installation of electrothermic actuators use connection ring art. 22023AY20. White finish.**



• White finish with chromed radiator connection and nut

Iron pipe

ART. 1125

ART.	SIZE	CODE		
1125	1/2"	821125AD13	1	24
• 1125	1/2"	821125AD1307	1	24

Straight valve with thermostatic option. For iron piping. With anti-leakage radiator union. Choose thermostatic actuators with 28x1,5 connection thread. **For installation of electrothermic actuators use connection ring art. 22023AY20. White finish.**



• White finish with chromed radiator connection and nut

Copper
Multilayer
Pe-x

ART. 1130

ART.	SIZE	FITTING THREAD	CODE		
1130	3/8"	24X1,5	821130AC13	1	24
1130	1/2"	24X1,5	821130AD13	1	24
• 1130	3/8"	24X1,5	821130AC1307	1	24
• 1130	1/2"	24X1,5	821130AD1307	1	24

Angle micrometric lockshield for copper, Pex-Al-Pex, Pex pipe. With anti-leakage radiator connection. **White finish.**



• White finish with chromed radiator connection and nut

Copper
Multilayer
Pe-x

ART. 1131

ART.	SIZE	FITTING THREAD	CODE		
1131	3/8"	24X1,5	821131AC13	1	24
1131	1/2"	24X1,5	821131AD13	1	24
• 1131	3/8"	24X1,5	821131AC1307	1	24
• 1131	1/2"	24X1,5	821131AD1307	1	24

Straight micrometric lockshield for copper, Pex-Al-Pex, Pex pipe. With anti-leakage radiator connection. **White finish.**



• White finish with chromed radiator connection and nut

Iron pipe

ART. 1132

ART.	SIZE	CODE		
1132	1/2"	821132AD13	1	24
• 1132	1/2"	821132AD1307	1	24

Angle micrometric lockshield for iron pipe. With anti-leakage radiator connection. **White finish.**



• White finish with chromed radiator connection and nut

Iron pipe

ART. 1133

ART.	SIZE	CODE		
1133	1/2"	821133AD13	1	24
• 1133	1/2"	821133AD1307	1	24

Straight micrometric lockshield for iron pipe. With anti-leakage radiator connection. **White finish.**



Copper
Multilayer
Pe-x

NEW

ART. 1134

ART.	SIZE	FITTING THREAD	CODE		
1134	3/8"	24X1,5	821134AC09	1	24
1134	1/2"	24X1,5	821134AD09	1	24

Angle valve with thermostatic option. For copper, Pex-Al-Pex, Pex piping. With anti-leakage radiator union. **Choose thermostatic actuators with 28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20. Matt black finish.**



Copper
Multilayer
Pe-x

NEW

ART. 1135

ART.	SIZE	FITTING THREAD	CODE		
1135	3/8"	24X1,5	821135AC09	1	24
1135	1/2"	24X1,5	821135AD09	1	24

Angle micrometric lockshield for copper, Pex-Al-Pex, Pex pipe. With anti-leakage radiator connection. **Matt black finish.**



Iron pipe

ART. 1156

ART.	SIZE	CODE		
1156	1/2"	821156AD09	1	25

Angle valve with thermostatic option. For iron piping. With anti-leakage radiator union. **Choose thermostatic actuators with 28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20. Matt black finish.**



Iron pipe

ART. 1157

ART.	SIZE	CODE		
1157	1/2"	821157AD09	1	24

Angle micrometric lockshield for iron pipe. With anti-leakage radiator connection. **Matt black finish.**



Copper
Multilayer
Pe-x

NEW

ART. 1152

ART.	SIZE	FITTING THREAD	CODE		
1152	3/8"	24X1,5	821152AC09	1	24
1152	1/2"	24X1,5	821152AD09	1	24

Straight valve with thermostatic option. For copper, Pex-Al-pex, pex piping. With anti-leakage radiator union. Choose thermostatic actuators with **28x1,5 connection thread**. For installation of electrothermic actuators use connection ring art. 22023AY20. **Matt black finish.**



Copper
Multilayer
Pe-x

NEW

ART. 1153

ART.	SIZE	FITTING THREAD	CODE		
1153	3/8"	24X1,5	821153AC09	1	24
1153	1/2"	24X1,5	821153AD09	1	24

Straight micrometric lockshield for copper, Pex-Al-Pex, Pex pipe. With anti-leakage radiator connection. **Matt black finish.**



Iron pipe

NEW

ART. 1154

ART.	SIZE	CODE		
1154	1/2"	821154AD09	1	24

Straight valve with thermostatic option. For iron piping. With antileakage radiator union. Choose thermostatic actuators with **28x1,5 connection thread**. For installation of electrothermic actuators use connection ring art. 22023AY20. **Matt black finish.**



Iron pipe

NEW

ART. 1155

ART.	SIZE	CODE		
1155	1/2"	821155AD09	1	24

Straight micrometric lockshield for iron pipe. With anti-leakage radiator connection. **Matt black finish.**



RIGHT VERSION

LEFT VERSION

Copper
Multilayer
Pe-x

NEW

ART. 1148

ART.	SIZE	FITTING THREAD	VERSION	CODE		
1148	1/2"	24X1,5	RIGHT	821148ADD09	1	24
1148	1/2"	24X1,5	LEFT	821148ADS09	1	24

Double angle valve with thermostatic option for copper, Pex-Al-Pex, Pex pipe, for thermostatic heads and electrothermic actuators. Right and left version available. Ideal for design radiators or in case of limited spaces. For installation of electrothermic actuators use connection ring art. 22023AY20. **Matt black finish.** With anti-leakage radiator union.



LEFT VERSION

RIGHT VERSION

Copper
Multilayer
Pe-x

NEW

ART. 1149

ART.	SIZE	VERSION	CODE		
1149	1/2"	RIGHT	821149ADD09	1	24
1149	1/2"	LEFT	821149ADS09	1	24

Double angle lockshield for copper Pex-Al-Pex, Pex pipe, for design radiators. Right and left version available. **Matt black finish.**



Copper
Multilayer
Pe-x



ART. 1136

ART.	SIZE	FITTING THREAD	CODE		
1136	1/2"	3/4"	821136AD09	2	20

Single-double pipe valve with thermostatic option. Adjustable for wall or floor connection. It can be installed either on the right or on the left side of the radiator. Built-in lockshield-valve. **Interaxe 50 mm. Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20. Matt black finish.**



Copper
Multilayer
Pe-x



ART. 1138

ART.	SIZE	FITTING THREAD	CODE		
1138	1/2"	3/4"	811138AED09	1	12

Single/double pipe 30x1,5 thermostatic angle valve with double connection. Distance between the exits 50 mm. Choose thermostatic and electrothermic actuators with 30x1,5 connection thread. **Wall pipe connection.** Left-side insert available on request. **Matt black finish.**



Copper
Multilayer
Pe-x



ART. 1137

ART.	SIZE	FITTING THREAD	CODE		
1137	1/2"	3/4"	811137AE09	1	12

Single/double pipe 30x1,5 thermostatic straight valve with double connection. Distance between the exits 50 mm. Choose thermostatic and electrothermic actuators with 30x1,5 connection thread. **Floor pipe connection. Matt black finish.**



Copper
Multilayer
Pe-x

ART. 908 | 909

ART.	SIZE	FITTING THREAD	CODE		
908	1/2"	24X1,5	82908AD07	2	20
909	1/2"	3/4"	82909AD07	2	20

Single-double pipe valve with thermostatic option. Adjustable for wall or floor connection. It can be installed either on the right or on the left side of the radiator. Built-in lockshield-valve. **Interaxe 50 mm. Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20. Chrome finish.**



Copper
Multilayer
Pe-x

ART. 938 | 968

ART.	SIZE	FITTING THREAD	CODE		
938	1/2"	24X1,5	82938AD07	2	20
968	1/2"	3/4"	82968AD07	2	20

Single-double pipe valve for towel heaters and design radiators with 360° rotating pipe connection. Universal model which can be installed both on right / left hand side of the towel heater. Distance between the exits 50 mm. The valve can be easily switched from one to two pipe systems. It includes an internal lockshield for the by-pass regulation when installed in one-pipe systems. **Chrome finish.**



Copper
Multilayer
Pe-x

ART. 930 | 931

ART.	SIZE	FITTING THREAD	CODE	📦	📦
930	1/2"	24X1,5	82930AD13	2	20
931	1/2"	3/4"	82931AD13	2	20

Single-double pipe valve with thermostatic option. Adjustable for wall or floor connection. It can be installed either on the right or on the left side of the radiator. Built-in lockshield-valve. **Interaxe 50 mm. Choose thermostatic heads and electrothermic actuators with 28x1,5 connection thread. For installation of electrothermic actuators use connection ring art. 22023AY20. White finish.**



Copper
Multilayer
Pe-x

ART. 923 | 943

ART.	SIZE	FITTING THREAD	CODE	📦	📦
923	1/2"	24X1,5	82923AD13	2	20
943	1/2"	3/4"	82943AD13	2	20

Single-double pipe valve for towel heaters and design radiators with 360° rotating pipe connection. Universal model which can be installed both on right / left hand side of the towel heater. Distance between the exits 50 mm. The valve can be easily switched from one to two pipe systems. It includes an internal lockshield for the by-pass regulation when installed in one-pipe systems. **White finish.**



Copper
Multilayer
Pe-x

ART. 934 | 935

ART.	SIZE	FITTING THREAD	CODE	📦	📦
934	1/2"	24x1,5	81934AE07	1	12
935	1/2"	3/4"	81935AE07	1	12

Single-double pipe 30x1,5 thermostatic straight valve with double connection. Distance between the exits 50 mm. Choose thermostatic and electrothermic actuators with 30x1,5 connection thread. **Chrome finish. Floor pipe connection.**



Copper
Multilayer
Pe-x

ART. 948 | 949

ART.	SIZE	FITTING THREAD	CODE	📦	📦
948	1/2"	24x1,5	81948AED07	1	12
949	1/2"	3/4"	81949AED07	1	12

Single-double pipe 30x1,5 thermostatic angle valve with double connection. Distance between the exits 50 mm. Choose thermostatic and electrothermic actuators with 30x1,5 connection thread. **Chrome finish. Wall pipe connection.** Left-side insert available on request.



Copper
Multilayer
Pe-x

ART. 936 | 937

ART.	SIZE	FITTING THREAD	CODE	📦	📦
936	1/2"	24x1,5	81936AE13	1	12
937	1/2"	3/4"	81937AE13	1	12

Single-double pipe 30x1,5 thermostatic straight valve with double connection. Distance between the exits 50 mm. Choose thermostatic and electrothermic actuators with 30x1,5 connection thread. **White finish. Floor pipe connection.**



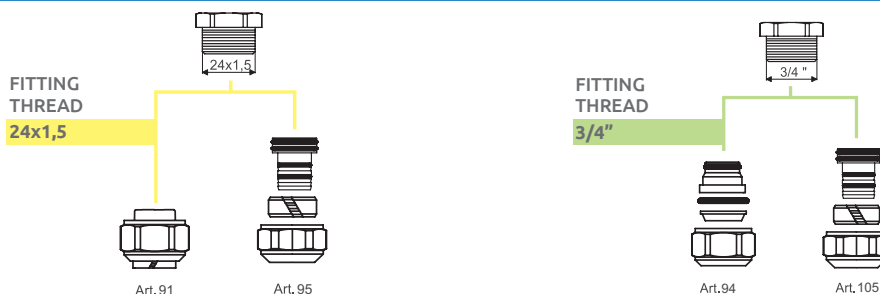
Copper
Multilayer
Pe-x

ART. 956 | 957

ART.	SIZE	FITTING THREAD	CODE	📦	📦
956	1/2"	24x1,5	81956AED13	1	12
957	1/2"	3/4"	81957AED13	1	12

Single-double pipe 30x1,5 thermostatic angle valve with double connection. Distance between the exits 50 mm. Choose thermostatic and electrothermic actuators with 30x1,5 connection thread. **White finish. Wall pipe connection.** Left-side insert available on request.

CHOICE OF FITTINGS ACCORDING TO VALVE AND LOCKSHIELD CONNECTION THREAD



ART. 95

ART.	PIPE SIZE	EXT. PIPE SIZE	INT. PIPE SIZE	FITTING THREAD	CODE	📦	
95	18x2,5	18	13	24X1,5	81095GG07	2	48
95	14X2	14	10	24X1,5	81095BN07	2	48
95	16X2	16	12	24X1,5	81095GH07	2	48
95	18X2	18	14	24X1,5	81095GJ07	2	48
95	20X2	20	16	24X1,5	81095BQ07	2	48
95	16X2,2	16	11,6	24X1,5	81095BO07	2	48
95	16X2,25	16	11,5	24X1,5	81095BO07	2	48
95	16X2,6	16,2	11	24X1,5	81095GL07	2	48
95	17x2	17	13	24x1,5	81095BS07	2	48

Fitting for Pex and Pex-Al-Pex pipe. **Chrome finish.**



ART. 91

ART.	PIPE SIZE	FITTING THREAD	CODE	📦	
91	10	24x1,5	81091GB07	2	48
91	12	24x1,5	81091GC07	2	48
91	14	24x1,5	81091GD07	2	48
91	15	24x1,5	81091GE07	2	48
91	16	24x1,5	81091GF07	2	48
91	18	24x1,5	81091GG07	2	48

Fitting "SICURBLOC" for copper pipe. **Chrome finish.**



ART. 105

ART.	PIPE SIZE	EXT. PIPE SIZE	INT. PIPE SIZE	FITTING THREAD	CODE	📦	
105	12x1,1	12	9,8	3/4"	81105GB07	2	48
105	16x1,5	16	13	3/4"	81105GI07	2	48
105	16x2	16	12	3/4"	81105GH07	2	48
105	17x2	17	13	3/4"	81105BS07	2	48
105	18x2	18	14	3/4"	81105GJ07	2	48
105	20x2	20	16	3/4"	81105BQ07	2	48

Fitting for Pex and Pex-Al-Pex pipe. **Chrome finish.**



ART. 94

ART.	PIPE SIZE	FITTING THREAD	CODE	📦	
94	12	3/4"	81094HB07	2	48
94	14	3/4"	81094HC07	2	48
94	15	3/4"	81094HD07	2	48
94	16	3/4"	81094HE07	2	48
94	18	3/4"	81094HF07	2	48

Euroconus fitting for copper pipe with o-ring seat. **Chrome finish.**



ART. 91

ART.	PIPE SIZE	FITTING THREAD	CODE		
91	10	24x1,5	81091GB09	2	48
91	12	24x1,5	81091GC09	2	48
91	14	24x1,5	81091GD09	2	48
91	15	24x1,5	81091GE09	2	48

Fitting "SICURBLOC" for copper pipe. **Matt black finish.**



ART. 95

ART.	FITTING THREAD	CODE		
95	16x2	81095GH09	2	48
95	20x2	81095BQ09	2	48

Fitting for Pex and Pex-Al-Pex pipe. **Matt black finish.**



ART. 91

ART.	PIPE SIZE	FITTING THREAD	CODE		
91	15	24x1,5	81091GE13	2	48

Fitting "SICURBLOC" for copper pipe. **White finish.**



ART. 95

ART.	FITTING THREAD	CODE		
95	18x2,5	81095GG13	2	48
95	16x2	81095GH13	2	48
95	18x2	81095GJ13	2	48

Fitting for Pex and Pex-Al-Pex pipe. **White finish.**



ART. 1099 | 1098

ART.	CONNECTION THREAD	CODE		
1099	28x1,5	821099AC07	1	50
1098	30x1,5	821098AC07	1	50

Thermostatic head **with liquid sensor** for thermostatic valves for radiators. Temperature locking and limiting to a desired value with a forked pin system (see instructions on page 13). Hysteresis 0,19°C; Room temperature setting range T = 7-28°C. **Chrome finish.**



ART. 106

ART.	CODE	
106	82106AC07	1000

Chromed single rosette with pipe cover for two-pipe valve.



ART.1151 - ART.1150

ART.	CONNECTION THREAD	CODE		
1151	28X1,5	821151AC09	1	50
1150	30X1,5	821150AC09	1	50

Thermostatic head **with liquid sensor** for thermostatic valves for radiators. Temperature locking and limiting to a desired value with a forked pin system (see instructions on page 13). Hysteresis 0,19°C; Room temperature setting range T = 7-28°C. **Matt black finish.**



ART. 108

ART.	CODE		
108	82108AC07	100	2000

Chromed single rosette for two-pipe valve.



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B

LOCKSHIELD AND CIRCULATION PUMP GROUPS FOR HEATING SYSTEMS



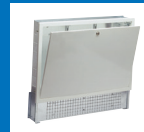
B1 ELECTROTHERMIC
ACTUATORS
page 48



B6 SINGLE AND COPLANAR
JOINABLE MANIFOLDS
FOR HEATING AND
SANITARY SYSTEMS
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B2 THERMOSTATIC HEADS FOR
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FOR INSTALLATION WITH
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page 49



B7 SINGLE AND COPLANAR
JOINABLE MANIFOLDS
FOR HEATING AND
SANITARY SYSTEMS
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B3 ZONE VALVES
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B8 ACCESSORIES FOR
MANIFOLDS
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B4 CIRCULATION GROUPS
FOR LOW AND HIGH
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B9 FITTINGS FOR COPPER,
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B5 FIXED POINT REGULATION
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page 66



B10 TOOLS TO ASSEMBLE
VALVES, MANIFOLDS
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page 108



Wiring:
Brown-Blue wires = Power supply
Black-Gray wires = Micro Switch



ART.982 | 979 Normally closed

ART.	MODEL	CONNECTION THREAD	VOLTAGE	CODE		
982	closed	28X1,5	24 Volt	82982NC54	1	50
982	closed	28x1,5	230 Volt	82982NC53	1	50
979	closed	30X1,5	24 Volt	82979NC54	1	50
979	closed	30x1,5	230 Volt	82979NC53	1	50
979	closed	FAR	230 Volt	FA979NC53	1	50

Electrothermic actuator with micro switch for potential-free contact. Normally closed. At the end of the stroke the micro switch interrupts the outgoing signal. The product complies with the CE norm.

- Power supply 24 Volt or 230 Volt;
- Opening time 3 min.;
- Working temperature 5-50°C



Wiring:
Brown-Blue wires = Power supply



ART.983 | 980 Normally closed

ART.	MODEL	CONNECTION THREAD	VOLTAGE	CODE		
983	closed	28X1,5	24 Volt	82983NC54	1	50
983	closed	28X1,5	230 Volt	82983NC53	1	50
980	closed	30X1,5	24 Volt	82980NC54	1	50
980	closed	30X1,5	230 Volt	82980NC53	1	50
980	closed	FAR	230 Volt	FA980NC53	1	50

Electrothermic on-off actuator normally closed. The product complies with the CE norm.

- Power supply 24 Volt or 230 Volt;
- Opening time 3 min.;
- Working temperature 5-50°C



Wiring:
Brown-Blue wires = Power supply



ART.983 | 980 Normally open

ART.	MODEL	CONNECTION THREAD	VOLTAGE	CODE		
983	open	28x1,5	24 Volt	82983NA54	1	50
983	open	28X1,5	230 Volt	82983NA53	1	50
980	open	30X1,5	24 Volt	82980NA54	1	50
980	open	30X1,5	230 Volt	82980NA53	1	50

Electrothermic on-off actuator normally open. The product complies with the CE norm.

- Power supply 24 Volt or 230 Volt;
- Opening time 3 min.;
- Working temperature 5-50°C



Wiring:
Brown-Blue wires = Power supply
Black-Gray wires = Micro Switch



ART.977 Normally closed

ART.	MODEL	CONNECTION THREAD	VOLTAGE	CODE	
977	closed	30x1,5	230 volt	82977NC53	1

Electrothermic actuator with micro switch for potential-free contact. Normally closed. At the end of the stroke the micro switch interrupts the outgoing signal. The product complies with the CE norm.

- Power supply 230 Volt;
- Opening time 3 min.;
- Working temperature 5-50°C

HOW TO CHOOSE THE ELECTROTHERMIC ACTUATOR

1 Choose between normally closed or normally open actuator. Normally closed means that, in case of lack of tension, the actuator closes the valve.

2 Choose the connection thread to the body of the valve. For ICMA products, you find the specification of the connection thread in the description of each valve. For other suppliers' products, please, get in touch with our commercial offices to verify the compatibility

3 Choose the power supply.

4 Choose the opening/closing signal of the electrothermic actuator. It can be used to start/stop a circulator. Use art. 982 or art. 979.

ZONE VALVES AND THERMOSTATIC HEADS FOR TEMPERATURE REGULATION OF THE THERMAL SYSTEM



Our zone valves are designed to ensure your comfort.



ART. 994 - ART.995

ART.	CONNECTION THREAD	CODE		
994	28X1,5	82994AC20	1	10
995	30X1,5	82995AC20	1	25

Thermostatic head with remote sensor. **Working temperature range 20°-50°C.** The sensor can be inserted in our cockpit art. 189. (Cockpit length 63 mm). Suitable to feel the water temperature in underfloor heating systems and to regulate at fixed value. Temperature locking and limiting device on a desired value.



ART. 189

ART.	SIZE	CODE		
189	1/2"	87189AD06	1	50

Cockpit for thermostatic heads with remote sensor art. 994 and 995. Cockpit length 63 mm.



ART. 991 - ART. 992

ART.	CONNECTION THREAD	CODE		
991	28X1,5	82991AC20	1	10
992	30X1,5	82992AC20	1	20

Thermostatic head with remote sensor, **fluid setting range 20°-70°C.** The sensor can be inserted in our cockpit art. 212. (Cockpit length 132 mm). Suitable to feel the water temperature in underfloor heating systems and to regulate at fixed value. Temperature locking and limiting device on a desired value.



ART. 997

ART.	SIZE	CODE		
997	30X1,5	82997AC20	1	20

Thermostatic head with remote sensor, **working temperature range 60°-90°C.** The sensor can be inserted in our cockpit art. 212 (Cockpit length 132 mm). Suitable to feel the water temperature in heating systems. Temperature locking and limiting device on a desired value. Both operations can be done without tools.



ART. 212

ART.	SIZE	CODE	
212	1/2"	87212AD05	10

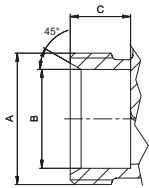
Cockpit for thermostatic heads with remote sensor art. 991, 992 and 997. Cockpit length 132 mm.



ART. 370

ART.	SIZE	Kv (m³/h)	CONNECTION THREAD	CODE		
370	1/2"	1,39	30X1,5	82370AD05	1	20
370	3/4"	2,23	30X1,5	82370AE05	1	20
370	1"	4,00	30X1,5	82370AF05	1	20

Two-way fan coil valve. Conical seat, max. working temperature 110°C.



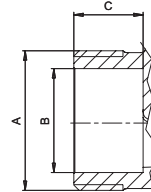
	A	B	C
G1/2"	G1/2"	14,5	11,5
G3/4"	G3/4"	20,5	13
G1"	G1"	26	13,5



ART. 377

ART.	SIZE	VOLTAGE	Kv (m³/h)	CODE		
377	1/2"	230 Volt	1,39	82377ADNC53	1	20
377	3/4"	230 Volt	2,23	82377AENC53	1	20
377	1"	230 Volt	4,00	82377AFNC53	1	20

Two-way fan coil valve. Flat seat, max. working temperature 110°C. Equipped with ON-OFF normally closed actuator art. 980. Suitable for electrothermic actuators with M30x1,5 connection thread.



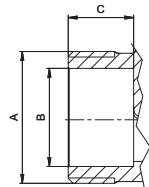
	A	B	C
G1/2"	G1/2"	13,8	11,5
G3/4"	G3/4"	19,5	13
G1"	G1"	24	13,5



ART. 371

ART.	SIZE	Kv (m³/h)	CONNECTION THREAD	CODE		
371	1/2"	1,39	30X1,5	82371AD05	1	20
371	3/4"	2,23	30X1,5	82371AE05	1	20
371	1"	4,00	30X1,5	82371AF05	1	20

Two-way fan coil valve. Flat seat, max. working temperature 110°C.



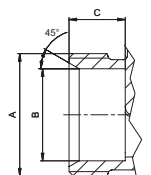
	A	B	C
G1/2"	G1/2"	13,8	11,5
G3/4"	G3/4"	19,5	13
G1"	G1"	24	13,5



ART. 378

ART.	SIZE	VOLTAGE	Kv (m³/h)	CODE		
378	1/2"	230 Volt	1,39	82378ADNC53	1	20
378	3/4"	230 Volt	2,23	82378AENC53	1	20
378	1"	230 Volt	4,00	82378AFNC53	1	20

Two-way fan coil valve. Conical seat, max. working temperature 110°C. Equipped with ON-OFF normally closed actuator with micro switch art. 979. Suitable for electrothermic actuators with M30x1,5 connection thread.



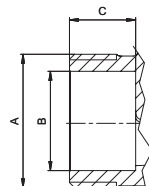
	A	B	C
G1/2"	G1/2"	14,5	11,5
G3/4"	G3/4"	20,5	13
G1"	G1"	26	13,5



ART. 376

ART.	SIZE	VOLTAGE	Kv (m³/h)	CODE		
376	1/2"	230 Volt	1,39	82376ADNC53	1	20
376	3/4"	230 Volt	2,23	82376AENC53	1	20
376	1"	230 Volt	4,00	82376AFNC53	1	20

Two-way fan coil valve. Conical seat, max. working temperature 110°C. Equipped with ON-OFF normally closed actuator art. 980. Suitable for electrothermic actuators with M30x1,5 connection thread.



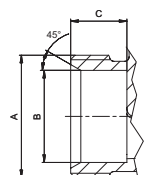
	A	B	C
G1/2"	G1/2"	14,5	11,5
G3/4"	G3/4"	20,5	13
G1"	G1"	26	13,5



ART. 379

ART.	SIZE	VOLTAGE	Kv (m³/h)	CODE		
379	1/2"	230 Volt	1,39	82379ADNC53	1	20
379	3/4"	230 Volt	2,23	82379AENC53	1	20
379	1"	230 Volt	4,00	82379AFNC53	1	20

Two-way fan coil valve. Flat seat, max. working temperature 110°C. Equipped with ON-OFF normally closed actuator with micro switch art. 979. Suitable for electrothermic actuators with M30x1,5 connection thread.



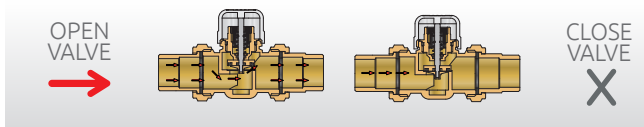
	A	B	C
G1/2"	G1/2"	13,8	11,5
G3/4"	G3/4"	19,5	13
G1"	G1"	24	13,5



ART. 300

ART.	SIZE	CONNECTION THREAD	CODE		
300	1/2"	30X1,5	82300AD05	1	20
300	3/4"	30X1,5	82300AE05	1	20
300	1"	30X1,5	82300AF05	1	20

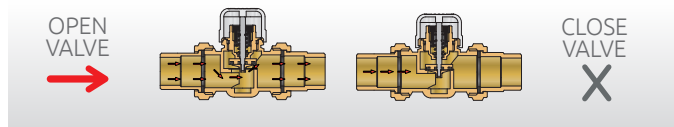
Valvola di zona a due vie a pistone, predisposta per accogliere i nostri comandi elettrotermici con CONNECTION THREAD 30x1,5 art.978, 979, 980, oppure le nostre teste termostatiche con sensore a distanza 992, 995 e 997. La valvola **consente di limitare la portata**. Pressione max.d'esercizio 10 bar. Pressione differenziale max. 1 bar. Temperatura d'esercizio max.95°C.



ART. 320

ART.	SIZE	VOLTAGE	CONNECTION THREAD	CODE		
320	1/2"	230 Volt	30X1,5	82320ADNC53	1	10
320	3/4"	230 Volt	30X1,5	82320AENC53	1	10
320	1"	230 Volt	30X1,5	82320AFNC53	1	10

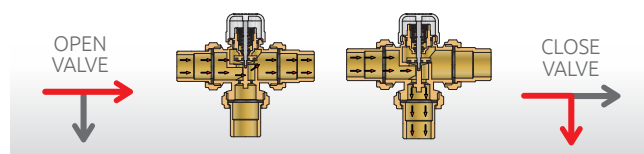
Two-way zone valve. **Normally closed electrothermic actuator with end microswitch for potential-free contact.** Max. working pressure 10 bar. Max. differential pressure 1 bar. Max. working temperature 95°C.



ART. 301

ART.	SIZE	CONNECTION THREAD	CODE		
301	1/2"	30X1,5	82301AD05	1	20
301	3/4"	30X1,5	82301AE05	1	20
301	1"	30X1,5	82301AF05	1	20

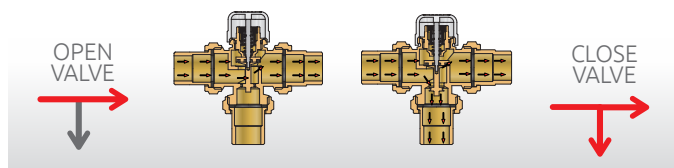
Three-way zone, diverting piston valve. For electrothermic actuators with 30x1,5 connection thread art. 979, 980 and thermostatic heads with remote sensor 992, 995 and 997. **The valve enables limiting the flow rate on the straight way.** Max. working pressure 10 bars. Max. differential pressure 1 bar. Max. working temperature 95°C.



ART. 321

ART.	SIZE	VOLTAGE	CONNECTION THREAD	CODE		
321	1/2"	230 Volt	30X1,5	82321ADNC53	1	10
321	3/4"	230 Volt	30X1,5	82321AENC53	1	10
321	1"	230 Volt	30X1,5	82321AFNC53	1	10

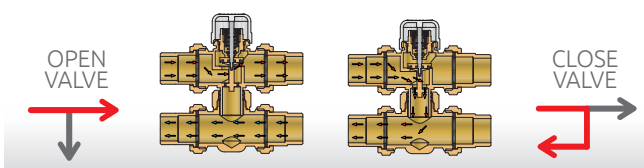
Three-way piston zone valve, **normally closed electrothermic actuator with end microswitch For potential-free contact.** Max.working pressure 10 bar. Max. differential pressure 1 bar. Max. working temperature 95°C.



ART. 302

ART.	SIZE	CONNECTION THREAD	CODE		
302	1/2"	30X1,5	82302AD05	1	20
302	3/4"	30X1,5	82302AE05	1	20
302	1"	30X1,5	82302AF05	1	20

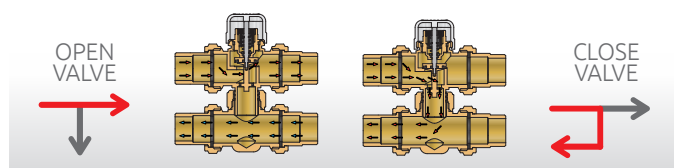
Four-way, zone piston valve. For electrothermic actuators with 30x1,5 connection thread art. 979, 980 and thermostatic heads with remote sensor 992, 995 and 997. The valve enables limiting the flow rate on the straight way. Max. working pressure 10 bars. Max. differential pressure 1 bar. Max. working temperature 95°C. Adjustable interaxe from 48 and 65 mm. Suitable for coplanar manifolds.



ART. 322

ART.	SIZE	VOLTAGE	CONNECTION THREAD	CODE		
322	1/2"	230 Volt	30X1,5	82322ADNC53	1	10
322	3/4"	230 Volt	30X1,5	82322AENC53	1	10
322	1"	230 Volt	30X1,5	82322AFNC53	1	10

Four-way piston zone valve, **normally closed electrothermic actuator with end microswitch for potential-free contact.** Max.working pressure 10 bar. Max. differential pressure 1 bar. Max. working temperature 95°C. Adjustable interaxe from 48 mm to 65 mm. Suitable for coplanar manifolds.

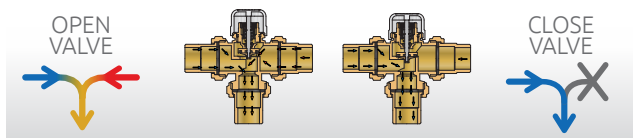




ART. 323

ART.	SIZE	CODE		
323	1/2"	82323AD05	1	10
323	3/4"	82323AE05	1	10
323	1"	82323AF05	1	10

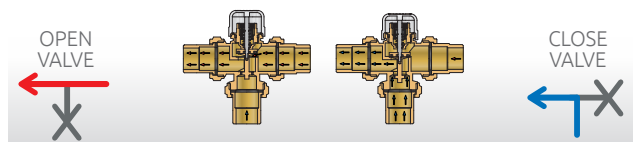
Three-way, mixing valve with thermostatic capillary remote sensor. It allows mixing two fluids, resulting in a fluid with intermediate temperature. **Setting range 20-50°C.** Max. working temperature 95°C, max. working pressure 10 bars, max. differential pressure 1 bar. **The probe also works when connected; for immersion use cockpit with sensor art. 212**



ART. 324

ART.	SIZE	CODE		
324	1/2"	82324AD05	1	10
324	3/4"	82324AE05	1	10
324	1"	82324AF05	1	10

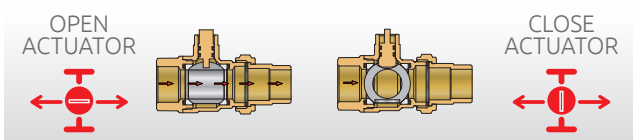
Three-way, mixing valve with thermostatic capillary remote sensor. It allows mixing two fluids, resulting in a fluid with intermediate temperature. **Setting range 60-90°C.** Max. working temperature 110°C, max. working pressure 10 bars, max. differential pressure 1 bar. **The probe also works when connected; for immersion use cockpit with sensor art. 212**



ART. 331

ART.	SIZE	CODE		
331	1/2	82331AD05	1	20
331	3/4	82331AE05	1	20
331	1"	82331AF05	1	10
331	1"1/4	82331AG05	1	5

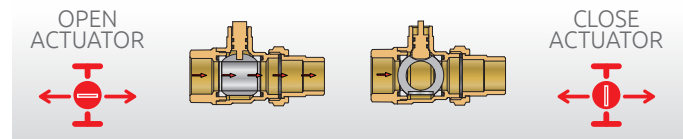
Male/female two-way full bore zone ball valve. It can be motor driven. Max. working pressure 16 bars. Max. differential pressure 10 bars. Max. working temperature 110°C.



ART. 332

ART.	SIZE	CODE		
332	1/2"	82332AD05	1	10
332	3/4"	82332AE05	1	10
332	1"	82332AF05	1	10
332	1"1/4	82332AG05	1	5

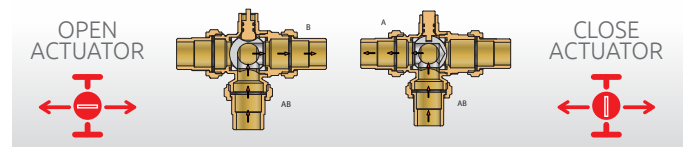
Two-way full bore zone ball valve. It can be motor driven. Male thread unions. Max. working pressure 16 bars. Max. differential pressure 10 bars. Max. working temperature 110°C.



ART. 333

ART.	SIZE	CODE		
333	1/2	82333AD05	1	20
333	3/4	82333AE05	1	20
333	1"	82333AF05	1	10
333	1"1/4	82333AG05	1	5

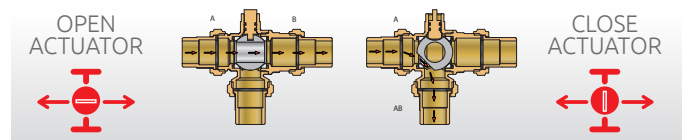
Three-way full bore diverting zone ball valve. It can be motor driven. Union connections. Max. working pressure 16 bars. Max. differential pressure 10 bars. Max. working temperature 110°C.



ART. 334

ART.	SIZE	CODE		
334	1/2	82334AD05	1	10
334	3/4	82334AE05	1	10
334	1"	82334AF05	1	10
334	1"1/4	82334AG05	1	5

Three-way by-pass zone ball valve. It can be motor driven. Union connections. Max. working pressure 16 bars. Max. differential pressure 10 bars. Max. working temperature 110°C.

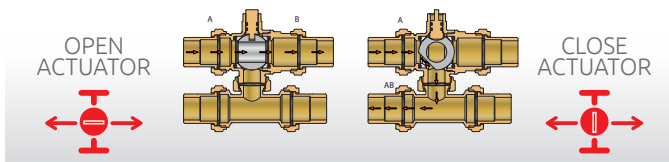




ART. 336

ART.	SIZE	CODE		
336	3/4	82336AE05	1	10
336	1"	82336AF05	1	10

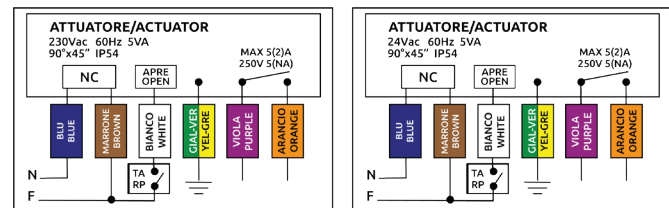
Four-way full bore zone ball valve. It can be motor driven. Union connections. Fixed interaxe 50 mm. Variable By-pass. Max. working pressure 16 bars. Max. differential pressure 10 bars. Max. working temperature 110°C.



ART. 337

ART.	VOLTAGE	CODE		
337	230 Volt	82337BI53	1	20
337	24 Volt AC	82337BI54	1	20

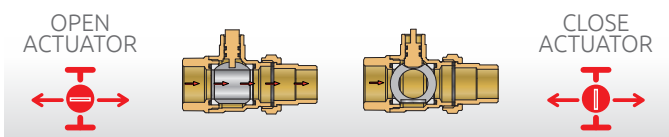
Servomotor for zone ball valves, normally closed, with relay and auxiliary microswitch. Max. ambient temperature 55°C, protection degree IP44, CE Mark Approved. Opening time 45 seconds.



ART. 341

ART.	SIZE	VOLTAGE	CODE		
341	1/2	230 Volt	82341AD0553	1	10
341	3/4	230 Volt	82341AE0553	1	10
341	1"	230 Volt	82341AF0553	1	10
341	1"1/4	230 Volt	82341AG0553	1	5

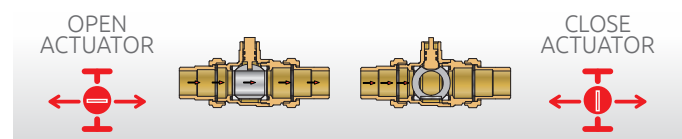
Male/female two-way full bore zone ball valve, with servomotor with relay and auxiliary microswitch for potential-free contact. Max. working pressure 16 bars. Max. differential pressure 10 bars. Max. working temperature 110°C.



ART. 342

ART.	SIZE	VOLTAGE	CODE		
342	1/2"	230 Volt	82342AD0553	1	10
342	3/4	230 Volt	82342AE0553	1	10
342	1"	230 Volt	82342AF0553	1	10
342	1"1/4	230 Volt	82342AG0553	1	5

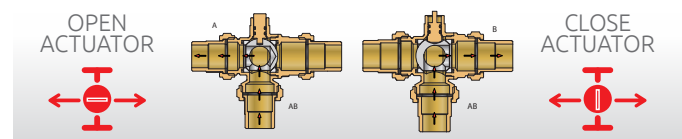
Two-way full bore zone ball valve with servomotor with relay and auxiliary micro-switch for potential-free contact. Union connections. Max. working pressure 16 bars. Max. differential pressure 10 bars. Max. working temperature 110°C.



ART. 343

ART.	SIZE	VOLTAGE	CODE		
343	1/2"	230 Volt	82343AD0553	1	10
343	3/4	230 Volt	82343AE0553	1	10
343	1"	230 Volt	82343AF0553	1	10
343	1"1/4	230 Volt	82343AG0553	1	5

Three way full bore diverting zone ball valve, with servomotor with relay and auxiliary microswitch for potential-free contact. Union connections. Max. working pressure 16 bars. Max. differential pressure 10 bars. Max. working temperature 110°C.



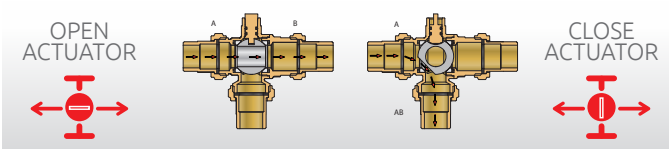
▶ 24 VOLT SERVO-MOTORS ARE SOLD SEPARATELY FROM VALVES



ART. 344

ART.	SIZE	VOLTAGE	CODE		
344	1/2"	230 Volt	82344AD0553	1	10
344	3/4	230 Volt	82344AE0553	1	10
344	1"	230 Volt	82344AF0553	1	10
344	1"1/4	230 Volt	82344AG0553	1	5

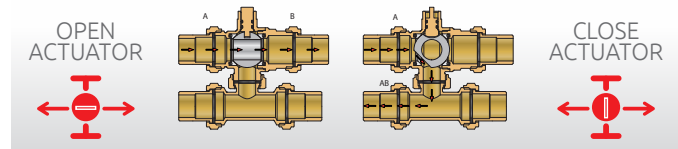
Three-way by-pass zone ball valve, with servomotor with relay and auxiliary microswitch for potential-free contact. Union connections. Max. working pressure 16 bars. Max. differential pressure 10 bars. Max. working temperature 110°C.



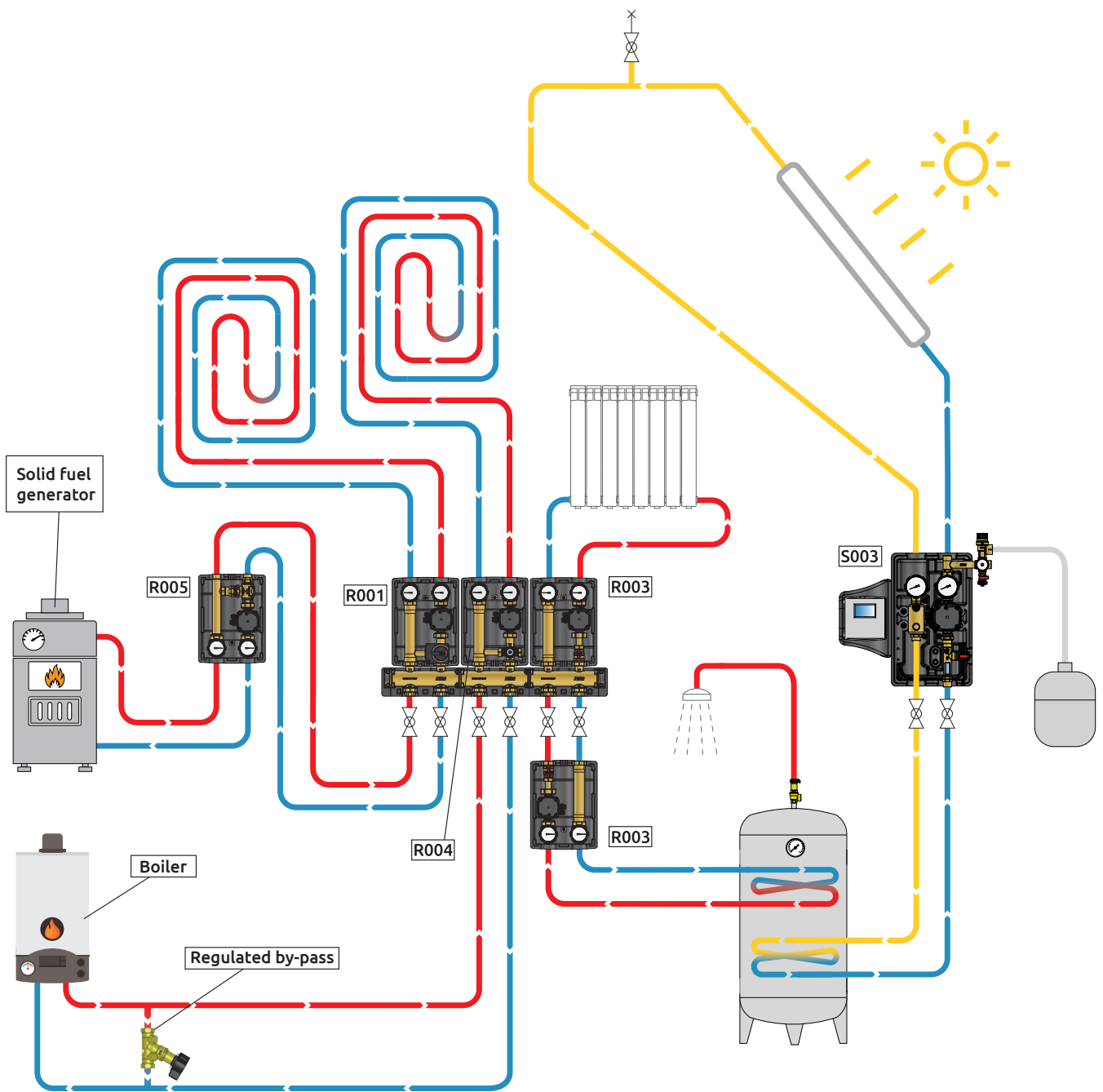
ART. 346

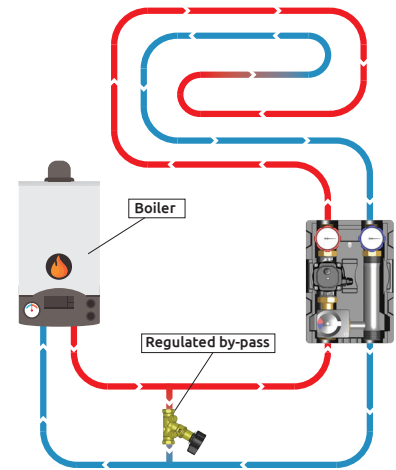
ART.	SIZE	VOLTAGE	CODE		
346	3/4	230 Volt	82346AE0553	1	10
346	1"	230 Volt	82346AF0553	1	5

Four-way full bore zone ball valve, with servomotor with relay and auxiliary microswitch for potential-free contact. Union connections. Fixed interaxe 50 mm. Max. working pressure 16 bars. Max. differential pressure 10 bars. Max. working temperature 110°C.



CIRCULATION MODULES AND MODULAR MANIFOLD FOR DISTRIBUTION GROUPS








Art. R001

Mixing group with variable point regulating unit. It is provided with a three way mixing valve regulated by a 3-point modulating and bidirectional rotating electric servomotor, connectable to regulating control units; the valve has a By-Pass which brings a portion of the return side flow into the delivery side to obtain the desired temperature of the fluid. The pump has 1"1/2 connections and it can be asynchronous (not for sale in the EU) or electronic. The mixing group is also equipped with 2 interception ball valves with built-in thermometer to instantly read the delivery and return flow temperatures (the return ball valve has a built-in check valve). It can be ordered **without pump or with delivery pump to the right hand** (in case of any changes on site please follow the technical sheet instructions included in the package); the group is supplied with a black PPE insulated shell.

The mixing unit is supplied with the servomotor art. 787 (230 or 24 Voltage).

- The product with UPS 25/65 pump is sold in non-EU countries.
- * PWM signal cable not included. To be purchased separately (see page 229) when connecting to a PWM signal controller.

ART.	SIZE	VOLTAGE ATTUATORE	DELIVERY SIDE	BOILER CONNECT.	SYSTEM CONNECT.	CODE	PUMP	CIRCULATOR CONTROL SIGNAL			
								ON/OFF	PWM		
	R001	DN20	230 Volt	DX	1"1/2 M	3/4 F	93R001AED53	NO PUMP	✓	X	1
	R001 •	DN20	230 Volt	DX	1"1/2 M	3/4 F	93R001AEDP32153	Grundfos UPS 25/65	✓	X	1
	R001	DN20	230 Volt	DX	1"1/2 M	3/4 F	93R001AEDP32753	Wilo Para 25/8	✓	X	1
	R001	DN20	230 Volt	DX	1"1/2 M	3/4 F	93R001AEDP32853	UPM3 Hybrid 25/70 *	✓	✓	1
	R001	DN20	230 Volt	DX	1"1/2 M	3/4 F	93R001AEDP32953	Taco ES2 25/60	✓	X	1
	R001	DN20	230 Volt	DX	1"1/2 M	3/4 F	93R001AEDP33053	Wilo Para 25/7	✓	X	1
	R001	DN20	230 Volt	DX	1"1/2 M	1" M	94R001AED53	NO PUMP	✓	X	1
	R001 •	DN20	230 Volt	DX	1"1/2 M	1" M	94R001AEDP32153	Grundfos UPS 25/65	✓	X	1
	R001	DN20	230 Volt	DX	1"1/2 M	1" M	94R001AEDP32753	Wilo Para 25/8	✓	X	1
	R001	DN20	230 Volt	DX	1"1/2 M	1" M	94R001AEDP32853	UPM3 Hybrid 25/70 *	✓	✓	1
	R001	DN20	230 Volt	DX	1"1/2 M	1" M	94R001AEDP32953	Taco ES2 25/60	✓	X	1
	R001	DN20	230 Volt	DX	1"1/2 M	1" M	94R001AEDP33053	Wilo Para 25/7	✓	X	1

24 Volt actuators are available upon request. The code is modified for the last digit of code from 3 to 4. For example: the code 93R001AEDP32153 will be 93R001AEDP32154.



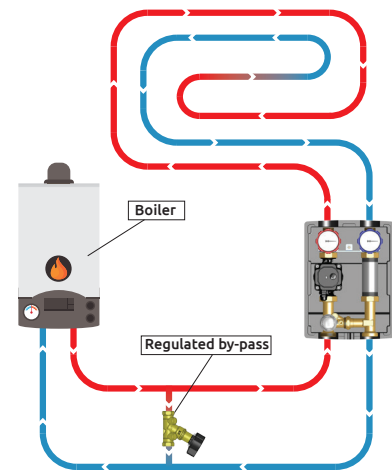
>250 mm.



Code 93



Code 94

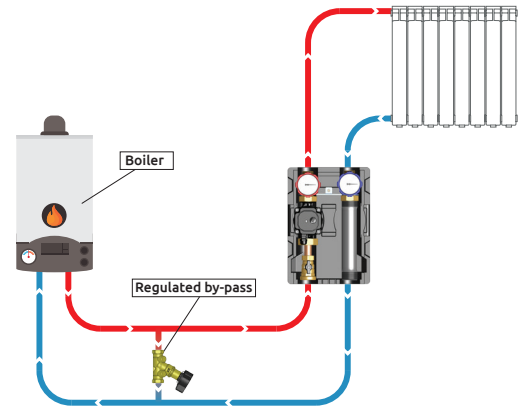


Art. R002

Mixing group with fixed point regulating unit. It is provided with a three way mixing valve regulated by a thermostatic head with remote sensor art. 995 to be placed in contact with or by immersion in the system delivery pipe to obtain the desired temperature of the fluid (working temperature range 20°C - 50°C). The valve has a by-pass which brings a portion of the return side flow into the delivery side to obtain the desired temperature of the fluid. The pump has 1"1/2 connections and it can be asynchronous (not for sale in the EU) or electronic. The mixing group is also equipped with 2 interception ball valves with built-in thermometer to instantly read the delivery and return flow temperatures (the return ball valve has a built-in check valve). It can be ordered **without pump or with delivery pump to the right hand** (in case of any changes on site please follow the technical sheet instructions included in the package); the group is supplied with a black PPE insulated shell. The mixing unit is supplied with the thermostatic head art. 995 with 30x1,5 connections.

- The product with UPS 25/65 pump is sold in non-EU countries.
- * PWM signal cable not included. To be purchased separately (see page 229) when connecting to a PWM signal controller.

ART.	SIZE	DELIVERY SIDE	BOILER CONNECT.	SYSTEM CONNECT.	CODE	PUMP	CIRCULATOR CONTROL SIGNAL		BOX	
							ON/OFF	PWM		
	R002	DN20	DX	1"1/2 M	3/4 F	93R002AED05	NO PUMP	✓	✗	1
	R002 •	DN20	DX	1"1/2 M	3/4 F	93R002AEDP321	Grundfos UPS 25/65	✓	✗	1
	R002	DN20	DX	1"1/2 M	3/4 F	93R002AEDP327	Wilo Para 25/8	✓	✗	1
	R002	DN20	DX	1"1/2 M	3/4 F	93R002AEDP328	UPM3 Hybrid 25/70 *	✓	✓	1
	R002	DN20	DX	1"1/2 M	3/4 F	93R002AEDP329	Taco ES2 25/60	✓	✗	1
	R002	DN20	DX	1"1/2 M	3/4 F	93R002AEDP330	Wilo Para 25/7	✓	✗	1
	R002	DN20	DX	1"1/2 M	1" M	94R002AED05	NO PUMP	✓	✗	1
	R002 •	DN20	DX	1"1/2 M	1" M	94R002AEDP321	Grundfos UPS 25/65	✓	✗	1
	R002	DN20	DX	1"1/2 M	1" M	94R002AEDP327	Wilo Para 25/8	✓	✗	1
	R002	DN20	DX	1"1/2 M	1" M	94R002AEDP328	UPM3 Hybrid 25/70 *	✓	✓	1
	R002	DN20	DX	1"1/2 M	1" M	94R002AEDP329	Taco ES2 25/60	✓	✗	1
	R002	DN20	DX	1"1/2 M	1" M	94R002AEDP330	Wilo Para 25/7	✓	✗	1

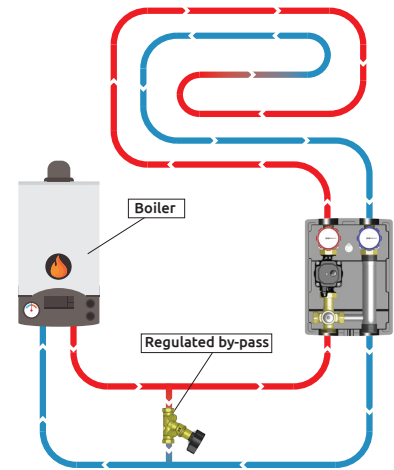


Art. R003

Mixing group for high/low direct temperature unit, suitable for radiators systems, fan coils, design radiators. The pump has 1 1/2 connections and it can be asynchronous (not for sale in the EU) or electronic. The mixing group is also equipped with 2 interception ball valves with built-in thermometer to instantly read the delivery and return flow temperatures (the return ball valve has a built-in check valve). **It can be ordered without pump or with delivery pump to the right**; the pump can be easily moved to the left. The group is supplied with a black PPE insulated shell.

- The product with UPS 25/65 pump is sold in non-EU countries.
- * PWM signal cable not included. To be purchased separately (see page 229) when connecting to a PWM controller.

ART.	SIZE	DELIVERY SIDE	BOILER CONNECT.	SYSTEM CONNECT.	CODE	PUMP	CIRCULATOR CONTROL SIGNAL		CUBE	
							ON/OFF	PWM		
	R003	DN20	DX	1"1/2 M	3/4 F	93R003AED05	NO PUMP	✓	✗	1
	R003 •	DN20	DX	1"1/2 M	3/4 F	93R003AEDP321	Grundfos UPS 25/65	✓	✗	1
	R003	DN20	DX	1"1/2 M	3/4 F	93R003AEDP327	Wilo Para 25/8	✓	✗	1
	R003	DN20	DX	1"1/2 M	3/4 F	93R003AEDP328	UPM3 Hybrid 25/70 *	✓	✓	1
	R003	DN20	DX	1"1/2 M	3/4 F	93R003AEDP329	Taco ES2 25/60	✓	✗	1
	R003	DN20	DX	1"1/2 M	3/4 F	93R003AEDP330	Wilo Para 25/7	✓	✗	1
	R003	DN20	DX	1"1/2 M	1" M	94R003AED05	NO PUMP	✓	✗	1
	R003 •	DN20	DX	1"1/2 M	1" M	94R003AEDP321	Grundfos UPS 25/65	✓	✗	1
	R003	DN20	DX	1"1/2 M	1" M	94R003AEDP327	Wilo Yonos Para RS 25/7,5	✓	✗	1
	R003	DN20	DX	1"1/2 M	1" M	94R003AEDP328	UPM3 Hybrid 25/70 *	✓	✓	1
	R003	DN20	DX	1"1/2 M	1" M	94R003AEDP329	Taco ES2 25/60	✓	✗	1
	R003	DN20	DX	1"1/2 M	1" M	94R003AEDP330	Wilo Para 25/7	✓	✗	1



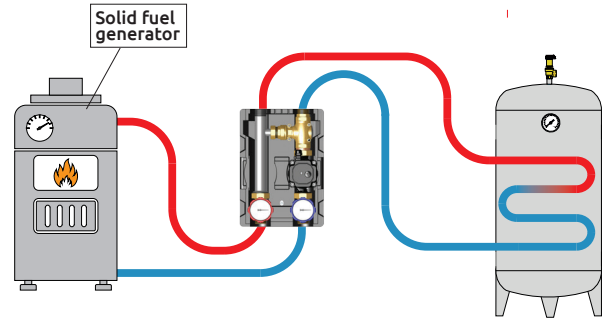
Art. R004

Mixing group with fixed point regulating unit, equipped with thermostatic mixing valve. By setting the working temperature on the mixing valve, you get an effective control of the plant delivery temperature when it is different from the heat generator one. **Two thermostatic valves are available with different working temperature (20-50°C / 30-70°C)**. The pump has 1"1/2 connections and it can be asynchronous (not for sale in the EU) or electronic. The mixing group is also equipped with 2 interception ball valves with built-in thermometer to instantly read the delivery and return flow temperatures (the return ball valve has a built-in check valve). It can be ordered **without pump or with delivery pump to the right hand** (in case of any changes on site please follow the technical sheet instructions included in the package); the group is supplied with a black PPE insulated shell.

► **When placing the order please specify the requested temperature (between 20-50 °C or 30-70 °C), by filling in the dotted line (between the pump position and the pump code) with the number corresponding to the temperature. For example, if you order R004 R with circulator P328 and temperature 20°-50 °C, the code will be: 94R004AED55P328 (in case of temperature 30-70 °C please fill in the dotted line with 70).**

- The product with UPS 25/65 pump is sold in non-EU countries.
- * PWM signal cable not included. To be purchased separately (see page 229) when connecting to a PWM signal controller.

ART.	SIZE	DELIVERY SIDE	BOILER CONNECT.	SYSTEM CONNECT.	CODE	PUMP	CIRCULATOR CONTROL SIGNAL		BOX	
							ON/OFF	PWM		
	R004	DN20	DX	1" 1/2 M	3/4" F	93R004AED..05	NO PUMP	✓	X	1
	R004 •	DN20	DX	1" 1/2 M	1" M	93R004AFD55P321	Grundfos UPS 25/65	✓	X	1
	R004 •	DN20	DX	1" 1/2 M	3/4" F	93R004AED..P321	Grundfos UPS 25/65	✓	X	1
	R004	DN20	DX	1" 1/2 M	3/4" F	93R004AED..P327	Wilo Para 25/8	✓	X	1
	R004	DN20	DX	1" 1/2 M	3/4" F	93R004AED..P328	UPM3 Hybrid 25/70 *	✓	✓	1
	R004	DN20	DX	1" 1/2 M	3/4" F	93R004AED55P329	Taco ES2 25/60	✓	X	1
	R004	DN20	DX	1" 1/2 M	3/4" F	93R004AED..P330	Wilo Para 25/7	✓	X	1
	R004	DN20	DX	1" 1/2 M	1" M	94R004AED..05	NO PUMP	✓	X	1
	R004 •	DN20	DX	1" 1/2 M	1" M	94R004AED..P321	Grundfos UPS 25/65	✓	X	1
	R004	DN20	DX	1" 1/2 M	1" M	94R004AED..P327	Wilo Para 25/8	✓	X	1
	R004	DN20	DX	1" 1/2 M	1" M	94R004AED..P328	UPM3 Hybrid 25/70 *	✓	✓	1
	R004	DN20	DX	1" 1/2 M	1" M	94R004AED55P329	Taco ES2 25/60	✓	X	1
	R004	DN20	DX	1" 1/2 M	1" M	94R004AED..P330	Wilo Para 25/7	✓	X	1



Art. R005

Anti-condensation mixing group, 1" male connections. It is equipped with 2 interception ball valves with built-in thermometer to instantly read the delivery and return flow temperatures. It can be ordered without pump, with asynchronous pump (not for sale in the EU), with electronic pump to the right or to the left-hand. **The group includes an anti-condensation valve, 1", available settings: 45 °, 55 °, 60 °, 70 °.**

► **When placing the order please specify the requested temperature setting, by filling in the dotted line with the number corresponding to the temperature setting. For example, if you order R005 R with circulator P328 and 55 ° anti-condensation, the code will be: 94R005AED55P328.**

- The product with UPS 25/65 pump is sold in non-EU countries.
- * PWM signal cable not included. To be purchased separately (see page 229) when connecting to a PWM signal controller.

ART.	SIZE	DELIVERY SIDE	BOILER CONNECT.	SYSTEM CONNECT.	CODE	PUMP	CIRCULATOR CONTROL SIGNAL		Icon	
							ON/OFF	PWM		
	R005	DN20	DX	1" M	1" M	93R005AED..05	NO PUMP	✓	✗	1
	R005 •	DN20	DX	1" M	1" M	93R005AED..P321	Grundfos UPS 25/65	✓	✗	1
	R005	DN20	DX	1" M	1" M	93R005AED..P327	Wilco Para 25/8	✓	✗	1
	R005	DN20	DX	1" M	1" M	93R005AED..P328	UPM3 Hybrid 25/70 *	✓	✓	1
	R005	DN20	DX	1" M	1" M	93R005AED..P329	Taco ES2 25/60	✓	✗	1
	R005	DN20	DX	1" M	1" M	93R005AED..P330	Wilco Para 25/7	✓	✗	1
	R005	DN20	DX	1" M	1" M	94R005AED..05	NO PUMP	✓	✗	1
	R005 •	DN20	DX	1" M	1" M	94R005AED..P321	Grundfos UPS 25/65	✓	✗	1
	R005	DN20	DX	1" M	1" M	94R005AED..P327	Wilco Para 25/8	✓	✗	1
	R005	DN20	DX	1" M	1" M	94R005AED..P328	UPM3 Hybrid 25/70 *	✓	✓	1
	R005	DN20	DX	1" M	1" M	94R005AED..P329	Taco ES2 25/60	✓	✗	1
	R005	DN20	DX	1" M	1" M	94R005AED..P330	Wilco Para 25/7	✓	✗	1



ART. 781

ART.	SIZE	BOILER CONNECT.	SYSTEM CONNECT.	RETURN CONNECT.	CODE	
781	1"	1"1/2 M	1"1/2 F	1" F	93781AE05	1

Tee fitting for connecting the mixing unit components to manage the flow return to the system.



ART. 782

ART.	SIZE	DELIVERY SIDE	BOILER CONNECT.	SYSTEM CONNECT.	RETURN CONNECT.	CODE	
782	DN20	DX	1"1/2 M	1"1/2 F	1" M	93782AED05	1
782	DN20	SX	1"1/2 M	1"1/2 F	1" M	93782AES05	1

Mixing group with variable point regulation unit. It is provided with a three way mixing valve regulated by a rotating electric servomotor, connectable to every type of regulating control units. The valve has a By-Pass which brings a portion of the return side flow into the delivery side to recover heat and to balance the temperature.

PLEASE NOTE: the servomotor art. 787 is not included.



ART. 783

ART.	SIZE	DELIVERY SIDE	BOILER CONNECT.	SYSTEM CONNECT.	RETURN CONNECT.	CODE	
783	DN20	DX	1"1/2 M	1"1/2 F	1" M	93783AED05	1
783	DN20	SX	1"1/2 M	1"1/2 F	1" M	93783AES05	1

Mixing group with fixed point regulating unit. It is provided with a three way mixing valve regulated by a thermostatic head with remote sensor art. 995 according to which the desired mixed temperature in the delivery side is set (working temperature range 20°C - 50°C). The valve has a By-Pass which brings a portion of the return side flow into the delivery side to obtain the desired temperature of the fluid.

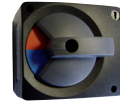
PLEASE NOTE: the thermostatic head art. 995 is not included.



ART. 786

ART.	SIZE	BOILER CONNECT.	SYSTEM CONNECT.	RETURN CONNECT.	CODE	
786	DN20	1"1/2 M	1"1/2 F	1" M	93786AE052050	1
786	DN20	1"1/2 M	1"1/2 F	1" M	93786AE053070	1

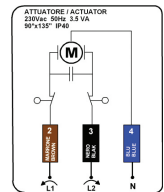
Thermostatic Mixing group. It is provided with a four way mixing valve regulated with 90° inlet for pump and manifold connection. **Working temperature range 20°C - 50°C: code 93786AE052050 / 30°C - 70°C: code 93786AE053070.**



ART. 787

ART.	VOLTAGE	CODE	
787	230 Volt	82787BI53	1
787	24 Volt AC	82787BI54	1

3-point rotating electric servomotor (modulating and bidirectional). It is installed on the mixing valve by means of a screw. Rotation angle 90°. The servomotor can also work manually by means of its switch. For the proper functioning and connection please refer to the instructions in the technical sheet.



ART. 785

ART.	BOILER CONNECT.	SYSTEM CONNECT.	CODE	
785	1" F - 1"1/2 M	1"1/2 F	87785AF05	1

Modular brass manifold with double chamber equipped with black EPP insulation shell, suitable for circulation modules art. R001-R002-R003. Manifolds art. 785 can be used as single units or connected in series up to a maximum of 6 to serve several users, simplifying the installation operations and reducing the size of installations. Included in the package there are nuts, bolts and two O-rings to close the single manifold or connect several manifolds in series.

PLEASE NOTE: the cap for manifold head art. 790 and the bracket art. 788 are not included.

How to order:

- N. 1 single manifold: n. 1 art. 785 + n. 2 art. 790
- N. 2 serial manifolds: n.2 art. 785 + n.2 art. 790 + n.2 art. 173
- N. 3 serial manifolds: n.3 art. 785 + n.2 art. 790 + n.4 art. 173
- N. 4 serial manifolds: n.4 art. 785 + n.2 art. 790 + n.6 art. 173
- N. 5 serial manifolds: n.5 art. 785 + n.2 art. 790 + n.8 art. 173
- N. 6 serial manifolds: n.6 art. 785 + n.2 art. 790 + n.10 art. 173

PLEASE NOTE: In case of reduction for the connection to the boiler please use art. 789.



ART. 788

ART.	CODE	
788	82788AE05	1

Wall mounting kit for circulation pump groups R001-R002-R003 consisting of 1 support bracket with screws and rawl plugs.



ART. 790

ART.	CODE		
790	87790AF05	2	40

Cap for manifold head art. 785.



ART. 797

ART.	SIZE	CODE		
797	1" F 1" 1/2 M	82797AF05	1	20

Flat seat Male-Female connector with gaskets on both sides. Reduction from 1" 1/2 M to 1" F.



ART. 173

ART.	SIZE	CODE		
173	1"	87173AF05	5	200

End cap with O-ring to close 1" exits of manifold art. 785.



ART. 798

ART.	SIZE	CODE		
798	1" 1/2 F 1" M	82798AF05	1	10

Flat seat Male-Female union with revolving nut and gasket. Reduction from 1" 1/2 F to 1" M.



ART. 789

ART.	SIZE	CODE		
789	1/2" F - 1" F	82789AD05	1	100
789	3/4" F - 1" 1/2 F	82789AE05	1	50
789	1" F - 1" 1/2 F	82789AF05	1	50

1" 1/2 flat seat union with nut and gasket. It reduces from 1" 1/2 to 3/4" F or from 1" 1/2 to 1" F the lower connection of art. R001, R002, R003 and 785.



ART. 995

ART.	CONNECTION THREAD	CODE		
995	30X1,5	82995AC20	1	25

Thermostatic head with remote sensor. Working temperature range 20°-50°C. The sensor can be inserted in our cockpit art.189 (cockpit length 63 mm). Suitable to feel the water temperature in underfloor heating systems and to regulate at fixed value. Temperature locking and limiting device on a desired value. Both operations can be done without tools.



ART. 796

ART.	SIZE	CODE		
796	1" 1/2 F 1" F	82796AF05	1	10

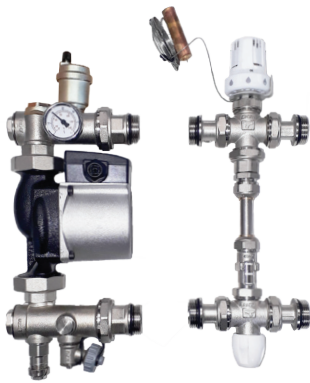
Flat seat Female-Female union with revolving nut and gasket. Reduction from 1 1/2" F (flat seat connection) to 1" F.



ART. 784

ART.	SIZE	CODE		
784	3/4"	87784AE05	1	25
784	1"	87784AF05	1	25

Housing kit for bulb art. 995



ART. M054

ART.	SIZE	CODE	PUMP	
M054	1"	87M054PG06RU	NO PUMP	1
M054●	1"	87M054PG0660RU	Grundfos UPS 25/65	1

Fixed point three-way mixing group with maximum pressure differential valve and flow meter. It can be equipped with asynchronous circulators (not sold in the EU) or electronic circulators with 1" ½ connections. The mixing unit includes thermostatic head 20°-50°C with remote sensor art.995. **Connection to delivery and return manifolds on the side. Suitable for installation in cabinets for manifolds with 110 mm. depth.**

- The product with UPS 25/65 pump is sold in non-EU countries.



ART. M058

ART.	SIZE	CODE	PUMP	
M058	1"	87M058PGP06	NO PUMP	1
M058●	1"	87M058PG0665	Grundfos UPS 25/65	1
M058	1"	87M058PGP328	UPM3 Hybrid 25/70*	1

Mixing group with fixed point regulating unit, circulating pump and thermostatic head 20°-50°C with remote sensor. Fixed point valve, adjustable flow rate optimising the flow to the panels. **Boiler delivery on left lower side, return on lower side. 1" delivery/return for radiant panel systems. Safety thermostat P310 not included.**

- The product with UPS 25/65 pump is sold in non-EU countries.
- * PWM signal cable not included. To be purchased separately (see page 229) when connected to a controller with **PWM signal**.



ART. M055

ART.	SIZE	CODE	PUMP	
M055	1"	87M055PG0600	NO PUMP	1
M055●	1"	87M055PG0660	Grundfos UPS 25/65	1
M055	1"	87M055PG06P327	Wilo Para 25/8	1
M055	1"	87M055PGP328	UPM3 Hybrid 25/70*	1
M055	1"	87M055PG06P329	Taco ES2 25/60	1
M055	1"	87M055PG06P330	Wilo Para 25/7	1

Fixed point three-way mixing group with maximum pressure differential valve and flow meter. It can be equipped with asynchronous circulators (not sold in the EU) or electronic circulators with 1" ½ connections. The mixing unit includes safety thermostat (art. P310), thermostatic head 20°-50°C with remote sensor art.995. **Connection to delivery and return manifolds on the side. Suitable for installation in cabinets for manifolds with 110 mm. depth.**

- The product with UPS 25/65 pump is sold in non-EU countries.
- * PWM signal cable not included. To be purchased separately (see page 229) when connected to a controller with **PWM signal**.



ART. M059

ART.	SIZE	CODE	PUMP	
M059	1"	87M059PG06	NO PUMP	1
M059●	1"	87M059PG0665	Grundfos UPS 25/65	1
M059	1"	87M059PGP328	UPM3 Hybrid 25/70*	1
M059	1"	87M059PG06P329	Taco ES2 25/60	1

Mixing group with fixed point regulating unit, circulating pump and thermostatic head 20°-50°C with remote sensor. Fixed point valve, adjustable flow rate optimising the flow to the panels. **Boiler delivery on left lower side, return on lower side. 1" delivery/return for radiant panel systems. Safety thermostat P310 not included.**

- The product with UPS 25/65 pump is sold in non-EU countries.
- * PWM signal cable not included. To be purchased separately (see page 229) when connected to a controller with **PWM signal**.



ART. M060

ART.	SIZE	CODE	PUMP	
M060	1"	87M060PG06	NO PUMP	1
M060	1"	87M060PG06P328	UPM3 Hybrid 25/70*	1
M060	1"	87M060PG06P329	Taco ES2 25/60	1
M060	1"	87M060PG06P330	Wilo Para 25/7	1

Mixing group with fixed point regulating unit, circulating pump and thermostatic head 20°-70°C with remote sensor. Fixed point valve, adjustable flow rate optimising the flow to the panels. It can be equipped with asynchronous circulators (not sold in the EU) or electronic circulators with 1" ½ connections. The mixing unit includes safety thermostat (art. P310), thermostatic head 20°-70°C with remote sensor art.995. **Connection to delivery and return manifolds on the side. Suitable for installation in cabinets for manifolds with 110 mm. depth.**

* PWM signal cable not included. To be purchased separately (see page 229) when connected to a controller with **PWM signal**.



ART. K062

ART.	SIZE	CODE	PUMP	
K062	1"	87K062PG06	NO PUMP	1
K062●	1"	87K062PG0640	Grundfos UPS 25/40	1
K062●	1"	87K062PG0660	Grundfos UPS 25/65	1
K062	1"	87K062PGP328	UPM3 Hybrid 25/70*	1

Delivery pump group. It can be equipped with asynchronous circulators (not sold in the EU) or electronic circulators with 1"½ connections. The mixing unit includes safety thermostat (art. P310) and manual air vent (art. 705 1/2"), it can be installed on the left or right side of the manifold. 1" connection. **Connection to delivery and return manifolds on the side. Suitable for installation in cabinets for manifolds with 110 mm. depth.**

● **The products with UPS 25/40 and UPS 25/65 pumps are sold in non-EU countries.**

* PWM signal cable not included. To be purchased separately (see page 229) when connected to a controller with **PWM signal**.



ART. M061

ART.	SIZE	CODE WITHOUT WATER FILLING AND DRAIN TAP ART. 172	CODE WITH WATER FILLING AND DRAIN TAP ART. 172	CODE WITH AIR VENT VALVE ART. 705	PUMP	
M061	1"	87M0615006			NO PUMP	1
M061●	1"	87M0615006P321			Grundfos UPS 25/65 130	1
M061	1"	87M0615006P327			Wilo Para RS 25/8	1
M061	1"	87M0615006P328			UPM3 Hybrid 25/70*	1
M061	1"	87M0615006P329			Taco ES2 15-70/130	1
M061	1"	87M0615006P330			Wilo Para 25/7 130	1
M061	1"		87M06150172		NO PUMP	1
M061●	1"		87M06150172P321		Grundfos UPS 25/65 130	1
M061	1"		87M06150172P327		Wilo Para RS 25/8	1
M061	1"		87M06150172P328		UPM3 Hybrid 25/70*	1
M061	1"		87M06150172P329		Taco ES2 15-70/130	1
M061	1"		87M06150172P330		Wilo Para 25/7 130	1
M061	1"			87M0615006705	NO PUMP	1


Mixing group with thermostatic fixed point regulation unit, circulation pump with 1"½ connections, it can be equipped with asynchronous circulators (not sold in UE) or electronic. **Available with or without 3/4" water filling and drain valve. Connection to delivery and return on lower side. Suitable for installation in cabinets for manifolds with 110 mm. depth.**

● **The products with UPS 25/65 are sold in non-EU countries.**

* PWM signal cable not included. To be purchased separately (see page 229) when connected to a controller with PWM signal.




ART. K063

ART.	SIZE	CODE	
K063	1"	87K063PG06	1

Fixed point temperature regulating group. Max.pressure valve and flowmeter. Thermostatic head 20-50°C with remote sensor and cockpit art.189 with 1/2" connection.




ART. P310

ART.	SIZE	VOLTAGE	CODE	
P310	1/2	230 Volt	88P3100199	1

Safety thermostat. Suitable for underfloor systems with high temperature boiler supply. It stops the pump when reaching 50°C.



ART. 793

ART.	CODE	
793	93793AE062050	1

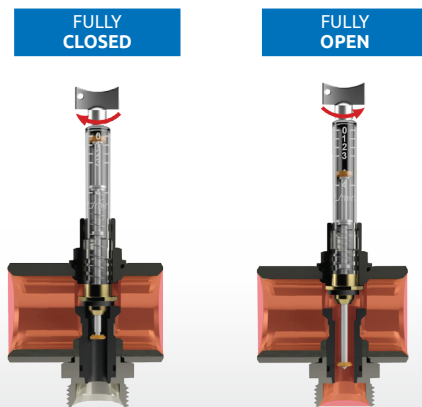
Mixing valve for underfloor heating kit. Operating temperature 20°C - 53°C. Max. Operating pressure: 10 bar.



MANIFOLDS FOR UNDERFLOOR HEATING

FLOWMETER VALVE
OPENING/CLOSING

Its high quality components make it an easy to use, durable and reliable device of flow measuring.



ICMA FLOW RATES

All highly precise range of measurements.



RANGE OF BRACKETS FOR DISTRIBUTION MANIFOLDS

Icma presents the complete range of brackets for our distribution manifolds for underfloor heating in brass and stainless steel.

The complete range consists of the following **models: articles 208, 208L, 208H and 1300.**

The integration of this range will ensure:

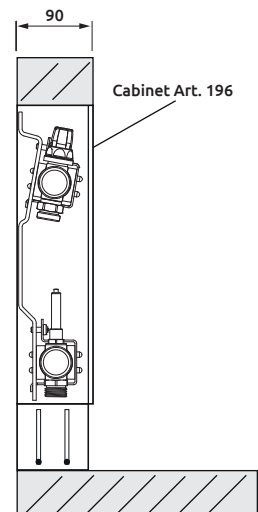
- 1 **Compatibility with cabinets with 90mm. depth** (via bracket art. 208).
- 2 **Possibility of housing pumps with 180 mm. length** (via bracket art. 208H).
- 3 **Increased ease and installation speed** (via bracket art. 208L).
- 4 **Possibility of clamping on the square section of the manifold bar** (using bracket art. 1300).

90
mm



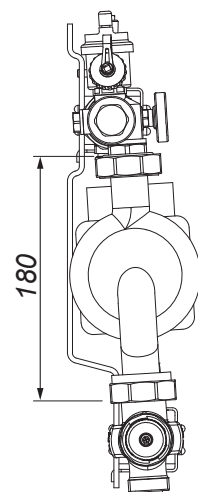
BRACKET ART. 208

Thanks to its compact design it enables the installation of the distribution manifolds in the cabinets (art. 196) housed in walls with a 90 mm. thickness.



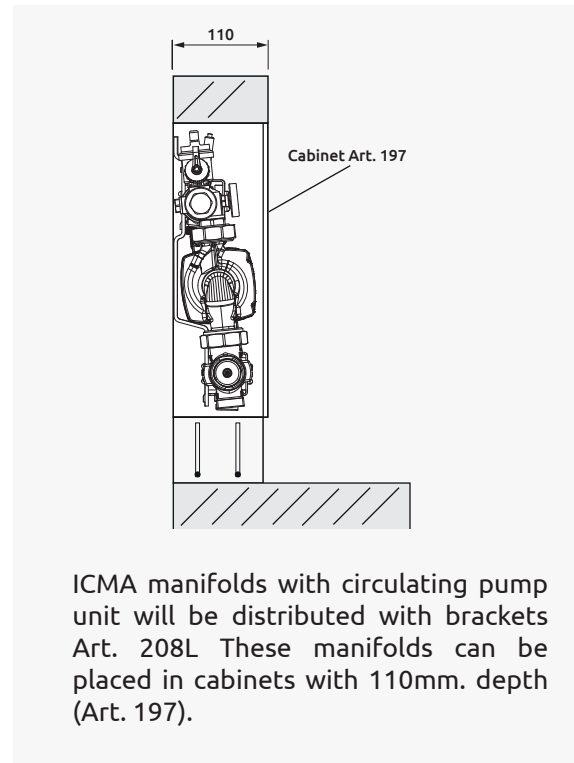
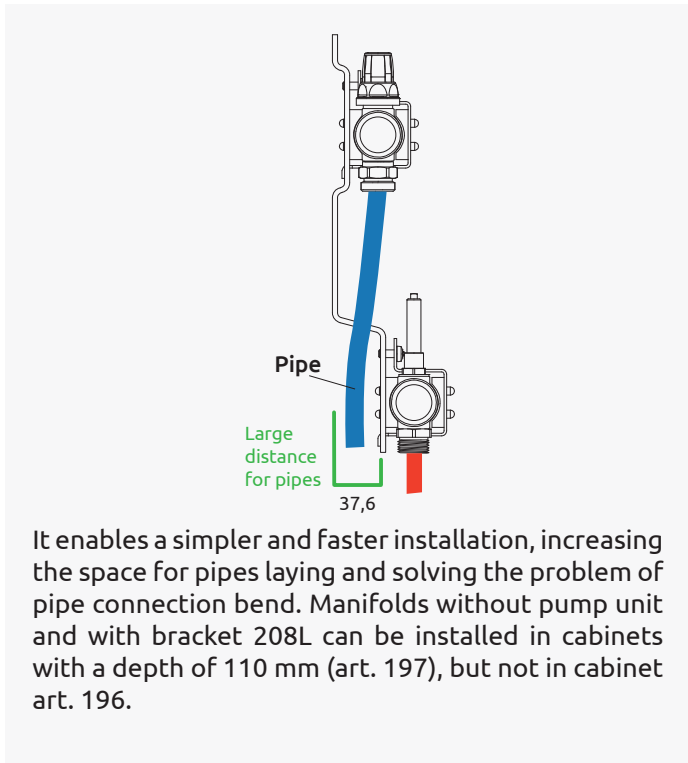
BRACKET ART. 208H

Thanks to a 210 mm. inter-axe, it allows the housing of 180 mm. inter-axe circulators.





BRACKET ART. 208L



BRACKET ART. 1300

Enables fastening on the square section of the manifold bar. It also enables installation of the manifolds in cabinets with a depth of 100 mm (art. 197).



For manifolds without circulation pump, the new brackets may be used and ordered by adding in the final part of the product code:

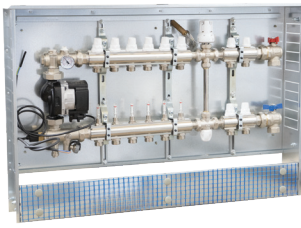
- "L" for bracket **208L**
- "H" for bracket **208H**

FIXED POINT REGULATION MANIFOLDS FOR UNDERFLOOR HEATING SYSTEMS WITH LOW AND HIGH TEMPERATURE

B5

3/4 Euroconus

(see fittings on page 105-107)



ART. K054 | K056 | K058



ART. K060

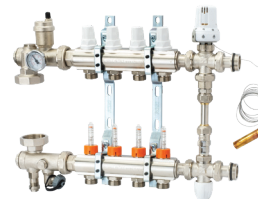
ART.	HEAD CONNECT.	OUTLETS BASSA TEMP.	OUTLETS ALTA TEMP.	CODE EUROCONUS	BOX PROVIDED ART. 197
K054	1"	2	1	87K054PG06	1 600 mm
K054	1"	3	1	87K054PH06	1 700 mm
K054	1"	4	1	87K054PJ06	1 700 mm
K054	1"	5	1	87K054PQ06	1 850 mm
K054	1"	6	1	87K054PK06	1 850 mm
K054	1"	7	1	87K054PR06	1 850 mm
K054	1"	8	1	87K054PL06	1 1000 mm
K054	1"	9	1	87K054PS06	1 1000 mm
K054	1"	10	1	87K054PM06	1 1000 mm
K054	1"	11	1	87K054PT06	1 1200 mm
K054	1"	12	1	87K054PU06	1 1200 mm
K056	1"	2	2	87K056PG06	1 700 mm
K056	1"	3	2	87K056PH06	1 700 mm
K056	1"	4	2	87K056PJ06	1 850 mm
K056	1"	5	2	87K056PQ06	1 850 mm
K056	1"	6	2	87K056PK06	1 850 mm
K056	1"	7	2	87K056PR06	1 1000 mm
K056	1"	8	2	87K056PL06	1 1000 mm
K056	1"	9	2	87K056PS06	1 1000 mm
K056	1"	10	2	87K056PM06	1 1200 mm
K056	1"	11	2	87K056PT06	1 1200 mm
K056	1"	12	2	87K056PU06	1 1200 mm
K058	1"	2	3	87K058PG06	1 700 mm
K058	1"	3	3	87K058PH06	1 850 mm
K058	1"	4	3	87K058PJ06	1 850 mm
K058	1"	5	3	87K058PQ06	1 850 mm
K058	1"	6	3	87K058PK06	1 1000 mm
K058	1"	7	3	87K058PR06	1 1000 mm
K058	1"	8	3	87K058PL06	1 1000 mm
K058	1"	9	3	87K058PS06	1 1200 mm
K058	1"	10	3	87K058PM06	1 1200 mm
K058	1"	11	3	87K058PT06	1 1200 mm
K058	1"	12	3	87K058PU06	1 1200 mm

Pre-assembled group with box. For radiant panel systems with low temperature circuits and for radiators with high temperature circuits, high temperature supply, **fixed point mixing unit. It is supplied with pump P328 (Grundfos UPM3 Hybrid) and safety thermostat P310 installed in the box. Compatible with electrothermic actuators with 28x1,5 connection thread.**

- FOR TEMPERATURE SETTING SEE CHAPTER D PAGE 124
- FOR MANIFOLD ACCESSORIES SEE CHAPTER B8 PAGE 101

ART.	HEAD CONNECT.	LOW TEMP. OUTLETS	CODE EUROCONUS	BOX PROVIDED ART. 197
K060	1"	2	87K060PG06	1 600 mm
K060	1"	3	87K060PH06	1 600 mm
K060	1"	4	87K060PJ06	1 700 mm
K060	1"	5	87K060PQ06	1 700 mm
K060	1"	6	87K060PK06	1 850 mm
K060	1"	7	87K060PR06	1 850 mm
K060	1"	8	87K060PL06	1 850 mm
K060	1"	9	87K060PS06	1 1000 mm
K060	1"	10	87K060PM06	1 1000 mm
K060	1"	11	87K060PT06	1 1000 mm
K060	1"	12	87K060PU06	1 1200 mm

Pre-assembled group with box. For radiant panel systems with low temperature circuits, high temperature supply, **fixed point mixing unit. It is supplied with pump P328 (Grundfos UPM3 Hybrid) and safety thermostat P310 installed in the box. Compatible with electrothermic actuators with 28x1,5 connection thread.**



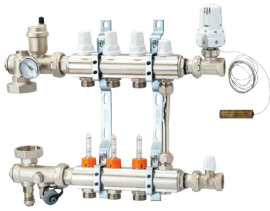
ART. A1K013

ART.	HEAD CONNECT.	LOW TEMP. OUTLETS	CODE EUROCONUS	BOX PROVIDED ART. 197
A1K013	1"	2	A1K013APG06	1
A1K013	1"	3	A1K013APH06	1
A1K013	1"	4	A1K013APJ06	1
A1K013	1"	5	A1K013APQ06	1
A1K013	1"	6	A1K013APK06	1
A1K013	1"	7	A1K013APR06	1
A1K013	1"	8	A1K013APL06	1
A1K013	1"	9	A1K013APS06	1
A1K013	1"	10	A1K013APM06	1
A1K013	1"	11	A1K013APT06	1
A1K013	1"	12	A1K013APU06	1

Pre-assembled group for radiant panel systems with low temperature circuits, supplied at high-temperature **with fixed-point three-way mixing system** with differential maximum pressure valve and flow meter. It is supplied without circulator and complete with thermostatic head 20°-50°C with remote sensor.

Compatible with thermostatic and electrothermic actuators with M28x1,5 connection thread.

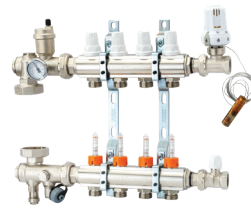
Combinable with pumps P320, P321, P327, P328, P330 (page 228).



ART. A2K013

ART.	HEAD CONNECT.	LOW TEMP. OUTLETS	Code EUROCONUS	
A2K013	3/4"	2	A2K013APG06	1
A2K013	3/4"	3	A2K013APH06	1
A2K013	3/4"	4	A2K013APJ06	1
A2K013	3/4"	5	A2K013APQ06	1
A2K013	3/4"	6	A2K013APK06	1
A2K013	3/4"	7	A2K013APR06	1
A2K013	3/4"	8	A2K013APL06	1
A2K013	3/4"	9	A2K013APS06	1
A2K013	3/4"	10	A2K013APM06	1
A2K013	3/4"	11	A2K013APT06	1
A2K013	3/4"	12	A2K013APU06	1

Pre-assembled group for radiant panel systems with low temperature circuits, supplied at high-temperature with fixed-point two-way mixing system and adjustable by-pass placed on the distribution manifold. It is supplied without circulator and complete with thermostatic head 20°-50°C with remote sensor. **Compatible with thermostatic and electrothermic actuators with M28x1,5 connection thread.**
 Combinable with pumps P320, P321, P327, P328, P330 (page 228).



ART. A3K013

ART.	HEAD CONNECT.	LOW TEMP. OUTLETS	Code EUROCONUS	
A3K013	3/4"	2	A3K013APG06	1
A3K013	3/4"	3	A3K013APH06	1
A3K013	3/4"	4	A3K013APJ06	1
A3K013	3/4"	5	A3K013APQ06	1
A3K013	3/4"	6	A3K013APK06	1
A3K013	3/4"	7	A3K013APR06	1
A3K013	3/4"	8	A3K013APL06	1
A3K013	3/4"	9	A3K013APS06	1
A3K013	3/4"	10	A3K013APM06	1
A3K013	3/4"	11	A3K013APT06	1
A3K013	3/4"	12	A3K013APU06	1

Pre-assembled group for radiant panel systems with low temperature circuits, supplied at high-temperature with fixed-point two-way mixing system. It is supplied without circulator and complete with thermostatic head 20°-50°C with remote sensor. **Compatible with thermostatic and electrothermic actuators with M28x1,5 connection thread.**
 Combinable with pumps P320, P321, P327, P328, P330 (page 228).



ART. TP01

ART.	HEAD CONNECT.	OUTLETS	CODE EUROCONUS	LENGTH TOTAL COLLECTOR	BOX RECOMMENDED ART. 196	
TP01	1"	2	87TP01PG05	220 mm	500 mm	1
TP01	1"	3	87TP01PH05	265 mm	500 mm	1
TP01	1"	4	87TP01PJ05	310 mm	500 mm	1
TP01	1"	5	87TP01PQ05	355 mm	500 mm	1
TP01	1"	6	87TP01PK05	400 mm	500 mm	1
TP01	1"	7	87TP01PR05	445 mm	700 mm	1
TP01	1"	8	87TP01PL05	490 mm	700 mm	1
TP01	1"	9	87TP01PS05	535 mm	700 mm	1
TP01	1"	10	87TP01PM05	580 mm	700 mm	1
TP01	1"	11	87TP01PT05	625 mm	850 mm	1
TP01	1"	12	87TP01PU05	670 mm	850 mm	1

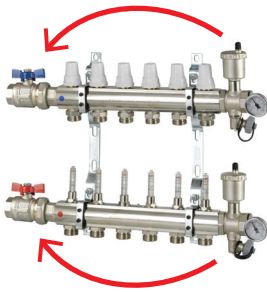
Techno-polymer manifold (single block) with manual/thermostatic regulation. It includes: 2 Ball valves incorporated in the manifold with 0-60°C thermometers and drain valves, 2 mounting brackets, 2 manual air vent valves integrated in the manifold, flow meters 0-6 lt/min, **connection thread for fittings 3/4 Euroconus. Choose electrothermic actuator art. 977, art. 980 (normally open version), art. 983 (normally open version) with M30x1,5 connection thread.**

- FOR TEMPERATURE SETTING SEE CHAPTER D PAGE 124
 - FOR MANIFOLD ACCESSORIES SEE CHAPTER B8 PAGE 101


3/4 Euroconus

M24x1,5

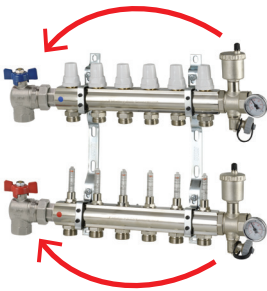
(see fittings on page 105-107)




ART. K025 | K026 WITH STRAIGHT BALL VALVE

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGTH	BOX RECOMMENDED ART. 196
K025	1"	2	87K025PG06	3/4" EK.	1	295 mm	500 mm
K025	1"	3	87K025PH06	3/4" EK.	1	345 mm	500 mm
K025	1"	4	87K025PJ06	3/4" EK.	1	395 mm	500 mm
K025	1"	5	87K025PQ06	3/4" EK.	1	445 mm	700 mm
K025	1"	6	87K025PK06	3/4" EK.	1	495 mm	700 mm
K025	1"	7	87K025PR06	3/4" EK.	1	545 mm	700 mm
K025	1"	8	87K025PL06	3/4" EK.	1	595 mm	700 mm
K025	1"	9	87K025PS06	3/4" EK.	1	645 mm	850 mm
K025	1"	10	87K025PM06	3/4" EK.	1	695 mm	850 mm
K025	1"	11	87K025PT06	3/4" EK.	1	745 mm	850 mm
K025	1"	12	87K025PU06	3/4" EK.	1	795 mm	1000 mm
K025	1"	13	87K025PV06	3/4" EK.	1	845 mm	1000 mm
K025	1"	14	87K025PW06	3/4" EK.	1	895 mm	1200 mm
K025	1"	15	87K025PY06	3/4" EK.	1	945 mm	1200 mm
K026	1"	2	87K026PG06	M24x1,5	1	295 mm	500 mm
K026	1"	3	87K026PH06	M24x1,5	1	345 mm	500 mm
K026	1"	4	87K026PJ06	M24x1,5	1	395 mm	500 mm
K026	1"	5	87K026PQ06	M24x1,5	1	445 mm	700 mm
K026	1"	6	87K026PK06	M24x1,5	1	495 mm	700 mm
K026	1"	7	87K026PR06	M24x1,5	1	545 mm	700 mm
K026	1"	8	87K026PL06	M24x1,5	1	595 mm	700 mm
K026	1"	9	87K026PS06	M24x1,5	1	645 mm	850 mm
K026	1"	10	87K026PM06	M24x1,5	1	695 mm	850 mm
K026	1"	11	87K026PT06	M24x1,5	1	745 mm	850 mm
K026	1"	12	87K026PU06	M24x1,5	1	795 mm	1000 mm
K026	1"	13	87K026PV06	M24x1,5	1	845 mm	1000 mm
K026	1"	14	87K026PW06	M24x1,5	1	895 mm	1200 mm
K026	1"	15	87K026PY06	M24x1,5	1	945 mm	1200 mm

ART. K025 | K026 WITH ANGLE BALL VALVE



ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGTH	BOX RECOMMENDED ART. 196
K025	1"	2	87K025PG06 225	3/4" EK.	1	295 mm	500 mm
K025	1"	3	87K025PH06 225	3/4" EK.	1	345 mm	500 mm
K025	1"	4	87K025PJ06 225	3/4" EK.	1	395 mm	500 mm
K025	1"	5	87K025PQ06 225	3/4" EK.	1	445 mm	700 mm
K025	1"	6	87K025PK06 225	3/4" EK.	1	495 mm	700 mm
K025	1"	7	87K025PR06 225	3/4" EK.	1	545 mm	700 mm
K025	1"	8	87K025PL06 225	3/4" EK.	1	595 mm	700 mm
K025	1"	9	87K025PS06 225	3/4" EK.	1	645 mm	850 mm
K025	1"	10	87K025PM06 225	3/4" EK.	1	695 mm	850 mm
K025	1"	11	87K025PT06 225	3/4" EK.	1	745 mm	850 mm
K025	1"	12	87K025PU06 225	3/4" EK.	1	795 mm	1000 mm
K025	1"	13	87K025PV06 225	3/4" EK.	1	845 mm	1000 mm
K025	1"	14	87K025PW06 225	3/4" EK.	1	895 mm	1200 mm
K025	1"	15	87K025PY06 225	3/4" EK.	1	945 mm	1200 mm
K026	1"	2	87K026PG06 225	M24x1,5	1	295 mm	500 mm
K026	1"	3	87K026PH06 225	M24x1,5	1	345 mm	500 mm
K026	1"	4	87K026PJ06 225	M24x1,5	1	395 mm	500 mm
K026	1"	5	87K026PQ06 225	M24x1,5	1	445 mm	700 mm
K026	1"	6	87K026PK06 225	M24x1,5	1	495 mm	700 mm
K026	1"	7	87K026PR06 225	M24x1,5	1	545 mm	700 mm
K026	1"	8	87K026PL06 225	M24x1,5	1	595 mm	700 mm
K026	1"	9	87K026PS06 225	M24x1,5	1	645 mm	850 mm
K026	1"	10	87K026PM06 225	M24x1,5	1	695 mm	850 mm
K026	1"	11	87K026PT06 225	M24x1,5	1	745 mm	850 mm
K026	1"	12	87K026PU06 225	M24x1,5	1	795 mm	1000 mm
K026	1"	13	87K026PV06 225	M24x1,5	1	845 mm	1000 mm
K026	1"	14	87K026PW06 225	M24x1,5	1	895 mm	1200 mm
K026	1"	15	87K026PY06 225	M24x1,5	1	945 mm	1200 mm

Manifolds unit with memory flowmeters and valves with thermostatic option. It includes: 2 ball valves (art. 215 or art. 225), connection to the ball valve with gasket with flat seat and o-ring, 2 brackets (art.208) with anti-vibration supports, 2 1" male/female intermediate fittings **with revolving connection** (art.204). **Conical sealing gasket. Art.204 can be assembled between manifold and ball valve.** 2 3/8" automatic air vents (art.700), 2 1/2" drain cocks (art.172), 2 1" thermometer caps with o-ring (art.185), 2 0-60° thermometers (art.206).

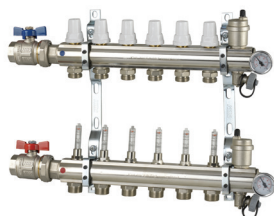
Suitable for 3/4" Euroconus or M24x1,5 fittings.

Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.

3/4 Euroconus

M24x1,5

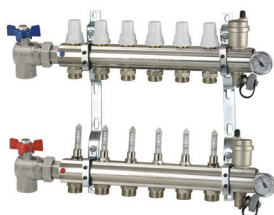
(see fittings on page 105-107)



ART. K031 | K032 WITH STRAIGHT BALL VALVE

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	MANIFOLD TOTAL LENGHT	BOX RECOMMENDED ART. 196
K031	1"	2	87K031PG06	3/4" EK.	295 mm	500 mm
K031	1"	3	87K031PH06	3/4" EK.	345 mm	500 mm
K031	1"	4	87K031PJ06	3/4" EK.	395 mm	500 mm
K031	1"	5	87K031PQ06	3/4" EK.	445 mm	700 mm
K031	1"	6	87K031PK06	3/4" EK.	495 mm	700 mm
K031	1"	7	87K031PR06	3/4" EK.	545 mm	700 mm
K031	1"	8	87K031PL06	3/4" EK.	595 mm	700 mm
K031	1"	9	87K031PS06	3/4" EK.	645 mm	850 mm
K031	1"	10	87K031PM06	3/4" EK.	695 mm	850 mm
K031	1"	11	87K031PT06	3/4" EK.	745 mm	850 mm
K031	1"	12	87K031PU06	3/4" EK.	795 mm	1000 mm
K031	1"	13	87K031PV06	3/4" EK.	845 mm	1000 mm
K031	1"	14	87K031PW06	3/4" EK.	895 mm	1200 mm
K032	1"	2	87K032PG06	M24x1,5	295 mm	500 mm
K032	1"	3	87K032PH06	M24x1,5	345 mm	500 mm
K032	1"	4	87K032PJ06	M24x1,5	395 mm	500 mm
K032	1"	5	87K032PQ06	M24x1,5	445 mm	700 mm
K032	1"	6	87K032PK06	M24x1,5	495 mm	700 mm
K032	1"	7	87K032PR06	M24x1,5	545 mm	700 mm
K032	1"	8	87K032PL06	M24x1,5	595 mm	700 mm
K032	1"	9	87K032PS06	M24x1,5	645 mm	850 mm
K032	1"	10	87K032PM06	M24x1,5	695 mm	850 mm
K032	1"	11	87K032PT06	M24x1,5	745 mm	850 mm
K032	1"	12	87K032PU06	M24x1,5	795 mm	1000 mm
K032	1"	13	87K032PV06	M24x1,5	845 mm	1000 mm
K032	1"	14	87K032PW06	M24x1,5	895 mm	1200 mm

ART. K031 | K032 WITH ANGLE BALL VALVE



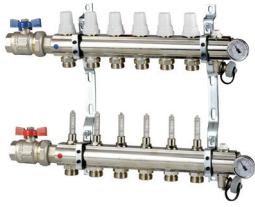
ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	MANIFOLD TOTAL LENGHT	BOX RECOMMENDED ART. 196
K031	1"	2	87K031PG06 226	3/4" EK.	295 mm	500 mm
K031	1"	3	87K031PH06 226	3/4" EK.	345 mm	500 mm
K031	1"	4	87K031PJ06 226	3/4" EK.	395 mm	500 mm
K031	1"	5	87K031PQ06 226	3/4" EK.	445 mm	700 mm
K031	1"	6	87K031PK06 226	3/4" EK.	495 mm	700 mm
K031	1"	7	87K031PR06 226	3/4" EK.	545 mm	700 mm
K031	1"	8	87K031PL06 226	3/4" EK.	595 mm	700 mm
K031	1"	9	87K031PS06 226	3/4" EK.	645 mm	850 mm
K031	1"	10	87K031PM06 226	3/4" EK.	695 mm	850 mm
K031	1"	11	87K031PT06 226	3/4" EK.	745 mm	850 mm
K031	1"	12	87K031PU06 226	3/4" EK.	795 mm	1000 mm
K031	1"	13	87K031PV06 226	3/4" EK.	845 mm	1000 mm
K031	1"	14	87K031PW06 226	3/4" EK.	895 mm	1200 mm
K032	1"	2	87K032PG06 226	M24x1,5	295 mm	500 mm
K032	1"	3	87K032PH06 226	M24x1,5	345 mm	500 mm
K032	1"	4	87K032PJ06 226	M24x1,5	395 mm	500 mm
K032	1"	5	87K032PQ06 226	M24x1,5	445 mm	700 mm
K032	1"	6	87K032PK06 226	M24x1,5	495 mm	700 mm
K032	1"	7	87K032PR06 226	M24x1,5	545 mm	700 mm
K032	1"	8	87K032PL06 226	M24x1,5	595 mm	700 mm
K032	1"	9	87K032PS06 226	M24x1,5	645 mm	850 mm
K032	1"	10	87K032PM06 226	M24x1,5	695 mm	850 mm
K032	1"	11	87K032PT06 226	M24x1,5	745 mm	850 mm
K032	1"	12	87K032PU06 226	M24x1,5	795 mm	1000 mm
K032	1"	13	87K032PV06 226	M24x1,5	845 mm	1000 mm
K032	1"	14	87K032PW06 226	M24x1,5	895 mm	1200 mm

Manifolds unit with memory flowmeters and valves with thermostatic option.
 It includes: 2 ball valves (art.215 or art. 225), connection to the ball valve with gasket with flat seat and o-ring, 2 brackets (art.208) with anti-vibration supports, 2 1/2" automatic air vents (art.700), 2 1/2" drain cocks (art.172), 2 1" thermometer caps with o-ring (art.185), 2 0-60° thermometers (art.206).
Suitable for 3/4" Euroconus or M24x1,5 fittings.
Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.

3/4 Euroconus

M24x1,5

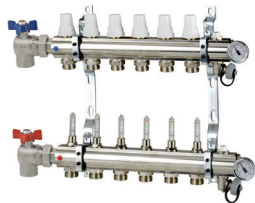
(see fittings on page 105-107)



ART. K023 | K024 WITH STRAIGHT BALL VALVE

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	MANIFOLD TOTAL LENGHT	SIZE BOX RECOMMENDED
K023	1"	2	87K023PG06	3/4" EK.	295 mm	500 mm (art.196)
K023	1"	3	87K023PH06	3/4" EK.	345 mm	500 mm (art.196)
K023	1"	4	87K023PJ06	3/4" EK.	395 mm	500 mm (art.196)
K023	1"	5	87K023PQ06	3/4" EK.	445 mm	700 mm (art.196)
K023	1"	6	87K023PK06	3/4" EK.	495 mm	700 mm (art.196)
K023	1"	7	87K023PR06	3/4" EK.	545 mm	700 mm (art.196)
K023	1"	8	87K023PL06	3/4" EK.	595 mm	700 mm (art.196)
K023	1"	9	87K023PS06	3/4" EK.	645 mm	850 mm (art.196)
K023	1"	10	87K023PM06	3/4" EK.	695 mm	850 mm (art.196)
K023	1"	11	87K023PT06	3/4" EK.	745 mm	850 mm (art.196)
K023	1"	12	87K023PU06	3/4" EK.	795 mm	1000 mm (art.196)
K023	1"	13	87K023PV06	3/4" EK.	845 mm	1000 mm (art.196)
K023	1"	14	87K023PW06	3/4" EK.	895 mm	1200 mm (art.196)
K023	1 1/4"	2	87K023DG06	3/4" EK.	304 mm	600 mm (art.197)
K023	1 1/4"	3	87K023DH06	3/4" EK.	354 mm	600 mm (art.197)
K023	1 1/4"	4	87K023DJ06	3/4" EK.	404 mm	600 mm (art.197)
K023	1 1/4"	5	87K023DQ06	3/4" EK.	454 mm	700 mm (art.197)
K023	1 1/4"	6	87K023DK06	3/4" EK.	504 mm	700 mm (art.197)
K023	1 1/4"	7	87K023DR06	3/4" EK.	554 mm	700 mm (art.197)
K023	1 1/4"	8	87K023DL06	3/4" EK.	604 mm	700 mm (art.197)
K023	1 1/4"	9	87K023DS06	3/4" EK.	654 mm	850 mm (art.197)
K023	1 1/4"	10	87K023DM06	3/4" EK.	704 mm	850 mm (art.197)
K023	1 1/4"	11	87K023DT06	3/4" EK.	754 mm	850 mm (art.197)
K023	1 1/4"	12	87K023DU06	3/4" EK.	804 mm	1000 mm (art.197)
K023	1 1/4"	13	87K023DV06	3/4" EK.	854 mm	1000 mm (art.197)
K023	1 1/4"	14	87K023DW06	3/4" EK.	904 mm	1000 mm (art.197)
K024	1"	2	87K024PG06	M24x1,5	295 mm	500 mm (art.196)
K024	1"	3	87K024PH06	M24x1,5	345 mm	500 mm (art.196)
K024	1"	4	87K024PJ06	M24x1,5	395 mm	500 mm (art.196)
K024	1"	5	87K024PQ06	M24x1,5	445 mm	700 mm (art.196)
K024	1"	6	87K024PK06	M24x1,5	495 mm	700 mm (art.196)
K024	1"	7	87K024PR06	M24x1,5	545 mm	700 mm (art.196)
K024	1"	8	87K024PL06	M24x1,5	595 mm	700 mm (art.196)
K024	1"	9	87K024PS06	M24x1,5	645 mm	850 mm (art.196)
K024	1"	10	87K024PM06	M24x1,5	695 mm	850 mm (art.196)
K024	1"	11	87K024PT06	M24x1,5	745 mm	850 mm (art.196)
K024	1"	12	87K024PU06	M24x1,5	795 mm	1000 mm (art.196)
K024	1"	13	87K024PV06	M24x1,5	845 mm	1000 mm (art.196)
K024	1"	14	87K024PW06	M24x1,5	895 mm	1200 mm (art.196)

ART. K023 | K024 WITH ANGLE BALL VALVE



ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	MANIFOLD TOTAL LENGHT	BOX RECOMMENDED ART. 196
K023	1"	2	87K023PG06 226	3/4" EK.	295 mm	500 mm
K023	1"	3	87K023PH06 226	3/4" EK.	345 mm	500 mm
K023	1"	4	87K023PJ06 226	3/4" EK.	395 mm	500 mm
K023	1"	5	87K023PQ06 226	3/4" EK.	445 mm	700 mm
K023	1"	6	87K023PK06 226	3/4" EK.	495 mm	700 mm
K023	1"	7	87K023PR06 226	3/4" EK.	545 mm	700 mm
K023	1"	8	87K023PL06 226	3/4" EK.	595 mm	700 mm
K023	1"	9	87K023PS06 226	3/4" EK.	645 mm	850 mm
K023	1"	10	87K023PM06 226	3/4" EK.	695 mm	850 mm
K023	1"	11	87K023PT06 226	3/4" EK.	745 mm	850 mm
K023	1"	12	87K023PU06 226	3/4" EK.	795 mm	1000 mm
K023	1"	13	87K023PV06 226	3/4" EK.	845 mm	1000 mm
K023	1"	14	87K023PW06 226	3/4" EK.	895 mm	1200 mm
K024	1"	2	87K024PG06 226	M24x1,5	295 mm	500 mm
K024	1"	3	87K024PH06 226	M24x1,5	345 mm	500 mm
K024	1"	4	87K024PJ06 226	M24x1,5	395 mm	500 mm
K024	1"	5	87K024PQ06 226	M24x1,5	445 mm	700 mm
K024	1"	6	87K024PK06 226	M24x1,5	495 mm	700 mm
K024	1"	7	87K024PR06 226	M24x1,5	545 mm	700 mm
K024	1"	8	87K024PL06 226	M24x1,5	595 mm	700 mm
K024	1"	9	87K024PS06 226	M24x1,5	645 mm	850 mm
K024	1"	10	87K024PM06 226	M24x1,5	695 mm	850 mm
K024	1"	11	87K024PT06 226	M24x1,5	745 mm	850 mm
K024	1"	12	87K024PU06 226	M24x1,5	795 mm	1000 mm
K024	1"	13	87K024PV06 226	M24x1,5	845 mm	1000 mm
K024	1"	14	87K024PW06 226	M24x1,5	895 mm	1200 mm

Manifolds unit with memory flowmeters and valves with thermostatic option. It Includes: 2 ball valves (art. 215 or art. 225), connection to the ball valve with gasket with flat seat and o-ring, 2 brackets (art.208) with anti-vibration supports, 2 built-in manual air vents with o-ring (art.705), 2 1/2" drain cocks (art.172), 2 1" thermometer caps with o-ring (art.185), 2 0-60° thermometers (art.206).

Suitable for 3/4" Euroconus or M24x1,5 fittings.

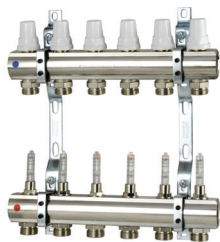
Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.


3/4 Euroconus

M24x1,5

(see fittings on page 105-107)

ART. K013 | K014



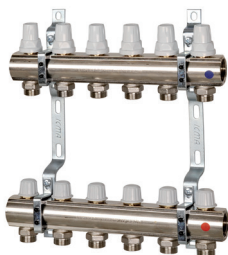
ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGTH
K013	1"	2	87K013PG06	3/4" EK.	1	104 mm
K013	1"	3	87K013PH06	3/4" EK.	1	154 mm
K013	1"	4	87K013PJ06	3/4" EK.	1	204 mm
K013	1"	5	87K013PQ06	3/4" EK.	1	254 mm
K013	1"	6	87K013PK06	3/4" EK.	1	304 mm
K013	1"	7	87K013PR06	3/4" EK.	1	354 mm
K013	1"	8	87K013PL06	3/4" EK.	1	404 mm
K013	1"	9	87K013PS06	3/4" EK.	1	454 mm
K013	1"	10	87K013PM06	3/4" EK.	1	504 mm
K013	1"	11	87K013PT06	3/4" EK.	1	554 mm
K013	1"	12	87K013PU06	3/4" EK.	1	604 mm
K013	1"	13	87K013PV06	3/4" EK.	1	654 mm
K013	1"	14	87K013PW06	3/4" EK.	1	704 mm
K013	1"	15	87K013PY06	3/4" EK.	1	754 mm
K014	1"	2	87K014PG06	M24x1,5	1	104 mm
K014	1"	3	87K014PH06	M24x1,5	1	154 mm
K014	1"	4	87K014PJ06	M24x1,5	1	204 mm
K014	1"	5	87K014PQ06	M24x1,5	1	254 mm
K014	1"	6	87K014PK06	M24x1,5	1	304 mm
K014	1"	7	87K014PR06	M24x1,5	1	354 mm
K014	1"	8	87K014PL06	M24x1,5	1	404 mm
K014	1"	9	87K014PS06	M24x1,5	1	454 mm
K014	1"	10	87K014PM06	M24x1,5	1	504 mm
K014	1"	11	87K014PT06	M24x1,5	1	554 mm
K014	1"	12	87K014PU06	M24x1,5	1	604 mm
K014	1"	13	87K014PV06	M24x1,5	1	654 mm
K014	1"	14	87K014PW06	M24x1,5	1	704 mm
K014	1"	15	87K014PY06	M24x1,5	1	754 mm


Manifolds unit with memory flowmeters and valves with thermostatic option. Brackets with antivibration supports (art.208). The flow regulators allow to close and regulate the flow.

Suitable for 3/4" Euroconus or M24x1,5 fittings.

Compatible with electrothermic actuators with 28x1,5 connection thread.

ART. K005 | K006



ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGTH
K005	1"	2	87K005PG06	3/4" EK.	1	104 mm
K005	1"	3	87K005PH06	3/4" EK.	1	154 mm
K005	1"	4	87K005PJ06	3/4" EK.	1	204 mm
K005	1"	5	87K005PQ06	3/4" EK.	1	254 mm
K005	1"	6	87K005PK06	3/4" EK.	1	304 mm
K005	1"	7	87K005PR06	3/4" EK.	1	354 mm
K005	1"	8	87K005PL06	3/4" EK.	1	404 mm
K005	1"	9	87K005PS06	3/4" EK.	1	454 mm
K005	1"	10	87K005PM06	3/4" EK.	1	504 mm
K005	1"	11	87K005PT06	3/4" EK.	1	554 mm
K005	1"	12	87K005PU06	3/4" EK.	1	604 mm
K005	1"	13	87K005PV06	3/4" EK.	1	654 mm
K005	1"	14	87K005PW06	3/4" EK.	1	704 mm
K005	1"	15	87K005PY06	3/4" EK.	1	754 mm
K006	1"	2	87K006PG06	M24x1,5	1	104 mm
K006	1"	3	87K006PH06	M24x1,5	1	154 mm
K006	1"	4	87K006PJ06	M24x1,5	1	204 mm
K006	1"	5	87K006PQ06	M24x1,5	1	254 mm
K006	1"	6	87K006PK06	M24x1,5	1	304 mm
K006	1"	7	87K006PR06	M24x1,5	1	354 mm
K006	1"	8	87K006PL06	M24x1,5	1	404 mm
K006	1"	9	87K006PS06	M24x1,5	1	454 mm
K006	1"	10	87K006PM06	M24x1,5	1	504 mm
K006	1"	11	87K006PT06	M24x1,5	1	554 mm
K006	1"	12	87K006PU06	M24x1,5	1	604 mm
K006	1"	13	87K006PV06	M24x1,5	1	654 mm
K006	1"	14	87K006PW06	M24x1,5	1	704 mm
K006	1"	15	87K006PY06	M24x1,5	1	754 mm

Manifolds unit with adjustment lockshields and valves with thermostatic option. Brackets with anti-vibration supports (art.208).

Suitable for 3/4" Euroconus or M24x1,5 fittings.

Compatible with electrothermic actuators with 28x1,5 connection thread.

FIXED POINT REGULATION MANIFOLDS FOR UNDERFLOOR HEATING SYSTEMS WITH LOW AND HIGH TEMPERATURE

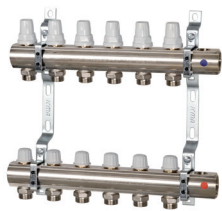
B5


3/4 Euroconus

M24x1,5

(see fittings on page 105-107)

ART. K009



ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT
K009	1"	2	87K009PG06	3/4" EK.	1	154 mm
K009	1"	3	87K009PH06	3/4" EK.	1	204 mm
K009	1"	4	87K009PJ06	3/4" EK.	1	254 mm
K009	1"	5	87K009PQ06	3/4" EK.	1	304 mm
K009	1"	6	87K009PK06	3/4" EK.	1	354 mm
K009	1"	7	87K009PR06	3/4" EK.	1	404 mm
K009	1"	8	87K009PL06	3/4" EK.	1	454 mm
K009	1"	9	87K009PS06	3/4" EK.	1	504 mm
K009	1"	10	87K009PM06	3/4" EK..	1	554 mm
K009	1"	11	87K009PT06	3/4" EK.	1	604 mm
K009	1"	12	87K009PU06	3/4" EK.	1	654 mm
K009	1"	13	87K009PV06	3/4" EK.	1	704 mm
K009	1"	14	87K009PW06	3/4" EK.	1	754 mm


Manifolds unit with adjustment lockshields and valves with thermostatic option. Outlets for 1/2" air vent (art.700) and 1/2" drain cock (art.172). Brackets with anti-vibration supports (art.208).

Suitable for 3/4" Euroconus or M24x1,5 fittings.

Compatible with electrothermic actuators with 28x1,5 connection thread.




ART. 1001 | 1002

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1001	1"	1	871001PF06	3/4" EK.	1
1001	1"	2	871001PG06	3/4" EK.	1
1001	1"	3	871001PH06	3/4" EK.	1
1001	1"	4	871001PJ06	3/4" EK.	1
1001	1"	5	871001PQ06	3/4" EK.	1
1001	1"	6	871001PK06	3/4" EK.	1
1001	1"	7	871001PR06	3/4" EK.	1
1001	1"	8	871001PL06	3/4" EK.	1
1001	1"	9	871001PS06	3/4" EK.	1
1001	1"	10	871001PM06	3/4" EK.	1
1001	1"	11	871001PT06	3/4" EK.	1
1001	1"	12	871001PU06	3/4" EK.	1
1001	1"	13	871001PV06	3/4" EK.	1
1001	1"	14	871001PW06	3/4" EK.	1
1001	1"	15	871001PY06	3/4" EK.	1
1002	1"	1	871002PF06	M24x1,5	1
1002	1"	2	871002PG06	M24x1,5	1
1002	1"	3	871002PH06	M24x1,5	1
1002	1"	4	871002PJ06	M24x1,5	1
1002	1"	5	871002PQ06	M24x1,5	1
1002	1"	6	871002PK06	M24x1,5	1
1002	1"	7	871002PR06	M24x1,5	1
1002	1"	8	871002PL06	M24x1,5	1
1002	1"	9	871002PS06	M24x1,5	1
1002	1"	10	871002PM06	M24x1,5	1
1002	1"	11	871002PT06	M24x1,5	1
1002	1"	12	871002PU06	M24x1,5	1
1002	1"	13	871002PV06	M24x1,5	1
1002	1"	14	871002PW06	M24x1,5	1
1002	1"	15	871002PY06	M24x1,5	1

Return manifold with manual valves and valves with thermostatic option. Male outlets. Interaxe: 50 mm. **Suitable for 3/4" Euroconus or M24x1,5 fittings. Compatible with electrothermic actuators with 28x1,5 connection thread.**



ART. 1005 | 1006

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1005	1"	1	871005PF06	3/4" EK.	1
1005	1"	2	871005PG06	3/4" EK.	1
1005	1"	3	871005PH06	3/4" EK.	1
1005	1"	4	871005PJ06	3/4" EK.	1
1005	1"	5	871005PQ06	3/4" EK.	1
1005	1"	6	871005PK06	3/4" EK.	1
1005	1"	7	871005PR06	3/4" EK.	1
1005	1"	8	871005PL06	3/4" EK.	1
1005	1"	9	871005PS06	3/4" EK.	1
1005	1"	10	871005PM06	3/4" EK.	1
1005	1"	11	871005PT06	3/4" EK.	1
1005	1"	12	871005PU06	3/4" EK.	1
1005	1"	13	871005PV06	3/4" EK.	1
1005	1"	14	871005PW06	3/4" EK.	1
1005	1"	15	871005PY06	3/4" EK.	1
1006	1"	1	871006PF06	M24x1,5	1
1006	1"	2	871006PG06	M24x1,5	1
1006	1"	3	871006PH06	M24x1,5	1
1006	1"	4	871006PJ06	M24x1,5	1
1006	1"	5	871006PQ06	M24x1,5	1
1006	1"	6	871006PK06	M24x1,5	1
1006	1"	7	871006PR06	M24x1,5	1
1006	1"	8	871006PL06	M24x1,5	1
1006	1"	9	871006PS06	M24x1,5	1
1006	1"	10	871006PM06	M24x1,5	1
1006	1"	11	871006PT06	M24x1,5	1
1006	1"	12	871006PU06	M24x1,5	1
1006	1"	13	871006PV06	M24x1,5	1
1006	1"	14	871006PW06	M24x1,5	1
1006	1"	15	871006PY06	M24x1,5	1

Delivery manifold with micrometric regulation lockshields. Male outlets. Interaxe: 50 mm. **Suitable for 3/4" Euroconus or M24x1,5 fittings.**

- FOR TEMPERATURE SETTING SEE CHAPTER D PAGE 124
- FOR MANIFOLD ACCESSORIES SEE CHAPTER B8 PAGE 103


3/4 Euroconus

M24x1,5

(see fittings on page 105-107)




ART. 1013 | 1014

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1013	1"	1	871013PF06	3/4" EK.	1
1013	1"	2	871013PG06	3/4" EK..	1
1013	1"	3	871013PH06	3/4" EK.	1
1013	1"	4	871013PJ06	3/4" EK.	1
1013	1"	5	871013PQ06	3/4" EK.	1
1013	1"	6	871013PK06	3/4" EK.	1
1013	1"	7	871013PR06	3/4" EK.	1
1013	1"	8	871013PL06	3/4" EK.	1
1013	1"	9	871013PS06	3/4" EK.	1
1013	1"	10	871013PM06	3/4" EK.	1
1013	1"	11	871013PT06	3/4" EK.	1
1013	1"	12	871013PU06	3/4" EK.	1
1013	1"	13	871013PV06	3/4" EK.	1
1013	1"	14	871013PW06	3/4" EK.	1
1013	1"	15	871013PY06	3/4" EK.	1
1014	1"	1	871014PF06	M24x1,5	1
1014	1"	2	871014PG06	M24x1,5	1
1014	1"	3	871014PH06	M24x1,5	1
1014	1"	4	871014PJ06	M24x1,5	1
1014	1"	5	871014PQ06	M24x1,5	1
1014	1"	6	871014PK06	M24x1,5	1
1014	1"	7	871014PR06	M24x1,5	1
1014	1"	8	871014PL06	M24x1,5	1
1014	1"	9	871014PS06	M24x1,5	1
1014	1"	10	871014PM06	M24x1,5	1
1014	1"	11	871014PT06	M24x1,5	1
1014	1"	12	871014PU06	M24x1,5	1
1014	1"	13	871014PV06	M24x1,5	1
1014	1"	14	871014PW06	M24x1,5	1
1014	1"	15	871014PY06	M24x1,5	1

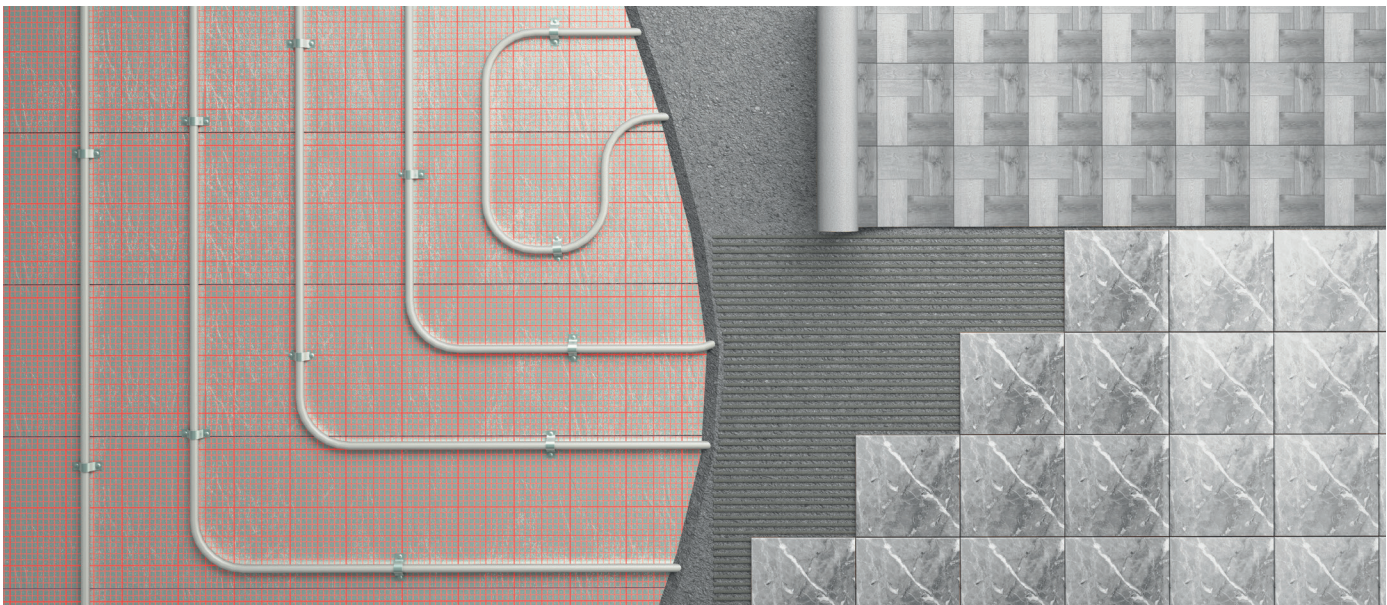
Delivery manifold with flowmeters. Male outlets. Interaxe: 50 mm.
Suitable for 3/4" Euroconus or M24x1,5 fittings.



ART. 1007

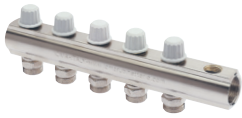
ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1007	1"	2	871007PG06	3/4" EK.	1
1007	1"	3	871007PH06	3/4" EK..	1
1007	1"	4	871007PJ06	3/4" EK.	1
1007	1"	5	871007PQ06	3/4" EK.	1
1007	1"	6	871007PK06	3/4" EK.	1
1007	1"	7	871007PR06	3/4" EK.	1
1007	1"	8	871007PL06	3/4" EK.	1
1007	1"	9	871007PS06	3/4" EK..	1
1007	1"	10	871007PM06	3/4" EK..	1
1007	1"	11	871007PT06	3/4" EK.	1
1007	1"	12	871007PU06	3/4" EK.	1
1007	1"	13	871007PV06	3/4" EK.	1
1007	1"	14	871007PW06	3/4" EK.	1
1007	1"1/4	2	871007DG06	3/4" EK.	1
1007	1"1/4	3	871007DH06	3/4" EK.	1
1007	1"1/4	4	871007DJ06	3/4" EK.	1
1007	1"1/4	5	871007DQ06	3/4" EK..	1
1007	1"1/4	6	871007DK06	3/4" EK..	1
1007	1"1/4	7	871007DR06	3/4" EK.	1
1007	1"1/4	8	871007DL06	3/4" EK.	1
1007	1"1/4	9	871007DS06	3/4" EK.	1
1007	1"1/4	10	871007DM06	3/4" EK.	1
1007	1"1/4	11	871007DT06	3/4" EK.	1
1007	1"1/4	12	871007DU06	3/4" EK.	1
1007	1"1/4	13	871007DV06	3/4" EK.	1
1007	1"1/4	14	871007DW06	3/4" EK.	1

Return manifold with manual valves and valves with thermostatic option. Outlets for 1/2" air vent (art.700) and 1/2" drain cock (art.172). Male outlets. Interaxe: 50 mm.
Suitable for 3/4" Euroconus or M24x1,5 fittings.
Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.




3/4 Euroconus

(see fittings on page 105-107)




ART. 1011

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1011	1"	2	871011PG06	3/4" EK.	1
1011	1"	3	871011PH06	3/4" EK.	1
1011	1"	4	871011PJ06	3/4" EK.	1
1011	1"	5	871011PQ06	3/4" EK.	1
1011	1"	6	871011PK06	3/4" EK.	1
1011	1"	7	871011PR06	3/4" EK.	1
1011	1"	8	871011PL06	3/4" EK.	1
1011	1"	9	871011PS06	3/4" EK.	1
1011	1"	10	871011PM06	3/4" EK.	1
1011	1"	11	871011PT06	3/4" EK.	1
1011	1"	12	871011PU06	3/4" EK.	1
1011	1"	13	871011PV06	3/4" EK.	1
1011	1"	14	871011PW06	3/4" EK.	1
1011	1"1/4	2	871011DG06	3/4" EK.	1
1011	1"1/4	3	871011DH06	3/4" EK.	1
1011	1"1/4	4	871011DJ06	3/4" EK.	1
1011	1"1/4	5	871011DQ06	3/4" EK.	1
1011	1"1/4	6	871011DK06	3/4" EK.	1
1011	1"1/4	7	871011DR06	3/4" EK.	1
1011	1"1/4	8	871011DL06	3/4" EK.	1
1011	1"1/4	9	871011DS06	3/4" EK.	1
1011	1"1/4	10	871011DM06	3/4" EK.	1
1011	1"1/4	11	871011DT06	3/4" EK.	1
1011	1"1/4	12	871011DU06	3/4" EK.	1
1011	1"1/4	13	871011DV06	3/4" EK.	1
1011	1"1/4	14	871011DW06	3/4" EK.	1

Delivery manifold with micrometric regulation lockshields. Outlets for 1/2" air vent (art.700) and 1/2" drain cock (art.172). Male outlets. Interaxe: 50 mm. **Suitable for 3/4" Euroconus or M24x1,5 fittings.**




ART. 1015

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1015	1"	2	871015PG06	3/4" EK.	1
1015	1"	3	871015PH06	3/4" EK.	1
1015	1"	4	871015PJ06	3/4" EK.	1
1015	1"	5	871015PQ06	3/4" EK.	1
1015	1"	6	871015PK06	3/4" EK.	1
1015	1"	7	871015PR06	3/4" EK.	1
1015	1"	8	871015PL06	3/4" EK.	1
1015	1"	9	871015PS06	3/4" EK.	1
1015	1"	10	871015PM06	3/4" EK.	1
1015	1"	11	871015PT06	3/4" EK.	1
1015	1"	12	871015PU06	3/4" EK.	1
1015	1"	13	871015PV06	3/4" EK.	1
1015	1"	14	871015PW06	3/4" EK.	1
1015	1"1/4	2	871015DQ06	3/4" EK.	1
1015	1"1/4	3	871015DH06	3/4" EK.	1
1015	1"1/4	4	871015DJ06	3/4" EK.	1
1015	1"1/4	5	871015DQ06	3/4" EK.	1
1015	1"1/4	6	871015DK06	3/4" EK.	1
1015	1"1/4	7	871015DR06	3/4" EK.	1
1015	1"1/4	8	871015DL06	3/4" EK.	1
1015	1"1/4	9	871015DS06	3/4" EK.	1
1015	1"1/4	10	871015DM06	3/4" EK.	1
1015	1"1/4	11	871015DT06	3/4" EK.	1
1015	1"1/4	12	871015DU06	3/4" EK.	1
1015	1"1/4	13	871015DV06	3/4" EK.	1
1015	1"1/4	14	871015DW06	3/4" EK.	1

Delivery manifold with flowmeters. Outlets for 1/2" air vent (art.700) and 1/2" drain cock (art.172). Male outlets. Interaxe: 50 mm. **Suitable for 3/4" Euroconus or M24x1,5 fittings.**

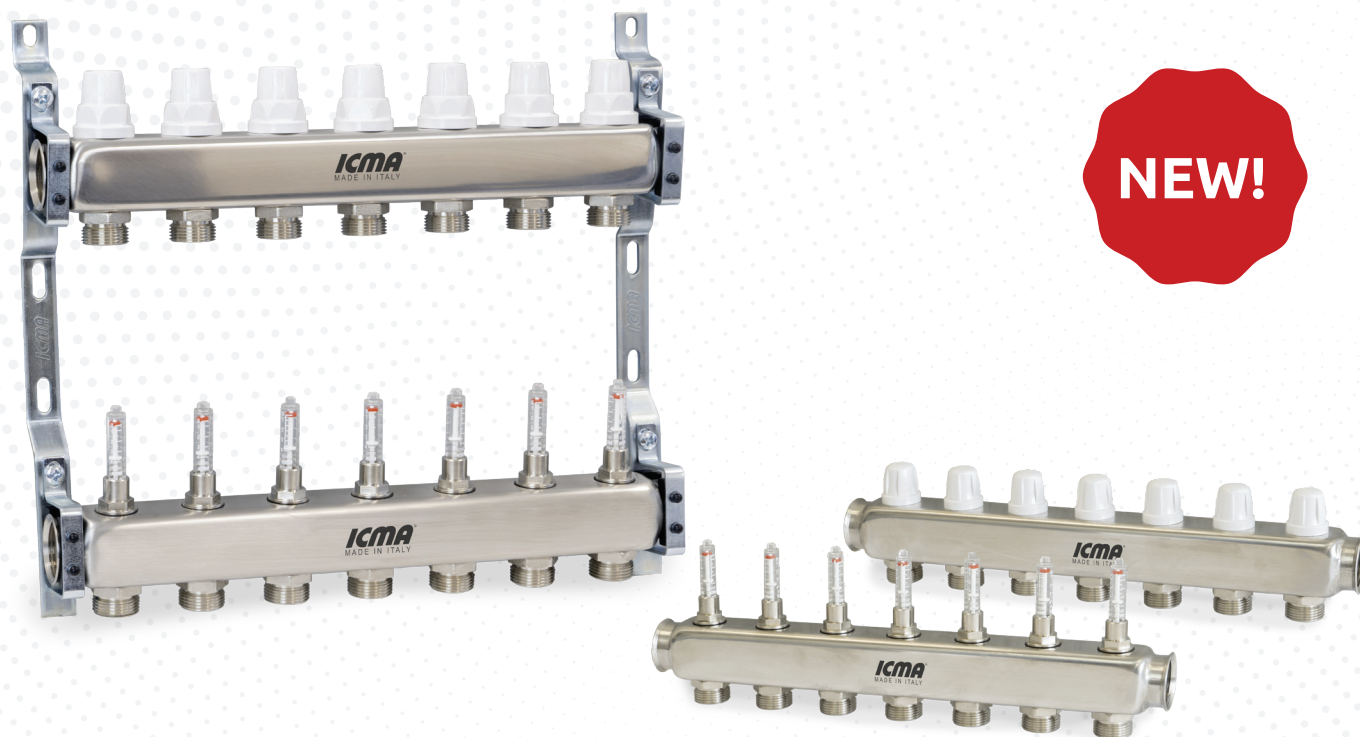


ART. 177

ART.	HEAD CONNECT.	CODE EUROCONUS	
177	1"	87177AF66	1
177	1"1/4	87177AG66	1

Insulators for 1" and 1"1/4 manifolds. For manifolds 1" up to 12 outlets, for manifolds 1"1/4 up to 15 outlets. The insulators can be cut, to insulate the manifolds carrying a lower outlet number. **Holes on both sides** with 50 mm interaxe.

STAINLESS STEEL MANIFOLDS

**DESCRIPTION**

Pre-assembled G1" and G1"1/4 stainless steel manifolds for the distribution of heat transfer fluid in sanitary, heating and cooling systems.

Available from 2 to 15 outlets with flowmeters, thermostatic headworks and lockshields.

Kits can be configured with brackets art. 208, 208L or 1300.

TECHNICAL FEATURES

Working fluid: Water and glycol solutions

Maximum operating pressure: 6 bar (10 bar for system testing)

Fluid temperature range: 5 ÷ 80 °C

- Maximum working temperature: 80 °C
- Minimum working temperature: 5 °C

Manifold dimensions: G1" - G1"1/4

Flowmeters scale:

- for manifolds G1": 0 ÷ 4 l/min
- for manifolds G1" with TACONOVA flowmeters: 0 ÷ 5 l/min
- for manifolds G1"1/4: 0 ÷ 8 l/min

Derivations connections: G3/4" - M24x1.5

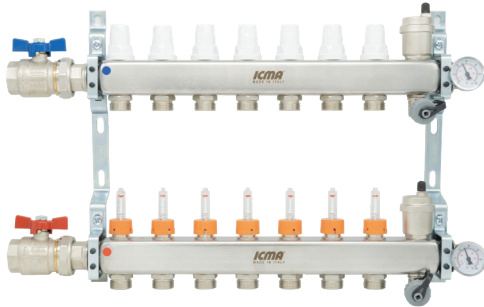
Derivations center distance: 50 mm

STRENGTHS

The manifold tilts around its own axis to facilitate pipe fitting.

3/4 Euroconus

(see fittings on page 105-107)




MEMORY PLUS FLOWMETERS

M28 x 1,5 CONNECTION THREAD



ART. K069

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 196
K069	1"	2	87K069PG32	3/4" EK.	1	285 mm	500 mm
K069	1"	3	87K069PH32	3/4" EK.	1	335 mm	500 mm
K069	1"	4	87K069PJ32	3/4" EK.	1	385 mm	500 mm
K069	1"	5	87K069PK32	3/4" EK.	1	435 mm	700 mm
K069	1"	6	87K069PL32	3/4" EK.	1	485 mm	700 mm
K069	1"	7	87K069PM32	3/4" EK.	1	535 mm	700 mm
K069	1"	8	87K069PQ32	3/4" EK.	1	585 mm	700 mm
K069	1"	9	87K069PR32	3/4" EK.	1	635 mm	850 mm
K069	1"	10	87K069PS32	3/4" EK.	1	685 mm	850 mm
K069	1"	11	87K069PT32	3/4" EK.	1	735 mm	850 mm
K069	1"	12	87K069PU32	3/4" EK.	1	785 mm	1000 mm
K069	1"	13	87K069PV32	3/4" EK.	1	835 mm	1000 mm
K069	1"	14	87K069PW32	3/4" EK.	1	885 mm	1200 mm

Stainless Steel Manifolds kit with **ICMA Memory Plus flowmeters** and valves with thermostatic option. It includes: 2 ball valves (art. 215) connection to the ball valve with gasket with flat seat and o-ring, N° 2 brackets (art.208) with anti-vibration supports, N° 2 3/8" automatic air vents (art. 700), N° 2 1/2" drain cocks (art. 172), N° 2 1" thermometer caps with o-ring (art.185), N° 2 0-60° thermometers (art.206). **Suitable for 3/4" Euroconus. Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.**



The Memory Plus flow meters allow the circuit flow rate setting to be locked. Closing the flow meter does not cancel the setting. Once reopened, the flow returns to the previously set value.

3/4 Euroconus


(see fittings on page 105-107)



M28 x 1,5 CONNECTION THREAD



ART. K071

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGTH
K071	1"	2	87K071PG32	3/4" EK.	1	125 mm
K071	1"	3	87K071PH32	3/4" EK.	1	175 mm
K071	1"	4	87K071PJ32	3/4" EK.	1	225 mm
K071	1"	5	87K071PQ32	3/4" EK.	1	275 mm
K071	1"	6	87K071PK32	3/4" EK.	1	325 mm
K071	1"	7	87K071PR32	3/4" EK.	1	375 mm
K071	1"	8	87K071PL32	3/4" EK.	1	425 mm
K071	1"	9	87K071PS32	3/4" EK.	1	475 mm
K071	1"	10	87K071PM32	3/4" EK.	1	525 mm
K071	1"	11	87K071PT32	3/4" EK.	1	575 mm
K071	1"	12	87K071PU32	3/4" EK.	1	625 mm
K071	1"	13	87K071PV32	3/4" EK.	1	675 mm
K071	1"	14	87K071PW32	3/4" EK.	1	725 mm
K071	1"	15	87K071PY32	3/4" EK.	1	775 mm
K071	1"1/4	2	87K071DG32	3/4" EK.	1	125 mm
K071	1"1/4	3	87K071DH32	3/4" EK.	1	175 mm
K071	1"1/4	4	87K071DJ32	3/4" EK.	1	225 mm
K071	1"1/4	5	87K071DQ32	3/4" EK.	1	275 mm
K071	1"1/4	6	87K071DK32	3/4" EK.	1	325 mm
K071	1"1/4	7	87K071DR32	3/4" EK.	1	375 mm
K071	1"1/4	8	87K071DL32	3/4" EK.	1	425 mm
K071	1"1/4	9	87K071DS32	3/4" EK.	1	475 mm
K071	1"1/4	10	87K071DM32	3/4" EK.	1	525 mm
K071	1"1/4	11	87K071DT32	3/4" EK.	1	575 mm
K071	1"1/4	12	87K071DU32	3/4" EK.	1	625 mm
K071	1"1/4	13	87K071DV32	3/4" EK.	1	675 mm
K071	1"1/4	14	87K071DW32	3/4" EK.	1	725 mm
K071	1"1/4	15	87K071DY32	3/4" EK.	1	775 mm

Stainless Steel Manifolds unit with adjustment lockshields and valves with thermostatic option. It includes N° 2 brackets with anti-vibration supports (art.208).

Suitable for 3/4" Euroconus.

Compatible with electrothermic actuators with 28x1,5 connection thread.

- FOR TEMPERATURE SETTING SEE CHAPTER D PAGE 124
 - FOR MANIFOLD ACCESSORIES SEE CHAPTER B8 PAGE 101

3/4 Euroconus


(see fittings on page 105-107)



M30 x 1,5 CONNECTION THREAD



ART. K072 208L

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT
K072 208L	1"	2	87K072PG32 208L	3/4" EK.	1	125 mm
K072 208L	1"	3	87K072PH32 208L	3/4" EK.	1	175 mm
K072 208L	1"	4	87K072PJ32 208L	3/4" EK.	1	225 mm
K072 208L	1"	5	87K072PQ32 208L	3/4" EK.	1	275 mm
K072 208L	1"	6	87K072PK32 208L	3/4" EK.	1	325 mm
K072 208L	1"	7	87K072PR32 208L	3/4" EK.	1	375 mm
K072 208L	1"	8	87K072PL32 208L	3/4" EK.	1	425 mm
K072 208L	1"	9	87K072PS32 208L	3/4" EK.	1	475 mm
K072 208L	1"	10	87K072PM32 208L	3/4" EK.	1	525 mm
K072 208L	1"	11	87K072PT32 208L	3/4" EK.	1	575 mm
K072 208L	1"	12	87K072PU32 208L	3/4" EK.	1	625 mm
K072 208L	1"	13	87K072PV32 208L	3/4" EK.	1	675 mm
K072 208L	1"	14	87K072PW32 208L	3/4" EK.	1	725 mm
K072 208L	1"	15	87K072PY32 208L	3/4" EK.	1	775 mm

Stainless steel manifold kit with manual/thermostatic regulation and shutoff. It includes N° 2 fixing brackets (art. 208L for installation in cabinets with a depth of 110 mm or for surface mounting) with anti-vibration seals. **Suitable for 3/4" Euroconus. Compatible with thermostatic and electrothermic actuators with 30x1,5. Suitable for electrothermal actuators ICMA M30, Innoakt INN920066PL, Taconova NOVADRIVE 257.2855.000, Taconova TOPDRIVE 257.2055.000, Caleffi 656102 (4 wires), Siemens STA321.65L10, Imi hydronic Emo-t and Intellisys MCA230 (4 wires), Danfoss 088H3220.**
Not compatible with cabinet art. 196

3/4 Euroconus


(see fittings on page 105-107)



M28 x 1,5 CONNECTION THREAD



ART. K073

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 196	CABINET RECOMMENDED ART. 197	
K073	1"	2	87K073PG32	3/4" EK.	1	125 mm	500 mm		
K073	1"	3	87K073PH32	3/4" EK.	1	175 mm	500 mm		
K073	1"	4	87K073PJ32	3/4" EK.	1	225 mm	500 mm		
K073	1"	5	87K073PQ32	3/4" EK.	1	275 mm	700 mm		
K073	1"	6	87K073PK32	3/4" EK.	1	325 mm	700 mm		
K073	1"	7	87K073PR32	3/4" EK.	1	375 mm	700 mm		
K073	1"	8	87K073PL32	3/4" EK.	1	425 mm	700 mm		
K073	1"	9	87K073PS32	3/4" EK.	1	475 mm	850 mm		
K073	1"	10	87K073PM32	3/4" EK.	1	525 mm	850 mm		
K073	1"	11	87K073PT32	3/4" EK.	1	575 mm	850 mm		
K073	1"	12	87K073PU32	3/4" EK.	1	625 mm	1000 mm		
K073	1"	13	87K073PV32	3/4" EK.	1	675 mm	1000 mm		
K073	1"	14	87K073PW32	3/4" EK.	1	725 mm	1000 mm		
K073	1"	15	87K073PY32	3/4" EK.	1	775 mm	1000 mm		
K073	1"1/4	2	87K073DG32	3/4" EK.	1	125 mm		600 mm	
K073	1"1/4	3	87K073DH32	3/4" EK.	1	175 mm		600 mm	
K073	1"1/4	4	87K073DJ32	3/4" EK.	1	225 mm		600 mm	
K073	1"1/4	5	87K073DQ32	3/4" EK.	1	275 mm		700 mm	
K073	1"1/4	6	87K073DK32	3/4" EK.	1	325 mm		700 mm	
K073	1"1/4	7	87K073DR32	3/4" EK.	1	375 mm		700 mm	
K073	1"1/4	8	87K073DL32	3/4" EK.	1	425 mm		700 mm	
K073	1"1/4	9	87K073DS32	3/4" EK.	1	475 mm		850 mm	
K073	1"1/4	10	87K073DM32	3/4" EK.	1	525 mm		850 mm	
K073	1"1/4	11	87K073DT32	3/4" EK.	1	575 mm		850 mm	
K073	1"1/4	12	87K073DU32	3/4" EK.	1	625 mm		1000 mm	
K073	1"1/4	13	87K073DV32	3/4" EK.	1	675 mm		1000 mm	
K073	1"1/4	14	87K073DW32	3/4" EK.	1	725 mm		1000 mm	
K073	1"1/4	15	87K073DY32	3/4" EK.	1	775 mm		1000 mm	

Stainless Steel Manifolds unit with ICMA memory Flowmeters and valves with thermostatic option. It includes: N° 2 fixing brackets with antivibration supports (art.208). The flow regulators allow to close and regulate the flow.

Suitable for 3/4" Euroconus.

Compatible with electrothermic actuators with 28x1,5 connection thread.

- FOR TEMPERATURE SETTING SEE CHAPTER D PAGE 124
 - FOR MANIFOLD ACCESSORIES SEE CHAPTER B8 PAGE 101

3/4 Euroconus


(see fittings on page 105-107)



M28 x 1,5 CONNECTION THREAD



ART. K073 INV

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 196
K073 INV	1"	2	87K073PG32INV	3/4" EK.	1	125 mm	500 mm
K073 INV	1"	3	87K073PH32INV	3/4" EK.	1	175 mm	500 mm
K073 INV	1"	4	87K073PJ32INV	3/4" EK.	1	225 mm	500 mm
K073 INV	1"	5	87K073PQ32INV	3/4" EK.	1	275 mm	700 mm
K073 INV	1"	6	87K073PK32INV	3/4" EK.	1	325 mm	700 mm
K073 INV	1"	7	87K073PR32INV	3/4" EK.	1	375 mm	700 mm
K073 INV	1"	8	87K073PL32INV	3/4" EK.	1	425 mm	700 mm
K073 INV	1"	9	87K073PS32INV	3/4" EK.	1	475 mm	850 mm
K073 INV	1"	10	87K073PM32INV	3/4" EK.	1	525 mm	850 mm
K073 INV	1"	11	87K073PT32INV	3/4" EK.	1	575 mm	850 mm
K073 INV	1"	12	87K073PU32INV	3/4" EK.	1	625 mm	1000 mm
K073 INV	1"	13	87K073PV32INV	3/4" EK.	1	675 mm	1000 mm
K073 INV	1"	14	87K073PW32INV	3/4" EK.	1	725 mm	1000 mm
K073 INV	1"	15	87K073PY32INV	3/4" EK.	1	775 mm	1000 mm

Stainless steel manifold kit with manual/thermostatic regulation and shutoff and flow regulators. The flow regulators allow to close and regulate the flow. It includes: N° 2 fixing brackets (art.208) with anti-vibration seals. Suitable for 3/4" Euroconus fittings. **Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.**



M28 x 1,5 CONNECTION THREAD

3/4 Euroconus

(see fittings on page 106-107)



ART. K073179 208L

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 196
K073179 208L	1"	2	87K073179PG32L	3/4" EK.	1	285 mm	500 mm
K073179 208L	1"	3	87K073179PH32L	3/4" EK.	1	335 mm	500 mm
K073179 208L	1"	4	87K073179PJ32L	3/4" EK.	1	385 mm	500 mm
K073179 208L	1"	5	87K073179PQ32L	3/4" EK.	1	435 mm	700 mm
K073179 208L	1"	6	87K073179PK32L	3/4" EK.	1	485 mm	700 mm
K073179 208L	1"	7	87K073179PR32L	3/4" EK.	1	535 mm	700 mm
K073179 208L	1"	8	87K073179PL32L	3/4" EK.	1	585 mm	700 mm
K073179 208L	1"	9	87K073179PS32L	3/4" EK.	1	635 mm	850 mm
K073179 208L	1"	10	87K073179PM32L	3/4" EK.	1	685 mm	850 mm
K073179 208L	1"	11	87K073179PT32L	3/4" EK.	1	735 mm	850 mm
K073179 208L	1"	12	87K073179PU32L	3/4" EK.	1	785 mm	1000 mm
K073179 208L	1"	13	87K073179PV32L	3/4" EK.	1	835 mm	1000 mm
K073179 208L	1"	14	87K073179PW32L	3/4" EK.	1	885 mm	1000 mm
K073179 208L	1"	15	87K073179PY32L	3/4" EK.	1	935 mm	1000 mm

Stainless Steel Manifolds unit with **TACONOVA** memory flowmeters and valves with thermostatic option. It includes N° 2 fixing brackets (art. 208L for installation in cabinets with a depth of 110 mm or for surface mounting) with anti-vibration seals. **Suitable for 3/4" Euroconus. Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread. Not compatible with cabinet art. 196.**



M28 x 1,5 CONNECTION THREAD



ART. K073179 QU

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 196
K073179 QU	1"	2	87K073179PG32QU	3/4" EK.	1	285 mm	500 mm
K073179 QU	1"	3	87K073179PH32QU	3/4" EK.	1	335 mm	500 mm
K073179 QU	1"	4	87K073179PJ32QU	3/4" EK.	1	385 mm	500 mm
K073179 QU	1"	5	87K073179PQ32QU	3/4" EK.	1	435 mm	700 mm
K073179 QU	1"	6	87K073179PK32QU	3/4" EK.	1	485 mm	700 mm
K073179 QU	1"	7	87K073179PR32QU	3/4" EK.	1	535 mm	700 mm
K073179 QU	1"	8	87K073179PL32QU	3/4" EK.	1	585 mm	700 mm
K073179 QU	1"	9	87K073179PS32QU	3/4" EK.	1	635 mm	850 mm
K073179 QU	1"	10	87K073179PM32QU	3/4" EK.	1	685 mm	850 mm
K073179 QU	1"	11	87K073179PT32QU	3/4" EK.	1	735 mm	850 mm
K073179 QU	1"	12	87K073179PU32QU	3/4" EK.	1	785 mm	1000 mm
K073179 QU	1"	13	87K073179PV32QU	3/4" EK.	1	835 mm	1000 mm
K073179 QU	1"	14	87K073179PW32QU	3/4" EK.	1	885 mm	1000 mm
K073179 QU	1"	15	87K073179PY32QU	3/4" EK.	1	935 mm	1000 mm

Stainless Steel Manifolds unit with **TACONOVA** memory flowmeters and valves with thermostatic option. It includes N° 2 fixing brackets (art. 1300) with anti-vibration seals. **Suitable for 3/4" Euroconus. Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.**

FIXED POINT REGULATION MANIFOLDS FOR UNDERFLOOR HEATING SYSTEMS WITH LOW AND HIGH TEMPERATURE

B5

3/4 Euroconus

(see fittings on page 106-107)



M30 x 1,5 CONNECTION THREAD



ART. K074

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 196
K074	1"	2	87K074PG32	3/4" EK.	1	125 mm	500 mm
K074	1"	3	87K074PH32	3/4" EK.	1	175 mm	500 mm
K074	1"	4	87K074PJ32	3/4" EK.	1	225 mm	500 mm
K074	1"	5	87K074PQ32	3/4" EK.	1	275 mm	700 mm
K074	1"	6	87K074PK32	3/4" EK.	1	325 mm	700 mm
K074	1"	7	87K074PR32	3/4" EK.	1	375 mm	700 mm
K074	1"	8	87K074PL32	3/4" EK.	1	425 mm	700 mm
K074	1"	9	87K074PS32	3/4" EK.	1	475 mm	850 mm
K074	1"	10	87K074PM32	3/4" EK.	1	525 mm	850 mm
K074	1"	11	87K074PT32	3/4" EK.	1	575 mm	850 mm
K074	1"	12	87K074PU32	3/4" EK.	1	625 mm	1000 mm
K074	1"	13	87K074PV32	3/4" EK.	1	675 mm	1000 mm
K074	1"	14	87K074PW32	3/4" EK.	1	725 mm	1000 mm
K074	1"	15	87K074PY32	3/4" EK.	1	775 mm	1000 mm

Stainless steel manifold kit with manual/thermostatic regulation and shutoff and flow regulators. The flow regulators allow to close and regulate the flow. It includes: N° 2 fixing brackets (art.208) with anti-vibration seals. Suitable for 3/4" Euroconus fittings. **Compatible with thermostatic and electrothermic actuators with 30x1,5. Suitable for electrothermal actuators ICMA M30, Innoakt INN920066PL, Taconova NOVADRIVE 257.2855.000, Taconova TOPDRIVE 257.2055.000, Caleffi 656102 (4 wires), Siemens STA321.65L10, Imi hydronic Emo-t and Intellisys MCA230 (4 wires), Danfoss 088H3220.**



M30 x 1,5 CONNECTION THREAD



ART. K074 208L

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 196
K074 208L	1"	2	87K074PG32 208L	3/4" EK.	1	125 mm	500 mm
K074 208L	1"	3	87K074PH32 208L	3/4" EK.	1	175 mm	500 mm
K074 208L	1"	4	87K074PJ32 208L	3/4" EK.	1	225 mm	500 mm
K074 208L	1"	5	87K074PQ32 208L	3/4" EK.	1	275 mm	700 mm
K074 208L	1"	6	87K074PK32 208L	3/4" EK.	1	325 mm	700 mm
K074 208L	1"	7	87K074PR32 208L	3/4" EK.	1	375 mm	700 mm
K074 208L	1"	8	87K074PL32 208L	3/4" EK.	1	425 mm	700 mm
K074 208L	1"	9	87K074PS32 208L	3/4" EK.	1	475 mm	850 mm
K074 208L	1"	10	87K074PM32 208L	3/4" EK.	1	525 mm	850 mm
K074 208L	1"	11	87K074PT32 208L	3/4" EK.	1	575 mm	850 mm
K074 208L	1"	12	87K074PU32 208L	3/4" EK.	1	625 mm	1000 mm
K074 208L	1"	13	87K074PV32 208L	3/4" EK.	1	675 mm	1000 mm
K074 208L	1"	14	87K074PW32 208L	3/4" EK.	1	725 mm	1000 mm
K074 208L	1"	15	87K074PY32 208L	3/4" EK.	1	775 mm	1000 mm

Stainless steel manifold kit with manual/thermostatic regulation and shutoff and flow regulators. The flow regulators allow to close and regulate the flow. It includes: N° 2 fixing brackets (art. 208L for installation in cabinets with a depth of 110 mm or for surface mounting) with anti-vibration seals. Suitable for 3/4" Euroconus fittings. **Compatible with thermostatic and electrothermic actuators with 30x1,5. Suitable for electrothermal actuators ICMA M30, Innoakt INN920066PL, Taconova NOVADRIVE 257.2855.000, Taconova TOPDRIVE 257.2055.000, Caleffi 656102 (4 wires), Siemens STA321.65L10, Imi hydronic Emo-t and Intellisys MCA230 (4 wires), Danfoss 088H3220.**

- FOR TEMPERATURE SETTING SEE CHAPTER D PAGE 124
 - FOR MANIFOLD ACCESSORIES SEE CHAPTER B8 PAGE 101

3/4 Euroconus


(see fittings on page 105-107)



M30 x 1,5 CONNECTION THREAD



ART. K074179 208L

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 197
K074179 208L	1"	2	87K074179PG32L	3/4" EK.	1	285 mm	500 mm
K074179 208L	1"	3	87K074179PH32L	3/4" EK.	1	335 mm	500 mm
K074179 208L	1"	4	87K074179PJ32L	3/4" EK.	1	385 mm	500 mm
K074179 208L	1"	5	87K074179PQ32L	3/4" EK.	1	435 mm	700 mm
K074179 208L	1"	6	87K074179PK32L	3/4" EK.	1	485 mm	700 mm
K074179 208L	1"	7	87K074179PR32L	3/4" EK.	1	535 mm	700 mm
K074179 208L	1"	8	87K074179PL32L	3/4" EK.	1	585 mm	700 mm
K074179 208L	1"	9	87K074179PS32L	3/4" EK.	1	635 mm	850 mm
K074179 208L	1"	10	87K074179PM32L	3/4" EK.	1	685 mm	850 mm
K074179 208L	1"	11	87K074179PT32L	3/4" EK.	1	735 mm	850 mm
K074179 208L	1"	12	87K074179PU32L	3/4" EK.	1	785 mm	1000 mm
K074179 208L	1"	13	87K074179PV32L	3/4" EK.	1	835 mm	1000 mm
K074179 208L	1"	14	87K074179PW32L	3/4" EK.	1	885 mm	1000 mm
K074179 208L	1"	15	87K074179PY32L	3/4" EK.	1	935 mm	1000 mm

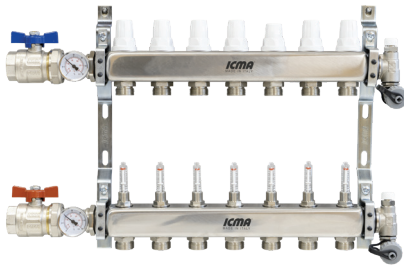
Stainless Steel Manifolds unit with **TACONOVA** memory **Flowmeters** and valves with thermostatic option.

It includes N° 2 fixing brackets (art. 208L for installation in cabinets with a depth of 110 mm or for surface mounting) with anti-vibration seals. Suitable for 3/4" Euroconus fittings. **Compatible with thermostatic and electrothermic actuators with 30x1,5. Suitable for electrothermal actuators ICMA M30, Innoakt INN920066PL, Taconova NOVADRIVE 257.2855.000, Taconova TOPDRIVE 257.2055.000, Caleffi 656102 (4 wires), Siemens STA321.65L10, Imi hydronic Emo-t and Intellisys MCA230 (4 wires), Danfoss 088H3220.**

Not compatible with cabinet art. 196.

FIXED POINT REGULATION MANIFOLDS FOR UNDERFLOOR HEATING SYSTEMS WITH LOW AND HIGH TEMPERATURE

B5



3/4 Euroconus

(see fittings on page 105-107)

M28 x 1,5 CONNECTION THREAD

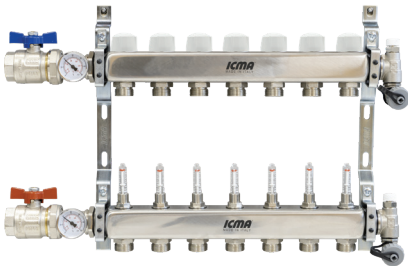


ART. K075

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 196
K075	1"	2	87K075PG32	3/4" EK.	1	285 mm	500 mm
K075	1"	3	87K075PH32	3/4" EK.	1	335 mm	500 mm
K075	1"	4	87K075PJ32	3/4" EK.	1	385 mm	500 mm
K075	1"	5	87K075PQ32	3/4" EK.	1	435 mm	700 mm
K075	1"	6	87K075PK32	3/4" EK.	1	485 mm	700 mm
K075	1"	7	87K075PR32	3/4" EK.	1	535 mm	700 mm
K075	1"	8	87K075PL32	3/4" EK.	1	585 mm	700 mm
K075	1"	9	87K075PS32	3/4" EK.	1	635 mm	850 mm
K075	1"	10	87K075PM32	3/4" EK.	1	685 mm	850 mm
K075	1"	11	87K075PT32	3/4" EK.	1	735 mm	850 mm
K075	1"	12	87K075PU32	3/4" EK.	1	785 mm	1000 mm
K075	1"	13	87K075PV32	3/4" EK.	1	835 mm	1000 mm
K075	1"	14	87K075PW32	3/4" EK.	1	885 mm	1200 mm
K075	1"	15	87K075PY32	3/4" EK.	1	935 mm	1200 mm

Stainless Steel Manifolds unit with ICMA memory flowmeters and valves with thermostatic option.

It includes: N° 2 ball valves (art. 216), connection to the ball valve with gasket with flat seat and o-ring, N° 2 brackets (art.208) with anti-vibration supports , N° 2 3/8" manual air vents (art. 701), N° 2 1/2" drain cocks (art. 172). **Suitable for 3/4" Euroconus. Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.**



M30 x 1,5 CONNECTION THREAD



ART. K076

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 196
K076	1"	2	87K076PG32	3/4" EK.	1	285 mm	500 mm
K076	1"	3	87K076PH32	3/4" EK.	1	335 mm	500 mm
K076	1"	4	87K076PJ32	3/4" EK.	1	385 mm	500 mm
K076	1"	5	87K076PQ32	3/4" EK.	1	435 mm	700 mm
K076	1"	6	87K076PK32	3/4" EK.	1	485 mm	700 mm
K076	1"	7	87K076PR32	3/4" EK.	1	535 mm	700 mm
K076	1"	8	87K076PL32	3/4" EK.	1	585 mm	700 mm
K076	1"	9	87K076PS32	3/4" EK.	1	635 mm	850 mm
K076	1"	10	87K076PM32	3/4" EK.	1	685 mm	850 mm
K076	1"	11	87K076PT32	3/4" EK.	1	735 mm	850 mm
K076	1"	12	87K076PU32	3/4" EK.	1	785 mm	1000 mm
K076	1"	13	87K076PV32	3/4" EK.	1	835 mm	1000 mm
K076	1"	14	87K076PW32	3/4" EK.	1	885 mm	1200 mm
K076	1"	15	87K076PY32	3/4" EK.	1	935 mm	1200 mm

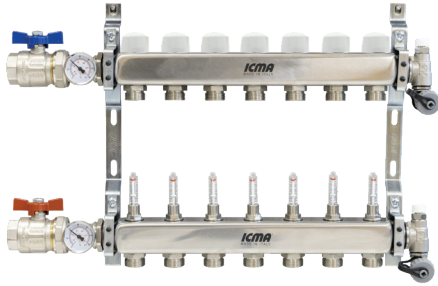
Stainless Steel Manifolds unit with ICMA memory flowmeters and valves with thermostatic option.

It includes: N° 2 ball valves (art. 216), connection to the ball valve with gasket with flat seat and o-ring, N° 2 brackets (art.208) with anti-vibration supports , N° 2 3/8" manual air vents (art. 701), N° 2 1/2" drain cocks (art. 172). **Compatible with thermostatic and electrothermic actuators with 30x1,5. Suitable for electrothermal actuators ICMA M30, Innoakt INN920066PL, Taconova NOVADRIVE 257.2855.000, Taconova TOPDRIVE 257.2055.000, Caleffi 656102 (4 wires), Siemens STA321.65L10, lmi hydronic Emo-t and Intellisys MCA230 (4 wires), Danfoss 088H3220.**

- FOR TEMPERATURE SETTING SEE CHAPTER D PAGE 124
- FOR MANIFOLD ACCESSORIES SEE CHAPTER B8 PAGE 101

3/4 Euroconus


(see fittings on page 105-107)



M30 x 1,5 CONNECTION THREAD



ART. K076 208L

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGTH	CABINET RECOMMENDED ART. 197
K076 208L	1"	2	87K076PG32 208L	3/4" EK.	1	285 mm	500 mm
K076 208L	1"	3	87K076PH32 208L	3/4" EK.	1	335 mm	500 mm
K076 208L	1"	4	87K076PJ32 208L	3/4" EK.	1	385 mm	500 mm
K076 208L	1"	5	87K076PQ32 208L	3/4" EK.	1	435 mm	700 mm
K076 208L	1"	6	87K076PK32 208L	3/4" EK.	1	485 mm	700 mm
K076 208L	1"	7	87K076PR32 208L	3/4" EK.	1	535 mm	700 mm
K076 208L	1"	8	87K076PL32 208L	3/4" EK.	1	585 mm	700 mm
K076 208L	1"	9	87K076PS32 208L	3/4" EK.	1	635 mm	850 mm
K076 208L	1"	10	87K076PM32 208L	3/4" EK.	1	685 mm	850 mm
K076 208L	1"	11	87K076PT32 208L	3/4" EK.	1	735 mm	850 mm
K076 208L	1"	12	87K076PU32 208L	3/4" EK.	1	785 mm	1000 mm
K076 208L	1"	13	87K076PV32 208L	3/4" EK.	1	835 mm	1000 mm
K076 208L	1"	14	87K076PW32 208L	3/4" EK.	1	885 mm	1200 mm
K076 208L	1"	15	87K076PY32 208L	3/4" EK.	1	935 mm	1200 mm

Stainless Steel Manifolds unit with ICMA memory flowmeters and valves with thermostatic option. It includes: N° 2 ball valves (art. 216), connection to the ball valve with gasket with flat seat and o-ring, N° 2 brackets (art. 208L for installation in cabinets with a depth of 110 mm or for surface mounting) with anti-vibration supports, N° 2 3/8" manual air vents (art. 701), N° 2 1/2" drain cocks (art. 172). **Compatible with thermostatic and electrothermic actuators with 30x1,5. Suitable for electrothermal actuators ICMA M30, Innoakt INN920066PL, Taconova NOVADRIVE 257.2855.000, Taconova TOPDRIVE 257.2055.000, Caleffi 656102 (4 wires), Siemens STA321.65L10, Imi hydronic Emo-t and Intellisys MCA230 (4 wires), Danfoss 088H3220.**

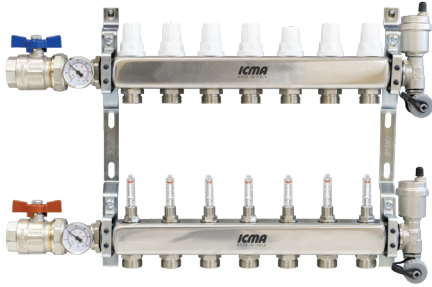
Not compatible with cabinet art. 196.

FIXED POINT REGULATION MANIFOLDS FOR UNDERFLOOR HEATING SYSTEMS WITH LOW AND HIGH TEMPERATURE

B5

3/4 Euroconus


(see fittings on page 105-107)



M28 x 1,5 CONNECTION THREAD



ART. K077

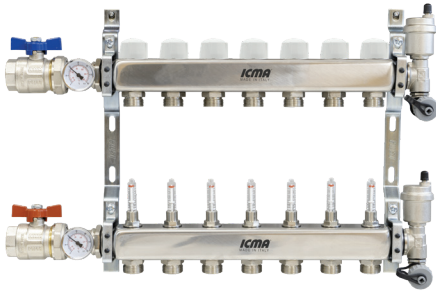
ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGTH	CABINET RECOMMENDED ART. 196	CABINET RECOMMENDED ART. 197	
K077	1"	2	87K077PG32	3/4" EK.	1	285 mm	500 mm		
K077	1"	3	87K077PH32	3/4" EK.	1	335 mm	500 mm		
K077	1"	4	87K077PJ32	3/4" EK.	1	385 mm	500 mm		
K077	1"	5	87K077PQ32	3/4" EK.	1	435 mm	700 mm		
K077	1"	6	87K077PK32	3/4" EK.	1	485 mm	700 mm		
K077	1"	7	87K077PR32	3/4" EK.	1	535 mm	700 mm		
K077	1"	8	87K077PL32	3/4" EK.	1	585 mm	700 mm		
K077	1"	9	87K077PS32	3/4" EK.	1	635 mm	850 mm		
K077	1"	10	87K077PM32	3/4" EK.	1	685 mm	850 mm		
K077	1"	11	87K077PT32	3/4" EK.	1	735 mm	850 mm		
K077	1"	12	87K077PU32	3/4" EK.	1	785 mm	1000 mm		
K077	1"	13	87K077PV32	3/4" EK.	1	835 mm	1000 mm		
K077	1"	14	87K077PW32	3/4" EK.	1	885 mm	1200 mm		
K077	1"	15	87K077PY32	3/4" EK.	1	935 mm	1200 mm		
K077	1"1/4	2	87K077DG32	3/4" EK.	1	300 mm		600 mm	
K077	1"1/4	3	87K077DH32	3/4" EK.	1	350 mm		600 mm	
K077	1"1/4	4	87K077DJ32	3/4" EK.	1	400 mm		600 mm	
K077	1"1/4	5	87K077DQ32	3/4" EK.	1	450 mm		700 mm	
K077	1"1/4	6	87K077DK32	3/4" EK.	1	500 mm		700 mm	
K077	1"1/4	7	87K077DR32	3/4" EK.	1	550 mm		700 mm	
K077	1"1/4	8	87K077DL32	3/4" EK.	1	600 mm		700 mm	
K077	1"1/4	9	87K077DS32	3/4" EK.	1	650 mm		850 mm	
K077	1"1/4	10	87K077DM32	3/4" EK.	1	700 mm		850 mm	
K077	1"1/4	11	87K077DT32	3/4" EK.	1	750 mm		850 mm	
K077	1"1/4	12	87K077DU32	3/4" EK.	1	800 mm		1000 mm	
K077	1"1/4	13	87K077DV32	3/4" EK.	1	850 mm		1000 mm	
K077	1"1/4	14	87K077DW32	3/4" EK.	1	885 mm		1200 mm	
K077	1"1/4	15	87K077DY32	3/4" EK.	1	935 mm		1200 mm	

Stainless Steel Manifolds unit with ICMA memory flowmeters and valves with thermostatic option.

It includes: N°2 ball valves (art. 216), connection to the ball valve with gasket with flat seat and o-ring, N° 2 brackets (art.208) with anti-vibration supports, N° 2 3/8" automatic air vents (art. 700), N° 2 1/2" drain cocks (art. 172). **Suitable for 3/4" Euroconus. Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.**

3/4 Euroconus


(see fittings on page 105-107)



M30 x 1,5 CONNECTION THREAD



ART. K078

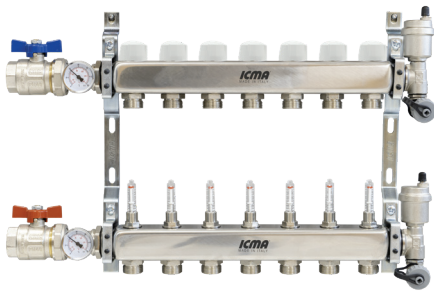
ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 197
K078	1"	2	87K078PG32	3/4" EK.	1	285 mm	500 mm
K078	1"	3	87K078PH32	3/4" EK.	1	335 mm	500 mm
K078	1"	4	87K078PJ32	3/4" EK.	1	385 mm	500 mm
K078	1"	5	87K078PQ32	3/4" EK.	1	435 mm	700 mm
K078	1"	6	87K078PK32	3/4" EK.	1	485 mm	700 mm
K078	1"	7	87K078PR32	3/4" EK.	1	535 mm	700 mm
K078	1"	8	87K078PL32	3/4" EK.	1	585 mm	700 mm
K078	1"	9	87K078PS32	3/4" EK.	1	635 mm	850 mm
K078	1"	10	87K078PM32	3/4" EK.	1	685 mm	850 mm
K078	1"	11	87K078PT32	3/4" EK.	1	735 mm	850 mm
K078	1"	12	87K078PU32	3/4" EK.	1	785 mm	1000 mm
K078	1"	13	87K078PV32	3/4" EK.	1	835 mm	1000 mm
K078	1"	14	87K078PW32	3/4" EK.	1	885 mm	1200 mm
K078	1"	15	87K078PY32	3/4" EK.	1	935 mm	1200 mm

Stainless Steel Manifolds unit with ICMA memory flowmeters and valves with thermostatic option.

It includes: N° 2 ball valves (art. 216), connection to the ball valve with gasket with flat seat and o-ring, N° 2 brackets (art.208) with anti-vibration supports, N° 2 3/8" automatic air vents (art. 700), N° 2 1/2" drain cocks (art. 172). **Compatible with thermostatic and electrothermic actuators with 30x1,5. Suitable for electrothermal actuators ICMA M30, Innoakt INN920066PL, Taconova NOVADRIVE 257.2855.000, Taconova TOPDRIVE 257.2055.000, Caleffi 656102 (4 wires), Siemens STA321.65L10, Imi hydronic Emo-t and Intellisys MCA230 (4 wires), Danfoss 088H3220.**

3/4 Euroconus


(see fittings on page 105-107)



M30 x 1,5 CONNECTION THREAD



ART. K078 208L

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGHT	CABINET RECOMMENDED ART. 197
K078 208L	1"	2	87K078PG32 208L	3/4" EK.	1	285 mm	500 mm
K078 208L	1"	3	87K078PH32 208L	3/4" EK.	1	335 mm	500 mm
K078 208L	1"	4	87K078PJ32 208L	3/4" EK.	1	385 mm	500 mm
K078 208L	1"	5	87K078PQ32 208L	3/4" EK.	1	435 mm	700 mm
K078 208L	1"	6	87K078PK32 208L	3/4" EK.	1	485 mm	700 mm
K078 208L	1"	7	87K078PR32 208L	3/4" EK.	1	535 mm	700 mm
K078 208L	1"	8	87K078PL32 208L	3/4" EK.	1	585 mm	700 mm
K078 208L	1"	9	87K078PS32 208L	3/4" EK.	1	635 mm	850 mm
K078 208L	1"	10	87K078PM32 208L	3/4" EK.	1	685 mm	850 mm
K078 208L	1"	11	87K078PT32 208L	3/4" EK.	1	735 mm	850 mm
K078 208L	1"	12	87K078PU32 208L	3/4" EK.	1	785 mm	1000 mm
K078 208L	1"	13	87K078PV32 208L	3/4" EK.	1	835 mm	1000 mm
K078 208L	1"	14	87K078PW32 208L	3/4" EK.	1	885 mm	1200 mm
K078 208L	1"	15	87K078PY32 208L	3/4" EK.	1	935 mm	1200 mm

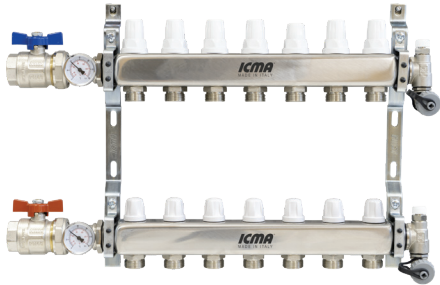
Stainless Steel Manifolds unit with ICMA memory flowmeters and valves with thermostatic option.

It includes: N° 2 ball valves (art. 216), connection to the ball valve with gasket with flat seat and o-ring, N° 2 brackets (art. 208L for installation in cabinets with a depth of 110 mm or for surface mounting) with anti-vibration supports, N° 2 3/8" automatic air vents (art. 700), N° 2 1/2" drain cocks (art. 172). **Compatible with thermostatic and electrothermic actuators with 30x1,5. Suitable for electrothermal actuators ICMA M30, Innoakt INN920066PL, Taconova NOVADRIVE 257.2855.000, Taconova TOPDRIVE 257.2055.000, Caleffi 656102 (4 wires), Siemens STA321.65L10, Imi hydronic Emo-t and Intellisys MCA230 (4 wires), Danfoss 088H3220.**

Not compatible with cabinet art. 196.

3/4 Euroconus


(see fittings on page 105-107)



M28 x 1,5 CONNECTION THREAD



ART. K079

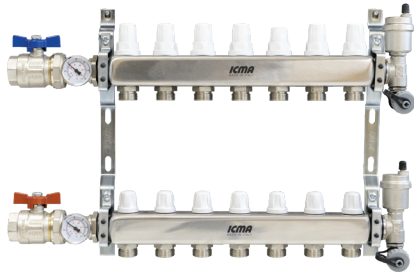
ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGTH	CABINET RECOMMENDED ART. 196	CABINET RECOMMENDED ART. 197
K079	1"	2	87K079PG32	3/4" EK.	1	285 mm	500 mm	
K079	1"	3	87K079PH32	3/4" EK.	1	335 mm	500 mm	
K079	1"	4	87K079PJ32	3/4" EK.	1	385 mm	500 mm	
K079	1"	5	87K079PQ32	3/4" EK.	1	435 mm	700 mm	
K079	1"	6	87K079PK32	3/4" EK.	1	485 mm	700 mm	
K079	1"	7	87K079PR32	3/4" EK.	1	535 mm	700 mm	
K079	1"	8	87K079PL32	3/4" EK.	1	585 mm	700 mm	
K079	1"	9	87K079PS32	3/4" EK.	1	635 mm	850 mm	
K079	1"	10	87K079PM32	3/4" EK.	1	685 mm	850 mm	
K079	1"	11	87K079PT32	3/4" EK.	1	735 mm	850 mm	
K079	1"	12	87K079PU32	3/4" EK.	1	785 mm	1000 mm	
K079	1"	13	87K079PV32	3/4" EK.	1	835 mm	1000 mm	
K079	1"	14	87K079PW32	3/4" EK.	1	885 mm	1200 mm	
K079	1"	15	87K079PY32	3/4" EK.	1	935 mm	1200 mm	

Stainless Steel Manifolds unit with adjustment lockshields and valves with thermostatic option.

It includes: 2 ball valves (art. 216), connection to the ball valve with gasket with flat seat and o-ring, 2 brackets (art.208) with anti-vibration supports, N. 2 3/8" manual air vents (art. 701), 2 1/2" drain cocks (Ns.art.172). **Suitable for 3/4" Euroconus. Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.**

3/4 Euroconus


(see fittings on page 105-107)



M28 x 1,5 CONNECTION THREAD



ART. K081

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD		MANIFOLD TOTAL LENGTH	CABINET RECOMMENDED ART. 196	CABINET RECOMMENDED ART. 197
K081	1"	2	87K081PG32	3/4" EK.	1	285 mm	500 mm	
K081	1"	3	87K081PH32	3/4" EK.	1	335 mm	500 mm	
K081	1"	4	87K081PJ32	3/4" EK.	1	385 mm	500 mm	
K081	1"	5	87K081PQ32	3/4" EK.	1	435 mm	700 mm	
K081	1"	6	87K081PK32	3/4" EK.	1	485 mm	700 mm	
K081	1"	7	87K081PR32	3/4" EK.	1	535 mm	700 mm	
K081	1"	8	87K081PL32	3/4" EK.	1	585 mm	700 mm	
K081	1"	9	87K081PS32	3/4" EK.	1	635 mm	850 mm	
K081	1"	10	87K081PM32	3/4" EK.	1	685 mm	850 mm	
K081	1"	11	87K081PT32	3/4" EK.	1	735 mm	850 mm	
K081	1"	12	87K081PU32	3/4" EK.	1	785 mm	1000 mm	
K081	1"	13	87K081PV32	3/4" EK.	1	835 mm	1000 mm	
K081	1"	14	87K081PW32	3/4" EK.	1	885 mm	1200 mm	
K081	1"	15	87K081PY32	3/4" EK.	1	935 mm	1200 mm	
K081	1"1/4	2	87K081DG32	3/4" EK.	1	300 mm		600 mm
K081	1"1/4	3	87K081DH32	3/4" EK.	1	350 mm		600 mm
K081	1"1/4	4	87K081DJ32	3/4" EK.	1	400 mm		600 mm
K081	1"1/4	5	87K081DQ32	3/4" EK.	1	450 mm		700 mm
K081	1"1/4	6	87K081DK32	3/4" EK.	1	500 mm		700 mm
K081	1"1/4	7	87K081DR32	3/4" EK.	1	550 mm		700 mm
K081	1"1/4	8	87K081DL32	3/4" EK.	1	600 mm		700 mm
K081	1"1/4	9	87K081DS32	3/4" EK.	1	650 mm		850 mm
K081	1"1/4	10	87K081DM32	3/4" EK.	1	700 mm		850 mm
K081	1"1/4	11	87K081DT32	3/4" EK.	1	750 mm		850 mm
K081	1"1/4	12	87K081DU32	3/4" EK.	1	800 mm		1000 mm
K081	1"1/4	13	87K081DV32	3/4" EK.	1	850 mm		1000 mm
K081	1"1/4	14	87K081DW32	3/4" EK.	1	900 mm		1200 mm
K081	1"1/4	15	87K081DY32	3/4" EK.	1	950 mm		1200 mm

Stainless Steel Manifolds unit with adjustment lockshields and valves with thermostatic option. It includes: 2 ball valves (art. 216), connection to the ball valve with gasket with flat seat and o-ring, 2 brackets (art.208) with anti-vibration supports, 2 3/8" automatic air vents (art. 700), 2 1/2" drain cocks (art.172). **Suitable for 3/4" Euroconus. Compatible with thermostatic and electrothermic actuators with 28x1,5 connection thread.**

- FOR TEMPERATURE SETTING SEE CHAPTER D PAGE 124
 - FOR MANIFOLD ACCESSORIES SEE CHAPTER B8 PAGE 101

3/4 Euroconus

(see fittings on page 105-107)



M28 x 1,5 CONNECTION THREAD



ART. 1017

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1017	1"	2	871017PG32	3/4" EK.	1
1017	1"	3	871017PH32	3/4" EK.	1
1017	1"	4	871017PJ32	3/4" EK.	1
1017	1"	5	871017PQ32	3/4" EK.	1
1017	1"	6	871017PK32	3/4" EK.	1
1017	1"	7	871017PR32	3/4" EK.	1
1017	1"	8	871017PL32	3/4" EK.	1
1017	1"	9	871017PS32	3/4" EK.	1
1017	1"	10	871017PM32	3/4" EK.	1
1017	1"	11	871017PT32	3/4" EK.	1
1017	1"	12	871017PU32	3/4" EK.	1
1017	1"	13	871017PV32	3/4" EK.	1
1017	1"	14	871017PW32	3/4" EK.	1
1017	1"	15	871017PY32	3/4" EK.	1
1017	1"1/4	2	871017DG32	3/4" EK.	1
1017	1"1/4	3	871017DH32	3/4" EK.	1
1017	1"1/4	4	871017DJ32	3/4" EK.	1
1017	1"1/4	5	871017DQ32	3/4" EK.	1
1017	1"1/4	6	871017DK32	3/4" EK.	1
1017	1"1/4	7	871017DR32	3/4" EK.	1
1017	1"1/4	8	871017DL32	3/4" EK.	1
1017	1"1/4	9	871017DS32	3/4" EK.	1
1017	1"1/4	10	871017DM32	3/4" EK.	1
1017	1"1/4	11	871017DT32	3/4" EK.	1
1017	1"1/4	12	871017DU32	3/4" EK.	1
1017	1"1/4	13	871017DV32	3/4" EK.	1
1017	1"1/4	14	871017DW32	3/4" EK.	1
1017	1"1/4	15	871017DY32	3/4" EK.	1

Stainless steel return manifold with manual valves and valves with thermostatic option. Male outlets. Interaxe: 50 mm. Suitable for 3/4" Euroconus. Compatible with electrothermic actuators with 28x1,5 connection thread.



M30 x 1,5 CONNECTION THREAD



ART. 1018

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1018	1"	2	871018PG32	3/4" EK.	1
1018	1"	3	871018PH32	3/4" EK.	1
1018	1"	4	871018PJ32	3/4" EK.	1
1018	1"	5	871018PQ32	3/4" EK.	1
1018	1"	6	871018PK32	3/4" EK.	1
1018	1"	7	871018PR32	3/4" EK.	1
1018	1"	8	871018PL32	3/4" EK.	1
1018	1"	9	871018PS32	3/4" EK.	1
1018	1"	10	871018PM32	3/4" EK.	1
1018	1"	11	871018PT32	3/4" EK.	1
1018	1"	12	871018PU32	3/4" EK.	1
1018	1"	13	871018PV32	3/4" EK.	1
1018	1"	14	871018PW32	3/4" EK.	1
1018	1"	15	871018PY32	3/4" EK.	1

Stainless steel return manifold with manual valves and valves with thermostatic option. Male outlets. Interaxe: 50 mm. Suitable for 3/4" Euroconus. Compatible with thermostatic and electrothermic actuators with 30x1,5. Suitable for electrothermal actuators ICMA M30, Innoakt INN920066PL, Taconova NOVADRIVE 257.2855.000, Taconova TOPDRIVE 257.2055.000, Caleffi 656102 (4 wires), Siemens STA321.65L10, Imi hydronic Emo-t and Intellisys MCA230 (4 wires), Danfoss 088H3220.

FIXED POINT REGULATION MANIFOLDS FOR UNDERFLOOR HEATING SYSTEMS WITH LOW AND HIGH TEMPERATURE

B5

3/4" Euroconus

(see fittings on page 105-107)



ART. 1021



ART. 1025

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1021	1"	2	871021PG32	3/4" EK.	1
1021	1"	3	871021PH32	3/4" EK.	1
1021	1"	4	871021PJ32	3/4" EK.	1
1021	1"	5	871021PQ32	3/4" EK.	1
1021	1"	6	871021PK32	3/4" EK.	1
1021	1"	7	871021PR32	3/4" EK.	1
1021	1"	8	871021PL32	3/4" EK.	1
1021	1"	9	871021PS32	3/4" EK.	1
1021	1"	10	871021PM32	3/4" EK.	1
1021	1"	11	871021PT32	3/4" EK.	1
1021	1"	12	871021PU32	3/4" EK.	1
1021	1"	13	871021PV32	3/4" EK.	1
1021	1"	14	871021PW32	3/4" EK.	1
1021	1"	15	871021PY32	3/4" EK.	1
1021	1"1/4	2	871021DG32	3/4" EK.	1
1021	1"1/4	3	871021DH32	3/4" EK.	1
1021	1"1/4	4	871021DJ32	3/4" EK.	1
1021	1"1/4	5	871021DQ32	3/4" EK.	1
1021	1"1/4	6	871021DK32	3/4" EK.	1
1021	1"1/4	7	871021DR32	3/4" EK.	1
1021	1"1/4	8	871021DL32	3/4" EK.	1
1021	1"1/4	9	871021DS32	3/4" EK.	1
1021	1"1/4	10	871021DM32	3/4" EK.	1
1021	1"1/4	11	871021DT32	3/4" EK.	1
1021	1"1/4	12	871021DU32	3/4" EK.	1
1021	1"1/4	13	871021DV32	3/4" EK.	1
1021	1"1/4	14	871021DW32	3/4" EK.	1
1021	1"1/4	15	871021DY32	3/4" EK.	1

Stainless steel delivery manifold with micrometric regulation lockshields. Male outlets. Interaxe: 50 mm. **Suitable for 3/4" Euroconus. Compatible with electrothermic actuators with 28x1,5 connection thread.**

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1025	1"	2	871025PG32	3/4" EK.	1
1025	1"	3	871025PH32	3/4" EK.	1
1025	1"	4	871025PJ32	3/4" EK.	1
1025	1"	5	871025PQ32	3/4" EK.	1
1025	1"	6	871025PK32	3/4" EK.	1
1025	1"	7	871025PR32	3/4" EK.	1
1025	1"	8	871025PL32	3/4" EK.	1
1025	1"	9	871025PS32	3/4" EK.	1
1025	1"	10	871025PM32	3/4" EK.	1
1025	1"	11	871025PT32	3/4" EK.	1
1025	1"	12	871025PU32	3/4" EK.	1
1025	1"	13	871025PV32	3/4" EK.	1
1025	1"	14	871025PW32	3/4" EK.	1
1025	1"	15	871025PY32	3/4" EK.	1
1025	1"1/4	2	871025DG32	3/4" EK.	1
1025	1"1/4	3	871025DH32	3/4" EK.	1
1025	1"1/4	4	871025DJ32	3/4" EK.	1
1025	1"1/4	5	871025DQ32	3/4" EK.	1
1025	1"1/4	6	871025DK32	3/4" EK.	1
1025	1"1/4	7	871025DR32	3/4" EK.	1
1025	1"1/4	8	871025DL32	3/4" EK.	1
1025	1"1/4	9	871025DS32	3/4" EK.	1
1025	1"1/4	10	871025DM32	3/4" EK.	1
1025	1"1/4	11	871025DT32	3/4" EK.	1
1025	1"1/4	12	871025DU32	3/4" EK.	1
1025	1"1/4	13	871025DV32	3/4" EK.	1
1025	1"1/4	14	871025DW32	3/4" EK.	1
1025	1"1/4	15	871025DY32	3/4" EK.	1

Stainless steel delivery manifold with flowmeters. Male outlets. Interaxe: 50 mm. **Suitable for 3/4" Euroconus.**



ART. 1025 179

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1025	1"	2	871025179PG32	3/4" EK.	1
1025	1"	3	871025179PH32	3/4" EK.	1
1025	1"	4	871025179PJ32	3/4" EK.	1
1025	1"	5	871025179PQ32	3/4" EK.	1
1025	1"	6	871025179PK32	3/4" EK.	1
1025	1"	7	871025179PR32	3/4" EK.	1
1025	1"	8	871025179PL32	3/4" EK.	1
1025	1"	9	871025179PS32	3/4" EK.	1
1025	1"	10	871025179PM32	3/4" EK.	1
1025	1"	11	871025179PT32	3/4" EK.	1
1025	1"	12	871025179PU32	3/4" EK.	1
1025	1"	13	871025179PV32	3/4" EK.	1
1025	1"	14	871025179PW32	3/4" EK.	1
1025	1"	15	871025179PY32	3/4" EK.	1

Stainless steel delivery manifold with **TACONOVA flowmeters**. Male outlets. Interaxe: 50 mm. **Suitable for 3/4" Euroconus.**



ART. 477

ART.	HEAD CONNECT.	CODE EUROCONUS	
477	1"	87477AF66	1
477	1"1/4	87477AG66	1


Insulators for 1" and 1"1/4 Stainless Steel Manifolds up to 15 outlets. The insulators can be cut, to insulate the manifolds carrying a lower outlet number. **Holes on both sides** with 50 mm interaxe.

3/4 Euroconus

(see fittings on page 105-107)




ART. 1103

ART.	HEAD CONNECT.	OUTLETS	CODE	
1103	1"	2	871103PG06	30
1103	1"	3	871103PH06	20
1103	1"	4	871103PJ06	20
1103	1"	5	871103PQ06	10
1103	1"	6	871103PK06	10
1103	1"	7	871103PR06	10
1103	1"	8	871103PL06	10
1103	1"	9	871103PS06	10
1103	1"	10	871103PM06	10
1103	1"	11	871103PT06	5
1103	1"	12	871103PU06	5
1103	1"	13	871103PV06	5
1103	1"	14	871103PW06	5
1103	1"	15	871103PY06	5

Single distribution manifold. Outlets for 1/2" air vent (art.700) and 1/2" drain cock (art.172). Female outlets. Interaxe: 50 mm.




ART. 1102

ART.	HEAD CONNECT.	OUTLETS	SIDE CONNECTION	CODE	
1102	3/4"	2	1/2"	871102PA05	40
1102	3/4"	3	1/2"	871102PB05	30
1102	3/4"	4	1/2"	871102PC05	30
1102	3/4"	5	1/2"	871102PN05	20
1102	3/4"	6	1/2"	871102PD05	20
1102	3/4"	7	1/2"	871102PO05	20
1102	3/4"	8	1/2"	871102PE05	20
1102	3/4"	9	1/2"	871102PP05	10
1102	3/4"	10	1/2"	871102PF05	10
1102	1"	2	1/2"	871102PG05	30
1102	1"	3	1/2"	871102PH05	20
1102	1"	4	1/2"	871102PJ05	20
1102	1"	5	1/2"	871102PQ05	20
1102	1"	6	1/2"	871102PK05	20
1102	1"	7	1/2"	871102PR05	20
1102	1"	8	1/2"	871102PL05	20
1102	1"	9	1/2"	871102PS05	10
1102	1"	10	1/2"	871102PM05	10
1102	1"	11	1/2"	871102PT05	10
1102	1"	12	1/2"	871102PU05	10
1102	1"	13	1/2"	871102PV05	10
1102	1"	14	1/2"	871102PW05	10
1102	1"	15	1/2"	871102PY05	10
1102	1"1/4"	2	1/2"	871102DG05	30
1102	1"1/4"	3	1/2"	871102DH05	20
1102	1"1/4"	4	1/2"	871102DJ05	20
1102	1"1/4"	5	1/2"	871102DQ05	20
1102	1"1/4"	6	1/2"	871102DK05	20
1102	1"1/4"	7	1/2"	871102DR05	20
1102	1"1/4"	8	1/2"	871102DL05	20
1102	1"1/4"	9	1/2"	871102DS05	10
1102	1"1/4"	10	1/2"	871102DM05	10
1102	1"1/4"	11	1/2"	871102DT05	10
1102	1"1/4"	12	1/2"	871102DU05	10
1102	1"1/4"	13	1/2"	871102DV05	10
1102	1"1/4"	14	1/2"	871102DW05	10
1102	1"1/4"	15	1/2"	871102DY05	10

Single distribution manifold. 1/2" female side connections. Interaxe: 50 mm.



ART. 1104

ART.	HEAD CONNECT.	OUTLETS	CODE	FITTING THREAD	
1104	1"	2	871104PG06	3/4" EK.	30
1104	1"	3	871104PH06	3/4" EK.	20
1104	1"	4	871104PJ06	3/4" EK.	20
1104	1"	5	871104PQ06	3/4" EK.	10
1104	1"	6	871104PK06	3/4" EK.	10
1104	1"	7	871104PR06	3/4" EK.	10
1104	1"	8	871104PL06	3/4" EK.	10
1104	1"	9	871104PS06	3/4" EK.	10
1104	1"	10	871104PM06	3/4" EK.	10
1104	1"	11	871104PT06	3/4" EK.	5
1104	1"	12	871104PU06	3/4" EK.	5
1104	1"	13	871104PV06	3/4" EK.	5
1104	1"	14	871104PW06	3/4" EK.	5
1104	1"	15	871104PY06	3/4" EK.	5

Single distribution manifold with pre-assembled fittings. Male outlets. Interaxe: 50 mm. **Suitable for 3/4" Euroconus fittings.**














1/2"

3/4 Euroconus

(see fittings on page 105-107)



ART. 1105

ART.	HEAD CONNECT.	OUTLETS	CODE 3/4"	FITTING THREAD			
1105	1"	2	871105PG05XX	3/4" EK.	1	10	
1105	1"	3	871105PH05XX	3/4" EK.	1	10	
1105	1"	4	871105PJ05XX	3/4" EK.	1	10	
1105	1"	5	871105PQ05XX	3/4" EK.	1	10	
1105	1"	6	871105PK05XX	3/4" EK.	1	5	
1105	1"	7	871105PR05XX	3/4" EK.	1	5	
1105	1"	8	871105PL05XX	3/4" EK.	1	5	
1105	1"	9	871105PS05XX	3/4" EK.	1	4	
1105	1"	10	871105PM05XX	3/4" EK.	1	4	
1105	1"	11	871105PT05XX	3/4" EK.	1	4	
1105	1"	12	871105PU05XX	3/4" EK.	1	4	
 1105	1"	2	871105ADPG05XX	1/2"	1	10	
 1105	1"	3	871105ADPH05XX	1/2"	1	10	
 1105	1"	4	871105ADPJ05XX	1/2"	1	10	
 1105	1"	5	871105ADPQ05XX	1/2"	1	10	
 1105	1"	6	871105ADPK05XX	1/2"	1	5	
 1105	1"	7	871105ADPR05XX	1/2"	1	5	
 1105	1"	8	871105ADPL05XX	1/2"	1	5	
 1105	1"	9	871105ADPS05XX	1/2"	1	4	
 1105	1"	10	871105ADPM05XX	1/2"	1	4	
 1105	1"	11	871105ADPT05XX	1/2"	1	4	
 1105	1"	12	871105ADPU05XX	1/2"	1	4	

Distribution manifold with shut-off valves. Distance between outlets 50 mm. Head connections 1" F. Pipe connections 1/2" or 3/4" Euroconus. Available with red or blue handle. RED: insert '11' instead of 'XX' in the code ending; BLUE: insert '12' instead of 'XX' in the code ending.

1/2"


3/4 Euroconus

M24x1,5

(see fittings on page 105-107)




ART. 178

ART.	HEAD CONNECT.	CODE	
178	1"	87178AF66	1
178	1"1/4	87178AG66	1

Insulators for 1" and 1"1/4 single bar manifolds. For manifolds 1" up to 12 outlets, for manifolds 1"1/4 up to 15 outlets. The insulators can be cut to insulate manifolds with a lower number of outlets. Suitable for distribution manifolds. **Holes on one side** with 50 mm interaxe.




ART. 222 | 223 | 186

ART.	HEAD CONNECT.	OUTLETS	SIDE CONNECTION	CODE	
222	3/4	2	1/2	87222PA05	50
222	3/4	3	1/2	87222PB05	50
222	3/4	4	1/2	87222PC05	40
222	3/4	5	1/2	87222PN05	35
222	1"	2	1/2	87222PG05	50
222	1"	3	1/2	87222PH05	40
222	1"	4	1/2	87222PJ05	25
222	1"	5	1/2	87222PQ05	20
222	3/4	2	1/2	87222PA06	50
222	3/4	3	1/2	87222PB06	50
222	3/4	4	1/2	87222PC06	40
222	3/4	5	1/2	87222PN06	35
222	1"	2	1/2	87222PG06	50
222	1"	3	1/2	87222PH06	40
222	1"	4	1/2	87222PJ06	25
222	1"	5	1/2	87222PQ06	20
223	3/4	2	24x1,5	87223PA05	50
223	3/4	3	24x1,5	87223PB05	50
223	3/4	4	24x1,5	87223PC05	40
223	3/4	5	24x1,5	87223PN05	35
223	1"	2	24x1,5	87223PG05	50
223	1"	3	24x1,5	87223PH05	40
223	1"	4	24x1,5	87223PJ05	25
223	1"	5	24x1,5	87223PQ05	20
223	3/4	2	24x1,5	87223PA06	50
223	3/4	3	24x1,5	87223PB06	50
223	3/4	4	24x1,5	87223PC06	40
223	3/4	5	24x1,5	87223PN06	40
223	1"	2	24x1,5	87223PG06	50
223	1"	3	24x1,5	87223PH06	40
223	1"	4	24x1,5	87223PJ06	25
223	1"	5	24x1,5	87223PQ06	20
186	3/4	2	3/4	87186PA05	50
186	3/4	3	3/4	87186PB05	50
186	3/4	4	3/4	87186PC05	40
186	1"	2	3/4	87186PG05	40
186	1"	3	3/4	87186PH05	50
186	1"	4	3/4	87186PJ05	40
186	3/4	2	3/4	87186PA06	50
186	3/4	3	3/4	87186PB06	50
186	3/4	4	3/4	87186PC06	40
186	1"	2	3/4	87186PG06	50
186	1"	3	3/4	87186PH06	50
186	1"	4	3/4	87186PJ06	40

Male/Female modular single manifold, side exits Male 1/2" with **conical seat (art.222)**, 24x1,5 (art.223), **Euroconus (art.186)**. Articles 222 and 223 with inter-axe between outlets 37,5 mm., art. 186 with inter-axe between outlets 50 mm.



ART. 230 | 232

ART.	HEAD CONNECT.	SIDE CONNECT. NR.	SIDE CONNECT.	CODE	
230	3/4	4x4	24x1,5	87230PC09	1 10
230	3/4	6x6	24x1,5	87230PD09	1 10
230	3/4	8x8	24x1,5	87230PE09	1 5
230	3/4	10x10	24x1,5	87230PF09	1 5
230	1"	4x4	24x1,5	87230PJ09	1 10
230	1"	6x6	24x1,5	87230PK09	1 10
230	1"	8x8	24x1,5	87230PL09	1 5
230	1"	10x10	24x1,5	87230PM09	1 5
232	3/4	4x4	1/2	87232PC09	1 10
232	3/4	6x6	1/2	87232PD09	1 10
232	3/4	8x8	1/2	87232PE09	1 5
232	3/4	10x10	1/2	87232PF09	1 5
232	1"	4x4	1/2	87232PJ09	1 10
232	1"	6x6	1/2	87232PK09	1 10
232	1"	8x8	1/2	87232PL09	1 5
232	1"	10x10	1/2	87232PM09	1 5

Coplanar manifold. 1/2" and 24x1,5 side male outlets with interaxe 37,5. Distance between head outlets 50 mm.

SINGLE AND COPLANAR JOINABLE MANIFOLDS FOR HEATING AND SANITARY SYSTEMS

B6

1/2"

3/4 Euroconus

M24x1,5

(see fittings on page 105-107)




ART. 227 | 228 | 229

ART	DESCRIPTION	HEAD CONNECT.	SIDE CONNECT. NR.	SIDE CONNECT. THREAD	CODE		
227	3/4"x2	3/4"	2	1/2	87227PA06	10	50
227	3/4"x3	3/4"	3	1/2	87227PB06	5	25
227	3/4"x4	3/4"	4	1/2	87227PC06	5	25
227	1"x2	1"	2	1/2	87227PG06	5	25
227	1"x3	1"	3	1/2	87227PH06	5	25
NEW	227	1"x4	4	1/2	87227PJ06	5	25
228	3/4"x2	3/4"	2	24x1,5	87228PA06	10	50
228	3/4"x3	3/4"	3	24x1,5	87228PB06	5	25
228	3/4"x4	3/4"	4	24x1,5	87228PC06	5	25
228	1"x2	1"	2	24x1,5	87228PG06	5	25
228	1"x3	1"	3	24x1,5	87228PH06	5	25
NEW	228	1"x4	4	24x1,5	87228PJ06	5	25
229	1"x2	1"	2	3/4	87229PG06	5	25
229	1"x3	1"	3	3/4	87229PH06	5	25
NEW	229	1"x4	4	3/4	87229PJ06	5	25

Fit-together single manifold with interception valves. 3/4" head connections with interaxe 37,5 mm and 1" head connection with interaxe 50 mm. 1/2", M24x1,5 and 3/4" side connections. It includes: hot/cold plates: one side red, the other side blue and double face plates with descriptions for sanitary and heating system in the following languages: Italian, French, Russian, English, Spanish, Greek, Hungarian.




ART. 194

ART.	HEIGHT (mm)	WIDTH (mm)	DEPTH (mm)	CODE	
194	300	250	90	87194OO20	5
194	400	250	90	87194OH20	5
194	500	250	90	87194OI20	5
194	600	300	90	87194OL20	5

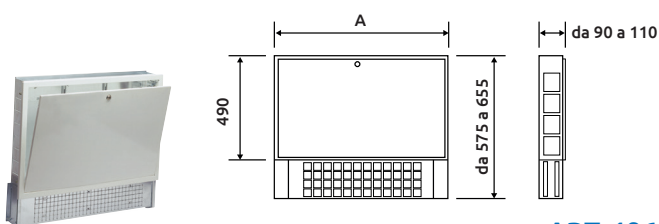
Plastic cabinet for manifolds. With frame, bottom and supports to fix all ICMA manifolds (also coplanar manifolds art. 230 and 232). WITH SIDE REMOVABLE LOCKS.




ART. 195

ART.	HEIGHT (mm)	WIDTH (mm)	CODE	
195	400	250	87195OH20	20
195	500	250	87195OI20	20
195	600	300	87195OL20	20

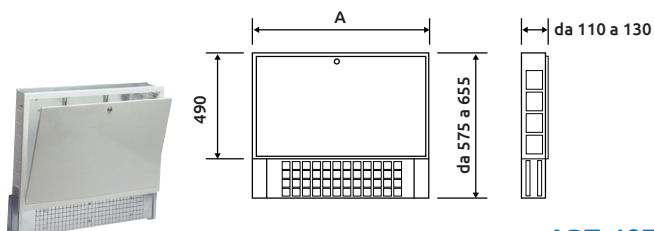
Plastic cover for manifolds. With frame and fixing screws.




ART. 196

ART.	SIZE A (mm)	CODE	
196	500	87196OE09	1
196	700	87196OF09	1
196	850	87196OK09	1
196	1000	87196OG09	1
196	1200	87196OH09	1

White RAL 9010 painted cabinet for underfloor heating systems with lock. Adjustable height (from 630 mm to 930 mm) and depth (from 90 mm to 110 mm). It is possible to regulate the internal position of the manifold (up-down and laterally). **For manifolds without circulating pump.** Sheet frame and cover thickness 1 mm for a high constructive solidity.




ART. 197

ART.	SIZE A (mm)	CODE	
197	600	87197OC09	1
197	700	87197OF09	1
197	850	87197OK09	1
197	1000	87197OG09	1
197	1200	87197OH09	1

White RAL 9010 painted cabinet for underfloor heating systems with lock. Adjustable height (from 630 mm to 930 mm) and depth (from 110 mm to 130 mm). It is possible to regulate the internal position of the manifold (up-down and laterally). **For manifolds with circulating pump.** Sheet frame and cover thickness 1 mm for a high constructive solidity.



ART. 192

ART.	HEIGHT (mm)	WIDTH (mm)	DEPTH (mm)	CODE	
192	290	330	90	87192OA09	5
192	310	430	90	87192OB09	5
192	330	530	90	87192OC09	5
192	330	630	90	87192OD09	5

Manifold cabinet made of plastic in white RAL 9010. Thanks to the internal brackets, it is possible to adjust the position of the manifold both in height and laterally.



ART. 202

ART.	SIZE	CODE			
202	3/4"	87202AE05	100		
202	1"	87202AF05	100		
202	3/4"	87202AE06	100		
202	1"	87202AF06	100		

Female end connection for manifolds. 3/8" female - 1/2" female outlets.



ART. 268

ART.	SIZE	CODE			
268	3/4"	87268AE05	100		
268	1"	87268AF05	100		
268	1"1/4"	87268AG05	100		
268	3/4"	87268AE06	100		
268	1"	87268AF06	100		
268	1"1/4"	87268AG06	100		

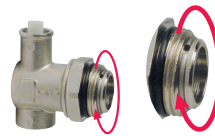
Male terminal connection with anti-leakage gasket, 3/8"F and 1/2"F outlets.



ART. 203

ART.	SIZE	CODE			
203	3/4"	87203AE05	100		
203	1"	87203AF05	100		
203	3/4"	87203AE06	100		
203	1"	87203AF06	100		

Male end connection for manifolds. 3/8" female - 1/2" female outlets.



ART. 199

ART.	SIZE	CODE			
199	1"	87199AF06	50		
199	1"1/4"	87199AG06	50		

Male terminal union. Revolving connection, built-in interception valve, 3/8" outlet and 1/2" outlet for drain cock.



ART. 174

ART.	SIZE	CODE			
174	1"	87174AF06	5		

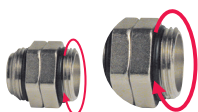
1" adjustable by-pass. For underfloor manifolds. With revolving connection.



ART. 204

ART.	SIZE	CODE			
204	1"	87204AF06	10		

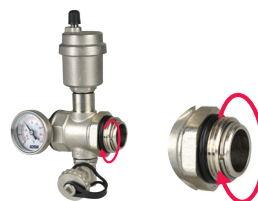
Male-female intermediate fitting. Revolving connection, built-in air vent and 1/2" outlet for drain cock.



ART. 198

ART.	SIZE	CODE			
198	1"	87198AF06	50		
198	1"1/4"	87198AG06	50		

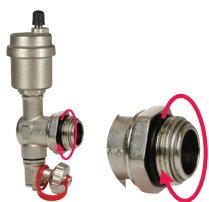
Male intermediate fitting with revolving connection. Used to join the manifolds.



ART. 205

ART.	SIZE	CODE			
205	1"	87205AF06	1	20	

Male-female intermediate fitting. Revolving connection, automatic air vent, thermometer and drain cock.



ART. 209

ART.	SIZE	CODE		
209	1"	87209AF06	1	20
209	1"1/4	87209AG06	1	20

Revolving terminal connection with automatic air vent and drain cock.



ART. 269

ART.	SIZE	CODE		
269 C/701	1"	87269AF06701	1	25
269	1"	87269AF06	1	25
269	1"1/4	87269AG06	1	25

Terminal connection with anti-leakage gasket, automatic or manual air vent and drain cock.



ART. 208

ART.	SIZE	CODE	
208	3/4"	87208AE06	50
208	1"	87208AF06	50
208	1"1/4	87208AG06	50

Bracket complete with anti-vibration supports. Interaxe between the 2 manifolds: 210 mm.



ART. 208L

ART.	SIZE	CODE	
208L	1"	87208AF06L	20

Bracket complete with anti-vibration supports. Inter-axe between the 2 manifolds: 210 mm. Allow the installation of manifolds in cabinets with 110mm. depth (Art. 197). The lower side increasing the space for the passage of pipes and solving the bending problem of pipe connection.



ART. 206

ART.	SCALA	CODE		
206	0-60°C	872060060	1	100
206	0-80°C	872060080	1	100
206	0-120°C	872060120	1	100

Thermometer with spring clip, 40 mm diameter.



ART. 287

ART.	SCALA	CODE		
287	0-120°C	872870120	1	100

Thermometer with spring clip, 60 mm diameter.



ART. 208H

ART.	SIZE	CODE	
208H	1"	87208AF06H	20

Bracket complete with anti-vibration supports. Interaxe between the 2 manifolds: 260 mm. It allows the installation of circulators with 180 mm. length.



ART. 1300

ART.	SIZE	CODE	
1300	1"	C111300AF06	20

Bracket complete with anti-vibration supports. 40 mm square connection. Interaxe distance between the 2 manifolds: 200 mm. **Enables fastening on the square section of the manifold bar.** Enable the installation of manifolds in cabinets with 110 mm (art. 196).



ART. 201

ART.	SIZE	CODE		
201	1/2"	87201AD05	10	500
201	3/4"	87201AE05	10	400
201	1"	87201AF05	5	200
201	1"1/4	87201AG05	10	100
201	1/2"	87201AD06	10	500
201	3/4"	87201AE06	10	400
201	1"	87201AF06	5	200
201	1"1/4	87201AG06	2	100

Blind end cap for manifolds. Sizes: 1/2 - F3/4 F - 1" F - 1"1/4 F.



ART. 172

ART.	SIZE	CODE	📦	
172	1/2"	87172AD06	1	

Drain cock.



ART. 207

ART.	SIZE	FINITURA	CODE	📦	
207	3/8"	GIALLO	87207AC05	10	400
207	3/8"	NICHELATO	87207AC06	10	400

Cockpit for thermometer art. 206 and art. 287.



ART. 173

ART.	SIZE	CODE	📦	
173	3/4"	87173AE05	10	400
173	1"	87173AF06	10	100
173	1 1/4"	87173AG06	10	100

End cap with o-ring.



ART. 185

ART.	SIZE	CODE	📦	
185	1"	87185AF06	100	

Thermometer cap with gasket for manifold connections (thermometer art. 206 0-60° included).



ART. 215

ART.	SIZE	COLOR	CODE	📦	
215	1"	RED	87215AF11	5	30
215	1"	BLUE	87215AF12	5	30

Full bore ball valve with tail, red/blue coated Aluminum T-handle, flat seat connection. Double O-ring, anti-blow out stem. Flat seat tail makes these valves perfect for underfloor heating system. Thread ISO 228.



ART. 216

ART.	SIZE	COLOR	CODE	📦	
216	1"	RED	87216AF11	1	10
216	1"	BLUE	87216AF12	1	10
216	1 1/4"	RED	87216AG11	1	10
216	1 1/4"	BLUE	87216AG12	1	10

Full bore ball valve with revolving connection (only for 1 1/4 size). Tail with o-ring seat. With thermometer (thermometer art. 206 0-60° included). Thread ISO 228.



ART. 225

ART.	SIZE	COLOR	CODE	📦	
225	1"	RED	87225AF11	6	
225	1"	BLUE	87225AF12	6	

Full bore angle ball valve, red/blue coated Aluminum T-handle, M/F connection thread, Double O-ring, anti-blow out stem. Thread ISO 228.



ART. 226

ART.	SIZE	COLOR	CODE	📦	
226	1"	RED	87226AF11	1	10
226	1"	BLUE	87226AF12	1	10

Full bore angle ball valve. Tail with flat seat. With thermometer (thermometer art. 206 0-60° included). Thread ISO 228.



ART. 236

ART.	SIZE	CODE	📦	
236	3/4"-3/8"	87236LB05	10	200
236	3/4"-1/2"	87236LC05	10	200
236	1"-3/8"	87236LD05	10	200
236	1"-1/2"	87236LE05	10	200
236	1"-3/4"	87236LF05	10	200
236	3/4"-3/8"	87236LB06	10	200
236	3/4"-1/2"	87236LC06	10	200
236	1"-3/8"	87236LD06	10	200
236	1"-1/2"	87236LE06	10	200
236	1"-3/4"	87236LF06	10	200

Hollow end cap for manifolds. Sizes: 3/4 male for 3/8 female - 3/4 male for 1/2F - 1" male for 3/8 female - 1" male for 1/2 Female - 1" male for 3/4 female.



ART. 221

ART.	SIZE	BRASS FINISH CODE	CHROME FINISH CODE		
221	1/2"	87221AD05	87221AD06	10	500
221	3/4"	87221AE05	87221AE06	10	400
221	1"	87221AF05	87221AF06	5	200
221	1"1/4	87221AG05	87221AG06	10	100

Blind head cap for flanged manifolds. Connection: 1/2"M - 3/4M - 1"M - 1"1/4 M.



ART. 234

ART.	SIZE	CODE		
234	3/4-3/4	87234LD06	10	50
234	1"-1"	87234LG06	10	50

Three-piece male/female eccentric. For coplanar manifolds. **Flat connection to mount the motorized zone valves.**



ART. 238

ART.	SIZE	CODE		
238	3/8"	87238AC05	10	200
238	1/2"	87238AD05	10	200
238	24x1,5	87238OO05	10	200
238	3/4"	87238AE05	10	200
238	3/8"	87238AC06	10	200
238	1/2"	87238AD06	10	200
238	24x1,5	87238OO06	10	200
238	3/4"	87238AE06	10	200

Blind cap for manifold's side outlets with EPDM gasket.



ART. 235

ART.	SIZE	CODE		
235	3/4-3/4	87235LD06	1	40
235	3/4-1"	87235LE06	1	40
235	1"-1"	87235LG06	1	40

Three-piece male eccentric. For coplanar manifolds. **Flat connection to mount the motorized zone valves.**

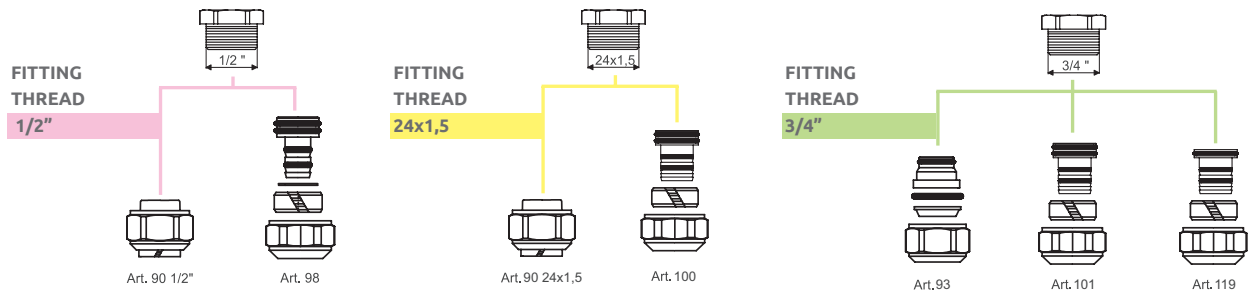


ART. 217

ART.	SIZE	FILETTATURA PER IL RACCORDO	CODE		
217	1/2	24x1,5	87217RD06	10	200
217	1/2	3/4	87217LC06	10	200

Male fitting for manifolds. With O-ring. Mountable on the bar manifolds art. 1101, 1102, 1103, 1104, 1105.

SELECTION OF FITTINGS ACCORDING TO VALVES AND LOCKSHIELDS THREADS



ART. 90

ART.	PIPE SIZE	CONNECTION THREAD	CODE		
90	10	1/2"	81090FC06	1	250
90	12	1/2"	81090FD06	1	250
90	14	1/2"	81090FE06	1	250
90	15	1/2"	81090FF06	1	250
90	16	1/2"	81090FG06	1	250
90	10	24x1,5	81090GB06	1	250
90	12	24x1,5	81090GC06	1	250
90	14	24x1,5	81090GD06	1	250
90	15	24x1,5	81090GE06	1	250
90	16	24x1,5	81090GF06	1	250
90	18	24x1,5	81090GG06	1	250

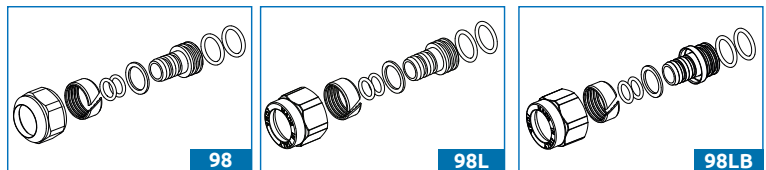
Patent-pending fitting SICURBLOC for copper pipe.



ART. 98

ART.	PIPE SIZE	EXT. PIPE SIZE	INT. PIPE SIZE	CONNECTION THREAD	CODE		
98	16x1,5	16	13	1/2"	81098GI06	1	250
98	14x2	14	10	1/2"	81098BN06	1	250
98	16x2	16	12	1/2"	81098GH06	1	250
*98L	16x2	16	12	1/2"	81098LGH06	1	250
98	16x2,2 16x2,25	16	11,6 11,5	1/2"	81098BO06	1	250
**98LB	16x2	16	12	1/2"	81098LBGH06	1	250

Fitting for Pex and Pex-Al-Pex pipe.





ART. 93

ART.	PIPE SIZE	CONNECTION THREAD	CODE		
93	12	3/4"	81093HB06	1	250
93	14	3/4"	81093HC06	1	250
93	15	3/4"	81093HD06	1	250
93	16	3/4"	81093HE06	1	250
*93	18	3/4"	81093HF06	1	250

Euroconus fitting for copper pipe. With o-ring.



ART. 100

ART.	PIPE SIZE	EXT. PIPE SIZE	INT. PIPE SIZE	CONNECTION THREAD	CODE		
100	18x2,5	18	13	24X1,5	81100GG06	1	250
100	20x2,5	20	15	24X1,5	81100GK06	1	250
100	12x1,1	12	9,8	24X1,5	81100GB06	1	250
100	12X2	12	8	24X1,5	81100BM06	1	250
100	14X2	14	10	24X1,5	81100BN06	1	250
100	16X2	16	12	24X1,5	81100GH06	1	250
100	18X2	18	14	24X1,5	81100GJ06	1	250
100	20X2	20	16	24X1,5	81100BQ06	1	250
100	16X2,2	16	11,6	24X1,5	81100BO06	1	250
100	16X2,25	16	11,5	24X1,5	81100BO06	1	250
100	18X2,2	18	13,6	24X1,5	81100BP06	1	250
100	20X2,25	20	15,5	24X1,5	81100BR06	1	250
100	16X1,5	16	13	24X1,5	81100GI06	1	250
100	20X1,9	20	16,2	24X1,5	81100GN06	1	250
100	16X2,6	16,2	11	24X1,5	81100GL06	1	250
100	17x2	17	13	24x1,5	81100BS06	1	250
100	20x2,9	20	14,2	24x1,5	81100GM06	1	250
100	25x2,5	25	20	1"	81100GO06	1	150
100	26x3	26	20	1"	81100GP06	1	150

Fitting for Pex and Pex-Al-Pex pipe.





ART. 101

ART.	PIPE SIZE	EXT. PIPE SIZE	INT. PIPE SIZE	CONNECTION THREAD	CODE		
101	18x2,5	18	13	3/4"	81101GG06	1	250
101	20x2,5	20	15	3/4"	81101GK06	1	250
101	12x1,1	12	9,8	3/4"	81101GB06	1	250
101	12X2	12	8	3/4"	81101BM06	1	250
101	14X2	14	10	3/4"	81101BN06	1	250
101	16x1,8	16	12,4	3/4"	81101BW06	1	250
101	16X2	16	12	3/4"	81101GH06	1	250
101	18X2	18	14	3/4"	81101GJ06	1	250
101	20X2	20	16	3/4"	81101BQ06	1	250
101	16X2,2	16	11,6	3/4"	81101BO06	1	250
101	16X2,25	16	11,5	3/4"	81101BO06	1	250
101	18X2,2	18	13,6	3/4"	81101BP06	1	250
101	20X2,25	20	15,5	3/4"	81101BR06	1	250
101	16X1,5	16	13	3/4"	81101GI06	1	250
101	20X1,9	20	16,2	3/4"	81101GN06	1	250
101	16X2,6	16,2	11	3/4"	81101GL06	1	250
101	17x2	17	13	3/4"	81101BS06	1	250
101	20x2,9	20	14,2	3/4"	81101GM06	1	250

Fitting for Pex and Pex-Al-Pex pipe. Long nut and adapter with 4 o-rings.




ART. 119

ART.	PIPE SIZE	EXT. PIPE SIZE	INT. PIPE SIZE	CONNECTION THREAD	CODE		
119*	12x1,1	12	9,8	3/4"	81119GB06	1	250
119**	16x1,5	16	13	3/4"	81119GI06	1	250
119**	16x2	16	12	3/4"	81119GH06	1	250
119**	17x2	17	13	3/4"	81119BS06	1	250

Fitting for Pex and Pex-Al-Pex pipe. Compact adapter available with 1 O-ring or 3 O-rings version.




ART. 111

ART.	CODE	
111	871110O06	1

Key.




ART. 114

ART.	CODE	
114	871140O06	1

Screwdriver for lockshields




ART. 112

ART.	CODE	
112	871120O06	1

Key for tails.




ART. 116

ART.	CODE	
116	871160O06	1

Wrench for fittings. One side Hexagon 24 for 1/2" fittings; the other side Hexagon 27 for 24x1,5 fittings.



ART. 113

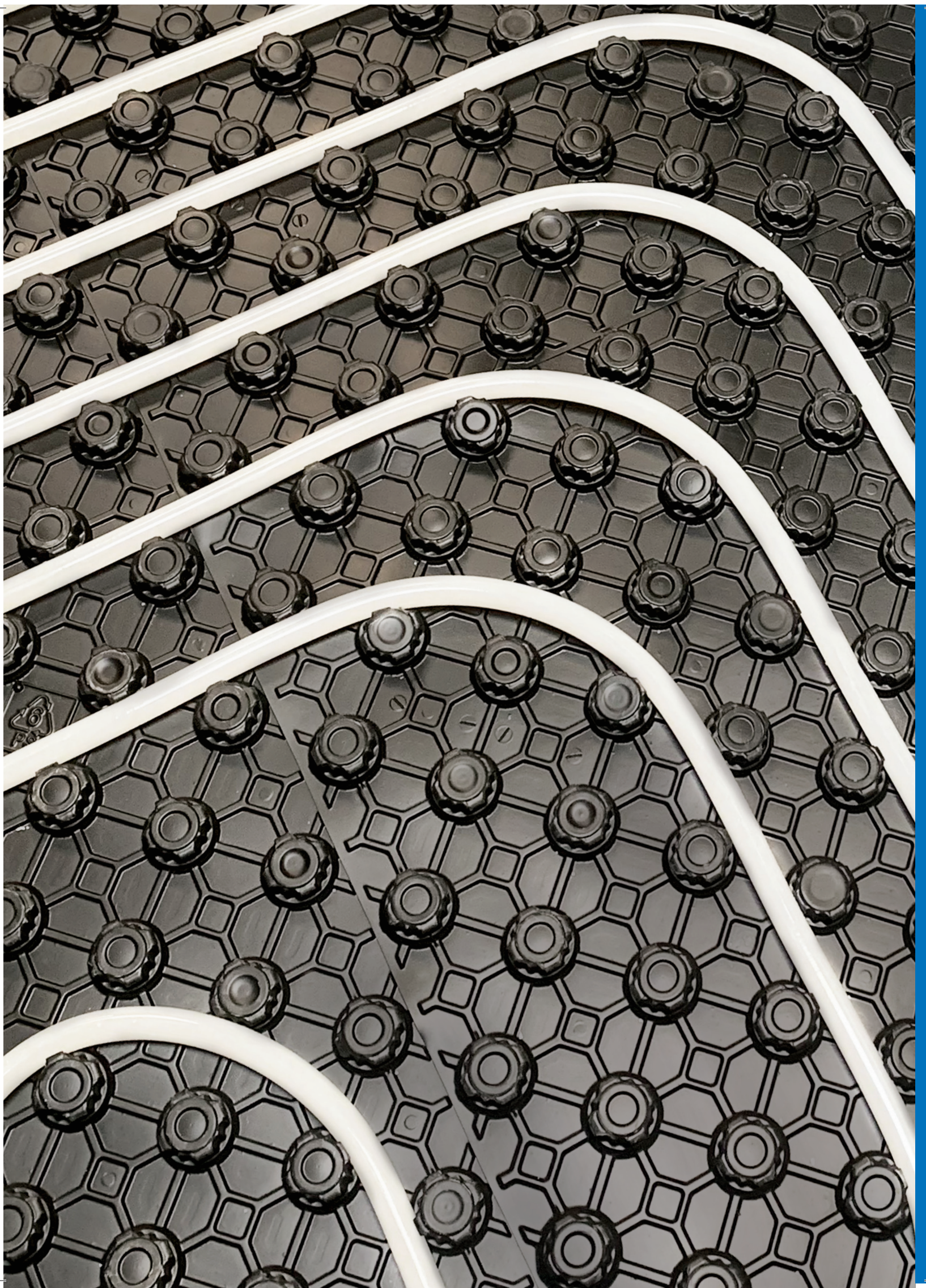
ART.	CODE	
113	871130O06	1

Key for the external hexagon of the patent-pending tail art.940. Es. 18.



Grid area for notes.

ICMA®



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UNDERFLOOR HEATING SYSTEMS PRODUCTS AND COMPONENTS



C1 THERMAL-ACOUSTIC
INSULATION
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C4 DEHUMIDIFIERS
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C2 PEX AND MULTILAYER
PIPES, MANIFOLDS
FOR UNDERFLOOR
HEATING SYSTEMS
page 114



C5 CONTROLLED
MECHANICAL
VENTILATION
page 120



C3 ACCESSORIES
page 115



ART. P105

ART.	TOTAL THICKNESS	INSULATING THICKNESS	HEATED SURFACE (mm)	EPS	CODE	N. PANELS	SMQ
P105	32 mm	10 mm	1400x800	200	88P1053099	22	24,64
P105	42 mm	20 mm	1400x800	150	88P1054099	16	17,92
P105	52 mm	30 mm	1400x800	150	88P1055099	12	13,44
P105	62 mm	40 mm	1400x800	150	88P1056099	10	11,20
P105	72 mm	50 mm	1400x800	150	88P1057099	8	8,96

Thermoformed insulating panel in sintered expanded polystyrene foam, EPS pre-formed, CE marked in compliance with UNI EN 13163 standard, with thermoformed trampling leaf, thickness 600 micron with 22 mm embossed reliefs. It is suitable for pipes with 16 mm and 17 mm external diameter; it has multiple circuits with 50 mm pitch and overlapping edges to joint the panels firmly.



ART. P106

ART.	TOTAL THICKNESS	INSULATING THICKNESS	ACOUSTIC INSULATION mm=dB	HEATED SURFACE (mm)	CODE	N. PANELS	SMQ
P106	47 mm	25 mm	50=31	1200x800	88P1065399	11	10,56
P106	57 mm	35 mm	50=32	1200x800	88P1066399	9	8,64

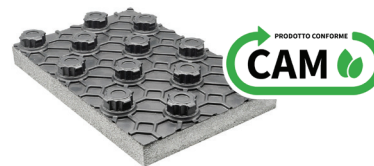
Thermal and acoustic insulating panel in EPS pre-formed sintered expanded polystyrene foam with double density (EPS200 + stretch), in compliance with EN 13163 Annex ZA standard. It is provided with a 600 micron walkable thermoformed shell with 22 mm reliefs. The edges are overlapping to joint the panels firmly. 50 mm pitch and multiple circuits. Suitable for 16-17 mm pipe.



ART. P105G

ART.	TOTAL THICKNESS	INSULATING THICKNESS	HEATED SURFACE (mm)	EPS	CODE	N. PANELS	SMQ
P105G	32 mm	10 mm	1400x800	200	88P105G3099	22	24,64
P105G	45 mm	23 mm	1400x800	150	88P105G4599	14	15,68
P105G	60 mm	38 mm	1400x800	150	88P105G6099	10	11,20

Thermoformed insulation panel in sintered expanded polystyrene **with graphite** additive. 0,030 W/mk thermal conductivity, CE marked in compliance with EN 13163 standard, complete with thermoformed laminate shell with a thickness of 600 microns and 22mm embossed reliefs. Suitable for pipes with 16mm. and 17 mm. external diameter; installation pitch 50mm and multiple sizes, complete with lateral overlapping edges to join the panels during the concrete slab creation.



ART. P105G CAM

ART.	TOTAL THICKNESS	INSULATING THICKNESS	HEATED SURFACE (mm)	EPS	CODE	N. PANELS	SMQ
P105G	32 mm	10 mm	1400x800	200	88P105G3099CAM	22	24,64
P105G	45 mm	23 mm	1400x800	150	88P105G4599CAM	14	15,68
P105G	60 mm	38 mm	1400x800	150	88P105G6099CAM	10	11,20

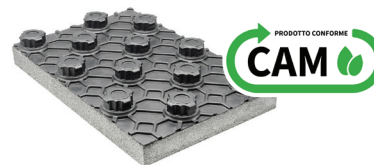
Thermoformed insulation panel in sintered expanded polystyrene **with graphite** additive. 0,030 W/mk thermal conductivity, CE marked in compliance with EN 13163 standard, complete with thermoformed laminate shell with a thickness of 600 microns and 22mm embossed reliefs. Suitable for pipes with 16mm. and 17 mm. external diameter; installation pitch 50mm and multiple sizes, complete with lateral overlapping edges to join the panels during the concrete slab creation. **Product compliant with the Minimum Environmental Criteria (CAM) and therefore suitable for installation in public construction projects. Contains more than 15% recycled material. AVAILABLE ON REQUEST.**



ART. P105SG

ART.	TOTAL THICKNESS	INSULATING THICKNESS	HEATED SURFACE (mm)	EPS	CODE	N. PANELS	SMQ
P105SG	32 mm	10 mm	1400x800	500	88P105SG3099	22	24,64
P105SG	52 mm	30 mm	1450x800	500	88P105SG5099	12	13,44

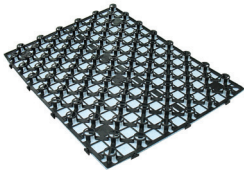
Thermoformed insulation panel in sintered expanded polystyrene **EPS 500 with graphite** additive. 0,030 W/mk thermal conductivity, CE marked in compliance with EN 13163 standard, complete with thermoformed laminate shell with a thickness of 600 microns and 22mm embossed reliefs.



ART. P105SG CAM

ART.	TOTAL THICKNESS	INSULATING THICKNESS	HEATED SURFACE (mm)	EPS	CODE	N. PANELS	SMQ
P105SG	32 mm	10 mm	1400x800	500	88P105SG3099CAM	22	24,64
P105SG	52 mm	30 mm	1450x800	500	88P105SG5099CAM	12	13,44

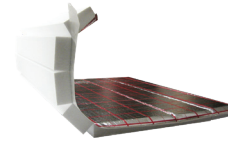
Thermoformed insulation panel in sintered expanded polystyrene **EPS 500 with graphite** additive. 0,030 W/mk thermal conductivity, CE marked in compliance with EN 13163 standard, complete with thermoformed laminate shell with a thickness of 600 microns and 22mm embossed reliefs. **Product compliant with the Minimum Environmental Criteria (CAM) and therefore suitable for installation in public construction projects. Contains more than 15% recycled material. AVAILABLE ON REQUEST.**



ART. P107

ART.	TOTAL THICKNESS	INSULATING THICKNESS	HEATED SURFACE (mm)	EPS	CODE	N. PANELS	SMQ
P107	30 mm	10 mm	800x600	250	88P1072099	16	7,68

Thermal and acoustic insulating panel in EPS pre-formed sintered expanded polystyrene foam with double density (EPS200 + stretch), in compliance with EN 13163 Annex ZA standard. It is provided with a 600 micron walkable thermoformed shell with 22 mm reliefs. The edges are overlapping to joint the panels firmly. 50 mm pitch and multiple circuits. Suitable for 16-17 mm pipe.



ART. P114

ART.	THICKNESS	HEATED SURFACE (mm)	EPS	CODE	N. PANELS	SMQ
P114	20 mm	12.000x1.000	150	88P1142099	1	12
P114	30 mm	8.000x1.000	150	88P1143099	1	8
P114	40 mm	6.000x1.000	150	88P1144099	1	6

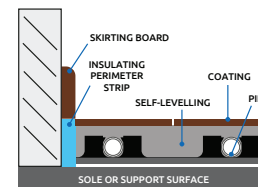
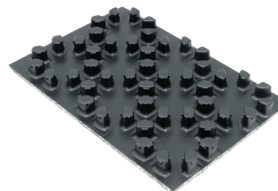
Flat insulating panel in rolls in EPS sintered expanded polystyrene foam, CE marked in compliance with UNI EN 13163 standard, laminated with a reflective film with a squared framework for providing 50 mm pitch and multiple circuits and with adhesive edges to fix the panels. Rolls are 10 m long. Suitable for 16-17-20 mm pipe.



ART. P107A

ART.	TOTAL THICKNESS	HEATED SURFACE (mm)	CODE	N. PANELS	SMQ
P107A	15 mm	1200x600	88P1072099A	22	15,84

Panel with hollow reliefs in recycled plastic including elastic EPS of blue colour, in compliance with Standard EN 13163. The hollow reliefs allow the surface screed to wrap the panel, thus calculating the thickness of the screed from the base of the insulating panel and making it sufficient a height above the panel of only 10 mm. Suitable for 16mm and 17mm pipe; 50 mm pitch and multiple circuits.



ART. P115

ART.	TOTAL THICKNESS	INSULATING THICKNESS	EPS	HEATED SURFACE (mm)	CODE	N. PANELS	SMQ
P115	23 mm	5 mm	400	1400x800	88P1152399	12	13,44
P115	28 mm	10 mm	200	1400x800	88P1152899	24	26,88

Insulation panel for underfloor radiant systems, made of white expanded polystyrene (EPS) and laminated with a black thermoformed high-impact polystyrene (HIPS) film with a thickness of 650 µm. The panel is CE marked and suitable for water-based radiant systems for heating and cooling integrated into structures in accordance with UNI EN 1264 standards. Reduced thickness, low thermal inertia, and diagonal pipe layout. The knobs, shaped with dedicated retention teeth, allow easy insertion of 16 and 17 mm pipes while ensuring they remain securely in place. The insulation laminated to the panel is designed to provide the screed with mechanical strength while meeting the thermal resistance requirements of the standards using minimal insulation thickness. **AVAILABLE ON REQUEST WITH INSULATION HEIGHTS UP TO 60 MM AND IN GRAPHITE AND CAM CONFIGURATION.**



ART. P198 - PE-Xa

ART.	SIZE (mm)	AMOUNT OF WATER l/m	CODE	METERS FOR PALLET
P198	12x1,1	0,063	88P198GB20098	200 m 5000
P198	16x2	0,113	88P198GH20098	200 m 3800
P198	17x2	0,113	88P198BS20098	200 m 3800
P198	17x2	0,113	88P198BS40098	400 m 3200
P198	17x2	0,113	88P198BS60098	600 m 4800
P198	20x2	0,200	88P198BQ60098	600 m 4200

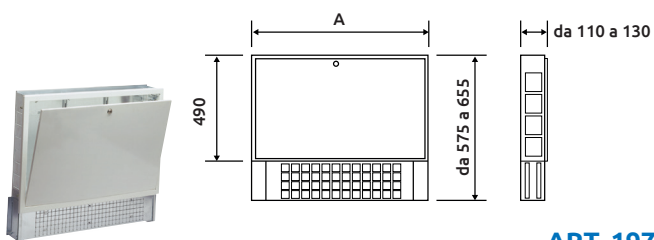
High Density Polyethylene Cross-linked **PE-Xa** pipe, consisting of three layers, manufactured according to the peroxides method and the EN ISO 15875 standard. Max. Temperature 95 °C, working pressure 6 bar, minimum bend radius 5xD; natural colour.



ART. P193 - PE-Xc/AL/PE-Xb Non-insulated

ART.	SIZE (mm)	ALUMINIUM THICKNESS	AMOUNT OF WATER l/m	CODE	METERS FOR PALLET
P193	16x2	0,30 mm	0,113	88P193GH20099	200 m 2400
P193	16x2	0,30 mm	0,113	88P193GH50099	500 m 6000
P193	20x2	0,40 mm	0,200	88P193BQ10099	100 m 1400
P193	26x3	0,60 mm	0,314	88P193GP05099	50 m 600
P193	32x3	0,80 mm	0,531	88P193GQ05099	50 m 500

Multilayer Cross-linked Polyethylene **PE-Xc/AL/PE-Xb** pipe, manufactured in compliance with UNI EN ISO 21003 standard; suitable for sanitary and heating systems. Working temperature 70°C; 10 Bar pressure; max. temperature 95°C; in compliance with DVGW W542 standards. Butt-welded aluminium core. The pipe inner part is made of PE-Xc, the external one of PE-Xb. The aluminium minimum thickness is 0,3 mm.



ART. 197

ART.	SIZE A (mm)	CODE	METERS FOR PALLET
197	600	87197OC09	1
197	700	87197OF09	1
197	850	87197OK09	1
197	1000	87197OG09	1
197	1200	87197OH09	1

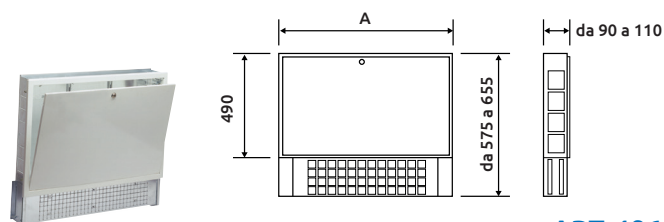
White RAL 9010 painted cabinet for underfloor heating systems with lock. Adjustable height (from 630 mm to 930 mm) and depth (from 110 mm to 130 mm). It is possible to regulate the internal position of the manifold (up-down and laterally). **For manifolds with circulating pump.** Sheet frame and cover thickness 1 mm for a high constructive solidity.



ART. P197 - PERT-AL-PERT

ART.	MISURA (mm)	SPessore ALLUMINIO	CONTENUTO ACQUA l/m	CODICE	METRI PER BANCALE
P197	16x2	0,20 mm	0,113	88P197GH10099**	100 m 2200
P197*	16x2	0,20 mm	0,113	88P197GH50099SC	500 m 4000
P197*	20x2	0,20 mm	0,200	88P197BQ10099C**	100 m 1900
P197	20x2	0,20 mm	0,200	88P197BQ50099	500 m 2500
P197	26x3	0,30 mm	0,314	88P197GP05099	50 m 750
P197	32x3	0,60 mm	0,531	88P197GQ05099	50 m 500

Multilayer Polyethylene **PERT-AL-PERT** pipe, manufactured in compliance with UNI EN ISO 21003 standard; white colour; Working temperature 70°C, Working pressure 6 Bar, Max temperature 95°C. PERT Polyethylene: Polyethylene of raised temperature resistance. Butt-welded aluminium core. ***Boxed pipe. **RUNNING OUT OF PRODUCTION.**



ART. 196

ART.	SIZE A (mm)	CODE	METERS FOR PALLET
196	500	87196OE09	1
196	700	87196OF09	1
196	850	87196OK09	1
196	1000	87196OG09	1
196	1200	87196OH09	1

White RAL 9010 painted cabinet for underfloor heating systems with lock. Adjustable height (from 630 mm to 930 mm) and depth (from 90 mm to 110 mm). It is possible to regulate the internal position of the manifold (up-down and laterally). **For manifolds without circulating pump.** Sheet frame and cover thickness 1 mm for a high constructive solidity.

PRODOTTI CORRELATI



BRASS AND STAINLESS STEEL DISTRIBUTION MANIFOLDS
Chapter B5 from page 69 to 95



FITTING FOR PIPES
Chapter B9 page 107



ART. P100

ART.	SIZE	CODE	
P100	h. 150 mm	88P100O099	50 m
P100	h. 250 mm	88P1002599	50 m

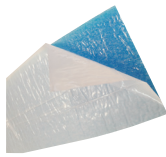
Insulating adhesive perimeter strip made of closed-cell polyethylene foam, suitable for the installation of radiant panels. It absorbs the thermal dilatations of the panel and the film prevents the cements mixture from seeping in the lower part of the panel. Available in 50 mt rolls only.



ART. P108

ART.	SIZE	THICKNESS	CODE	
P108	h. 150 mm	8 mm	88P108FA99L	25 m

Insulating adhesive perimeter strip made of closed-cell polyethylene foam, **L pre-formed and ideal for heat-insulating panels**. It absorbs the thermal dilatations of the panel and the film prevents the cements mixture from seeping in the lower part of the panel. Suitable for panel art. P106. Available in 25 mt rolls.



ART. P118

ART.	SIZE	CODE	
P118	8 mm	88P118802099	20 m

Insulating adhesive perimeter strip for reduced thicknesses screeds in closed cell expanded polyethylene foam. It absorbs the thermal dilatations of the panel. Available in 20 m rolls.



ART. P211

ART.	SIZE	CODE	
P211	140x2 m	88P211O099	280 smq

Polyethylene film. 0,10 mm Thickness. Available in 280 smq rolls. It is used below insulating panels to prevent moisture infiltration or in dry installations systems to avoid the friction between two different metals or components.



ART. P215

ART.	SIZE	CODE	
P215	16-18	88P215BG99	50
P215	20	88P215BH99	50

Polyamide 90° pipe bend for Ø 16-17-18-20 mm pipes; it can be placed during or after pipe installations and it is ideal for piping near manifolds.



ART. P201

ART.	SIZE	THICKNESS	CODE		PALLET
P201	50	16-17	88P2011799	32 m	896 m
P201	50	20	88P2012099	32 m	896 m

Impact-resistant plastic and self adhesive bar for Ø 16-17 and 20 mm pipes; 50 mm pitch and multiple circuits; 2 mt long.



ART. P216

ART.	SIZE	CODE	
P216	16-17 mm	88P216O099	100 pcs.

Pipe fixing clip to be positioned between the reliefs. Suitable for thermoformed insulating panel art. P105 and P106.




ART. P202

ART.	SIZE	CODE	
P202	16-17-20 mm	88P202O099	500 pcs.

Clip to manually fix Ø 16-17-20 mm pipes on flat panels.




ART. P203

ART.	PIPE SIZE	CODE	
P203	16-17-20 mm	88P203OO99	300 pcs.

Clips to automatically fix the pipe. Made of plastic and adhesive-joined. Insertion with clip fixing tool. Ideal for flat panels.



ART. P212

ART.	PIPE SIZE	CODE	
P212	16-17-20 mm	88P2122099	1000

Clip to be hooked to the grid with 3 mm wire, which enables to bury Ø 16-17-20 mm pipes in concrete.



ART. P203
+
ART. P204
=

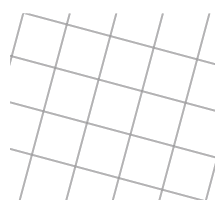
TIME
SAVING




ART. P204

ART.	CODE	
P204	88P204OO99	1

Pipe fixing tool with clips art. P203. It permits an upright position whilst working minimizing fatigue.




ART. P219

ART.	CODE	
P219	88P219OO99	50 mq

Glass fiber mesh. Size: 40x40 mm. Rolls: 50 mq, h=1 mt. It allows a better uniformity during the ripening step of the screed.




ART. P205

ART.	CODE	
P205	88P205OO99	1
P205 with case	88P205OO98	1

Unwinder for pipes with max. 20 mm diameter and 600 mt. length. It can be supplied in a wooden case for housing and transportation.



ART. P214

ART.	SIZE	CODE	
P214	8 mm	88P214OO99	100

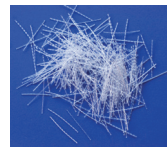
Panel locking plug with 8 mm diameter for flat panels.




ART. P217

ART.	CODE	
P217	88P2170099	2 mt

Expansion joint in expanded Polyethylene, density 50 kg/mc. H-shaped profile, adhesive stripe, red coloured. 2 mt. bar.




ART. P226

ART.	CODE	
P226	88P2260699	5 kg

Macro Synthetic Fiber made from extrusion of polypropylene-based synthetic polymers, with "wavy" profile, optimized for increasing the adhesion to cementitious matrix of the conglomerate. It reinforces concrete, increasing its ductility and toughness.




ART. P207

ART.	CODE	
P207	88P2070099	0,6 kg

Polypropylene fibers flakes to protect against plastic shrinkage cracks. The fibers must be added to the dry components before the mixture or to the ready dough in the cement mixer before casting; the minimum dosage recommended is a bag of 0.6 kg per m3 of concrete.




ART. P220

ART.	DOSAGE	CODE	
P220	1,5 %	88P2200199	lt. 1

Corrosion inhibitor liquid with bactericide to be used to fill in the system. It prevents carbonates to adhere and protects common metals from oxidation and corrosion. It contains a strong biocide able to considerably reduce the algae and biological products development in heating systems. Art. P220 forms a monomolecular protective film on the walls of the heating and cooling systems and removes the thermal and gaseous strains due to the coupling of different metals. Suitable for a good maintenance of the hydraulic circuit system. Dosage: 1,5% of the total water in the system.



ART. P210

ART.	CODE	
P210	88P2101099	tank 10 L.

Super-fluidifying additive based on modified polycarboxylates, particularly recommended for screeds, lowered screeds, ready-mix concrete and civil construction sites. It is intended to create a strong reduction of water (> 20 %) and/or an increase in the workability of concrete.

RANGE OF DEHUMIDIFIERS

Range of dehumidifiers for radiant air conditioning systems, in the versions for recessed wall mounting and for ceiling mounting.


Technical characteristics:

- Structure in galvanized steel plate
- Regenerative synthetic filter under G3 class
- Single-phase multispeed centrifugal fan
- Reciprocating hermetic compressor
- Ecological gas R134a
- Electronic led display board for management and control of all operating functions
- High silence level
- The models for ceiling mounting are also available in the cooling “-C” version with integrated unit



SIZE (mm)			Weight (kg)
L	H	P	
623	250	695	35


ART. P408-220C

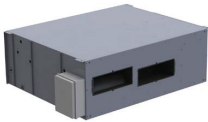
ART.	DESCRIPTION	CONDENSED HUMIDITY [lt/24h]	NOMINAL AIRFLOW RATE [mc/h]	AVAILABLE SENSITIVE POWER [Watt]	CODE	
P408-220C	Ceiling mounting equipment with integrated unit	22	220	840	88P408DHS220C	1



SIZE (mm)		
L	H	P
803	260	622


ART. P408-300 / ART. P408-300C

ART.	DESCRIPTION	CONDENSED HUMIDITY [lt/24h]	NOMINAL AIRFLOW RATE [mc/h]	AVAILABLE SENSITIVE POWER [Watt]	CODE	
P408-300	Ceiling mounting	34	300	-	88P408DHS300	1
P408-300C	Ceiling mounting equipment with integrated unit	34	300	960	88P408DHS300C	1



SIZE (mm)		
L	H	P
858	309	708


ART. P408-500 / ART. P408-500C

ART.	DESCRIPTION	CONDENSED HUMIDITY [lt/24h]	NOMINAL AIRFLOW RATE [mc/h]	AVAILABLE SENSITIVE POWER [Watt]	CODE	
P408-500	Ceiling mounting	68	500	-	88P408DHS500	1
P408-500C	Ceiling mounting equipment with integrated unit	68	500	1800	88P408DHS500C	1



SIZE (mm)		
L	H	P
402	622	203


ART. P409-200

ART.	DESCRIPTION	CONDENSED HUMIDITY [lt/24h]	NOMINAL AIRFLOW RATE [mc/h]	AVAILABLE SENSITIVE POWER [Watt]	CODE	
P409-200	Built-in wall system	14	200	-	88P409DHP200	1




SIZE (mm)		
L	H	P
730	732	203

ART. P409-300 / ART. P409-300C

ART.	DESCRIPTION	CONDENSED HUMIDITY [lt/24h]	NOMINAL AIRFLOW RATE [mc/h]	AVAILABLE SENSITIVE POWER [Watt]	CODE	
P409-300	Built-in wall system	34	300	-	88P409DHP300	1
P409-300C	Built-in wall system with integrated unit	34	300	960	88P409DHP300C	1

ACCESSORIES FOR CEILING MOUNTING DEHUMIDIFIERS

CODE	DESCRIPTION	TO COMBINE WITH ART.	
88P409200PWB	Structure in galvanized steel plate	P409-200	1
88P409200PPF	Front grille in lacquered wood	P409-200	1
88P409300PWB	Structure in galvanized steel plate	P409-300/300C	1
88P409300PPF	Front grille in lacquered wood	P409-300/300C	1

ACCESSORIES FOR DEHUMIDIFIERS

ART.	CODE	DESCRIPTION	
P418	88P4180153	Electronic built-in humidifier	1

PERFORMANCE


MODEL:		P408-220	P408-220C	P408-300	P408-300C	P408-500	P408-500C
CONDENSED HUMIDITY	l/24h	22		34		68	
EVAPORATOR CAPACITY	W	1020					
HEAT LOAD OF WATER	W	870	1820				
NOMINAL WATER FLOW RATE	m ³ /h	0,34	0,39	0,18	0,26	0,36	0,52
WATER PRESSURE DROP	kPa	30		12	25	16	26
SENSIBLE COOLING CAPACITY	W	-	840	-	960	-	1800
ELECTRICAL SUPPLY	V/ph/Hz	230/1/50					
TOTAL POWER INPUT	W	350		460		880	
ABSORBED CURRENT	A	2		3		4,9	
FAN							
TYPE		Double inlet centrifugal fan					
AVAILABLE FAN SPEEDS		H/M/L					
NOMINAL FAN SPEED SET		M		M		M	
NOMINAL AIRFLOW RATE	m ³ /h	220		300		500	
EXTERNAL STATIC PRESSURE	Pa	20		~30		~30	
COMPRESSOR							
TYPE		Reciprocating hermetic					
REFRIGERANT	Type	R134a					
	g	340		360			
OPERATING RANGE							
INLET AIR TEMPERATURE	°C	15÷32		10÷32		10÷32	
INLET WATER TEMPERATURE (WHEN DEHUMIDIFYING)	°C	10÷21		10÷21		10÷21	
NOISE LEVEL							
NOISE PRESSURE LEVEL	Distance	1 mt.		3 mt.		3mt.	
	dB(A)	42		47		39	

PERFORMANCE

MODEL:		P409-200	P409-300	P409-300C
CONDENSED HUMIDITY	l/24h	14	34	
NOMINAL WATER FLOW RATE	mc/h	0,08	0,18	0,26
WATER PRESSURE DROP	kPa	2,3	12	25
SENSIBLE COOLING CAPACITY	W	-	-	960
ELECTRICAL SUPPLY	V/ph/Hz	230/1/50		
TOTAL POWER INPUT	W	320	460	
ABSORBED CURRENT	A	1,9	3	
FAN				
TYPE		Double inlet centrifugal fan		
AVAILABLE FAN SPEEDS		H/M/L		
NOMINAL FAN SPEED SET		M		
NOMINAL AIRFLOW RATE	m ³ /h	220	300	
EXTERNAL STATIC PRESSURE	Pa	20	~30	
COMPRESSOR				
TYPE		Reciprocating hermetic		
REFRIGERANT	Tipo	R134a		
OPERATING RANGE				
INLET AIR TEMPERATURE	°C	8÷32	10÷32	
INLET WATER TEMPERATURE (WHEN DEHUMIDIFYING)	°C	10÷21	10÷21	
NOISE LEVEL:				
NOISE PRESSURE LEVEL	Distance	3 mt.	3 mt.	
	dB(A)	34	38	



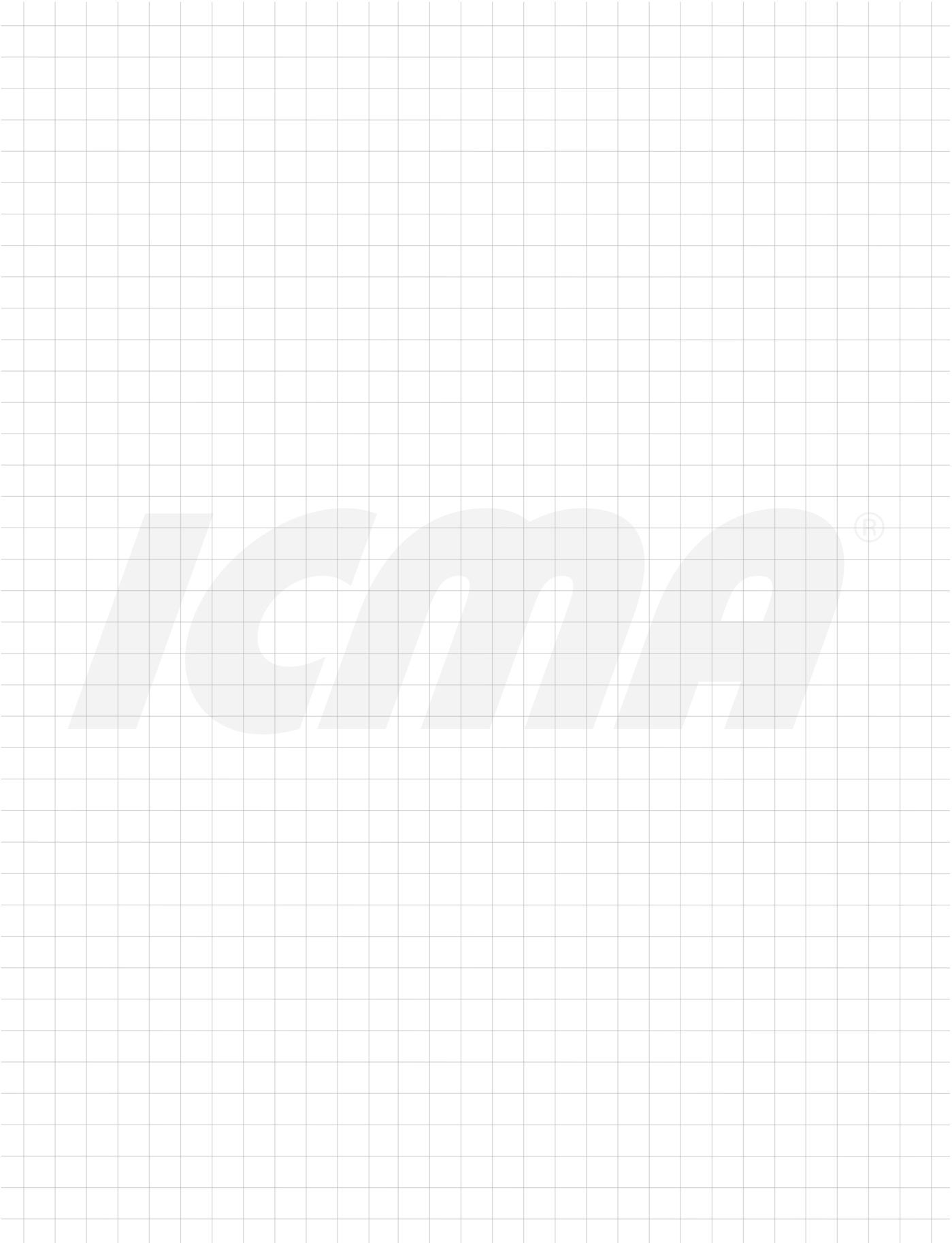
ART. P450

ART.	DESCRIPTION	EFFICIENCY CERAMIC HEAT EXCHANGER	NOMINAL AIRFLOW RATE [mc/h]	POWER CONSUMPTION [Watt]	CODE	
P450	Single Room	93%	60	8,9	88P450SR60	1

Reversible flow heat-recovery unit complete with ceramic-type heat exchanger. Swing front panel to avoid undesired air return when the product is switched off. Highly silent model. Condensate drain not required. DC motor on ball bearings with reduced consumption and long-term reliability. Separate double filters at air inlet and outlet. Duct variable in length from 250 to 500 mm. Maximum allowable length 3 mt. (2,5 mt. if a 90° bend is present). Visual indicators for commands reception and filters cleaning. Operating mode adjustable by remote control. Buzzer indicator for commands reception.

PERFORMANCE

MODEL:		P450	
SIZE	Ø mm	160	
VOLTAGE	Volt	220-240	
FREQUENCY SIGNAL	Hz	50-60	
FLOW RATE	m ³ /h	in: 60	out: 60
MAX PRESSURE	mm H ₂ O	3,7	
MAX PRESSURE	Pa	36	
POWER	W	9	
NOISE LEVEL	dB(A) ^{3m}	23	





20.9



D

TEMPERATURE REGULATION AND CONTROL PRODUCTS AND COMPONENTS



D1 WIRED CONTROL
ROOM TEMPERATURE
SYSTEMS
page 124



D2 WIRED CONTROL
ROOM TEMPERATURE
AND HUMIDITY SYSTEMS
page 125



ART. P308

ART.	VOLTAGE	OUTLETS	CODE	
P308	230 volt	6	88P3080653	1
P308	230 volt	12	88P3081253	1
P308	230 - 24 volt	8	88P3080854P	1

Relay module, 6 or 12 ways, for underfloor heating systems. It receives the signal from the room thermostat and addresses it to the electrothermic actuator. It allows to rationalize the wire passage in the manifold box.



ART. P411

ART.	VOLTAGE	CODE	
P411	BATTERY POWER	88P4110199	1

Battery-powered **weekly electronic chronothermostat**. Setting range 0°C - 37,7°C; 3 temperature levels. For Heating and Conditioning.



ART. P410

ART.	VOLTAGE	CODE	
P410	BATTERY POWER	88P4100199	1

Battery-powered **daily digital chronothermostat** with lock-in time band pointers. Setting range 5°C - 35°C. For Heating and Conditioning.



ART. P416

ART.	VOLTAGE	CODE	
P416	BATTERY POWER	88P4160199	1

Electronic ambient thermostat with LCD display. Setting range 2°C - 35°C.



ART. P417

ART.	VOLTAGE	CODE	
P417	BATTERY POWER	88P4170199	1

Flush-mounting thermostat with LCD display and battery-supply. The product is provided with frames, to make it suitable for plates of the most common domestic range. Setting range 2°C - 35°C. For Heating and Conditioning. The package contains white and anthracite grey frames.




ART. P311

ART.	VOLTAGE	CODE	
P311	230 volt	88P3110153	1

Electromechanical room thermostat with on-off signal light and switch. Setting range 5°C - 30°C.




ART. P418

ART.	VOLTAGE	CODE	
P418	230 volt	88P4180153	1

Electronic flush-mounting humidistat with power supply. The product is provided with frames, to make it suitable for plates of the most common domestic range. Setting range 30+90 RH. The package contains white and anthracite grey frames.



ART. P419

ART.	VOLTAGE	CODE	
P419	BATTERY POWER	88P4190199	1

Weekly programmable thermostat with built-in humidity sensor for temperature regulation and room humidity control. Temperature setting range 2°C - 35°C., humidity setting range 30+90 RH, daily programs with 3 temperature levels. For heating and air conditioning.



E

FLOW RATE AND TEMPERATURE CONTROL VALVES



E1 BALANCING VALVES FOR
HYDRAULIC CIRCUITS AND
HYDRAULIC COMPENSATORS
page 128



E2 THERMOSTATIC MIXERS,
SHOCK ABSORBERS,
MIXING VALVES
page 130

For **solar** thermostatic mixing and diverting valves see chapter H.



ART. C298

ART.	SIZE	DN	KVS	CODE		
C298	1"M-1"F	20	5,45	92C298AE05	1	10

Calibration and balancing valve for heating, cooling and sanitary systems. Equipped with a calibration indicator and antitampering setting lock. When the value of the valve is set, it can be opened or closed, but not at a higher kv value than the set one. PN20, max. working temperature 120°C, EPDM gaskets, brass body. 1"M e 1"F connections (revolving nut).



ART. C301

ART.	DN	KVS	CODE	
C301	65	93,50	92C301AK05	1
C301	80	110,00	92C301AL05	1
C301	100	190,00	92C301AN05	1
C301	125	301,00	92C301AP05	1
C301	150	425,00	92C301AR05	1

Calibration and balancing valve with flanged connections and self-sealing measuring sockets for heating, cooling and sanitary systems. Flanged body in cast iron. Equipped with a calibration indicator and antitampering setting lock. When the value of the valve is set, it can be opened or closed, but not at a higher kv value than the set one. PN16, max. working temperature 120°C, EPDM gaskets.



ART. C299

ART.	SIZE	DN	KVS	CODE		
C299	1/2"	15	2,99	92C299AD05	1	20
C299	3/4"	20	5,45	92C299AE05	1	10
C299	1"	25	9,56	92C299AF05	1	10
C299	1"1/4	32	12,77	92C299AG05	1	5
C299	1"1/2	40	21,80	92C299AH05	1	5
C299	2"	50	35,50	92C299AJ05	1	5

Calibration and balancing valve for heating, cooling and sanitary systems. Equipped with a calibration indicator and antitampering setting lock. When the value of the valve is set, it can be opened or closed, but not at a higher kv value than the set one. PN20, max. working temperature 120°C, EPDM gaskets, brass body.



ART. C320

ART.	CODE	
C320	92C3200199	1

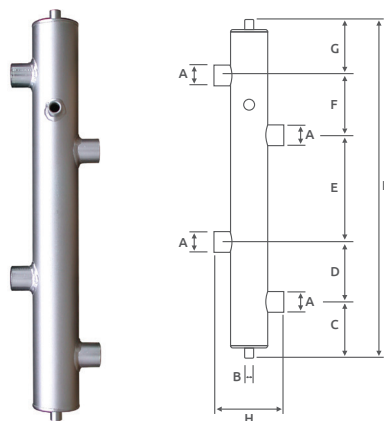
Pump delivery and pressure meter. Suitable for balancing of heating, cooling and sanitary circuits. The device can store and transfer data to an excel file via Bluetooth.



ART. C300

ART.	SIZE	DN	KVS	CODE		
C300	1/2"	15	2,99	92C300AD05	1	20
C300	3/4"	20	5,45	92C300AE05	1	10
C300	1"	25	9,56	92C300AF05	1	10
C300	1"1/4	32	12,77	92C300AG05	1	5
C300	1"1/2	40	21,80	92C300AH05	1	5
C300	2"	50	35,50	92C300AJ05	1	5

Calibration and balancing valve with threaded connections and self-sealing measuring sockets for heating, cooling and sanitary systems. Equipped with a calibration indicator and antitampering setting lock. When the value of the valve is set, it can be opened or closed, but not at a higher kv value than the set one. PN20, max. working temperature 120°C, EPDM gaskets, brass body.



ART. C303



ART. C313

ART.	SIZE	CODE	
C303	1"	92C303AF06	1
C303	1"1/4	92C303AG06	1
C303	1"1/2	92C303AH06	1
C303	2"	92C303AJ06	1

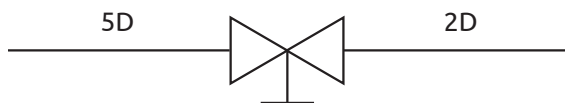
ART.	SIZE	CODE	
C313	1"	92C313AF66	1
C313	1"1/4	92C313AG66	1
C313	1"1/2	92C313AH66	1
C313	2"	92C313AJ66	1

ART.	A	B	C	D	E	F	G	H	I
C303	1"	3/8"	127	150	150	150	127	135	704
C303	1"1/4	3/8"	127	150	250	150	127	175	804
C303	1"1/2	3/8"	127	150	250	150	127	175	804
C303	2"	3/8"	127	150	350	150	127	201	904

Insulation shell for Hydraulic separator art. C303.

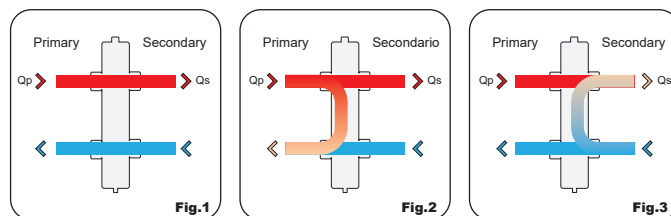
Hydraulic separator for heating systems. It is used to keep the primary and the secondary hydraulic circuits separated, allowing them to operate autonomously. Threaded female connections. Max. working pressure 10 bar, max. working temperature 100°C.

**BALANCING VALVE
INSTALLATION SCHEME**



For a correct installation of the balancing valve, leave a draft of pipe of length equal to 5 times the nominal diameter upstream the valve, equal to twice downstream. Such drafts must be linear, without curves or diameter changes to avoid turbulences which can compromise the regulations.

**HYDRAULIC COMPENSATORS
OPERATING SCHEME**

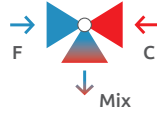


$Q_{primary} = Q_{secondary}$

$Q_{primary} > Q_{secondary}$

$Q_{primary} < Q_{secondary}$

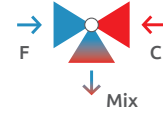
Q = Flow rate



ART. 148

ART.	SIZE	Kv m ³ /h	CODE		
148	1/2"	1,5	90148AD05	1	10
148	3/4"	2	90148AE05	1	10
148	1"	3	90148AF05	1	10

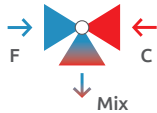
Thermostatic mixer, with male threaded union connections. Max. working pressure 10 bars, max. working temperature 85°C, temperature setting on mixed way 30-60°C. Side hot/cold water inlets, **lower mixed way**.



ART. 166

ART.	SIZE	Kv m ³ /h	CODE		
166	3/4"	1,5	90166AD05	1	10
166	1"	2	90166AE05	1	10
166	1 1/4"	3	90166AF05	1	10

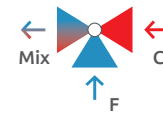
Thermostatic mixer with male connections. Max. working pressure 10 bars, max. working temperature 85°C, temperature setting on mixed way 30-60°C. Side hot/cold water inlets, **lower mixed way**.



ART. 149

ART.	SIZE	Kv m ³ /h	CODE		
149	1/2"	1,5	90149AD05	1	10
149	3/4"	2	90149AE05	1	10
149	1"	3	90149AF05	1	10

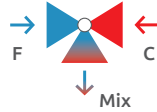
Thermostatic mixer with female connections. Max. working pressure 10 bars, max. working temperature 85°C, temperature setting on mixed way 30-60°C. Side hot/cold water inlets, **lower mixed way**.



ART. 142

ART.	SIZE	Kv m ³ /h	CODE		
142	1/2"	1,5	90142AD05	1	10
142	3/4"	2	90142AE05	1	10

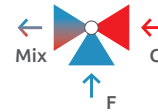
Thermostatic mixer, with male threaded union connections. Max. working pressure 10 bars, max. working temperature 85°C, temperature setting on mixed way 30-60°C. Hot water side inlet, cold water lower inlet, **side mixed way**.



ART. 165

ART.	SIZE	Kv m ³ /h	CODE		
165	3/4"	2	90165AE05	1	10

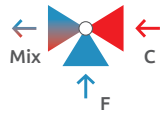
Thermostatic mixer with male threaded union connections, **check valve on hot/cold ways**. Max. working pressure 10 bars, max. working temperature 85°C. Temperature setting on mixed way 30-60°C. Side hot/cold water inlets, **lower mixed way**.



ART. 143

ART.	SIZE	Kv m ³ /h	CODE		
143	1/2"	1,5	90143AD05	1	10
143	3/4"	2	90143AE05	1	10

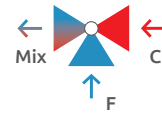
Thermostatic mixer with female connections. Max. working pressure 10 bars, max. working temperature 85°C, temperature setting on mixed way 30-60°C. Hot water side inlet, cold water lower inlet, **side mixed way**.



ART. 144

ART.	SIZE	Kv m ³ /h	CODE		
144	3/4"	2	90144AE05	1	10

Thermostatic mixer, with male threaded union connections, **check valves on hot/cold water ways**. Max. working pressure 10 bars, max. working temperature 85°C, temperature setting on mixed way 30-60°C. Hot water side inlet, cold water lower inlet, **side mixed way**.



ART. 145

ART.	SIZE	Kv m ³ /h	CODE		
145	3/4"	1,5	90145AD05	1	10
145	1"	2	90145AF05	1	10

Thermostatic mixer with male connections. Max. working pressure 10 bars, max. working temperature 85°C, temperature setting on mixed way 30-60°C. Hot water side inlet, cold water lower inlet, **side mixed way**.



ART. S119

ART.	SIZE	CODE	
S119	1/2"	91S119AD06	10

Shock absorber, connection 1/2", in stainless steel, capacity 0-16 l.



F

WATER & GAS NETWORK PRODUCTS AND COMPONENTS



F1 PRESSURE REDUCERS FOR WATER
page 134



F7 EQUIPMENT FOR PRESS-FITTINGS SEMPIGAS AND SEMPITER MULTILAYER PIPING
page 162



F2 FILTERS AND NON RETURN VALVES, GATE VALVES, MAGNETIC DIRT SEPARATORS, CHECK AND FOOT VALVES
page 136



F8 UNIVERSAL FITTINGS FOR MULTILAYER PIPE, PEX AND COPPER
page 164



F3 BALL VALVES/MINI BALL VALVES
page 141



F9 FITTINGS
page 168



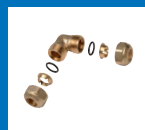
F4 MULTILAYER GAS PIPE AND SEMPIGAS PRESS FITTINGS, WITH TH PROFILE
page 145



F10 FITTINGS FOR COOLING SYSTEMS
page 180



F5 MULTILAYER PIPE AND SEMPITER PRESS FITTINGS, MULTICLIP TH, H, U
page 149



F11 SCREW FITTINGS WITH O-RING SEAL FOR COPPER PIPING, FOR WATER AND GAS
page 182



F6 UNDER-SINK REGULATING VALVES
page 161



For better functioning we suggest the installation with our art.50, on page 139



ART. 245

ART.	SIZE	CODE		
245	1/2"	91245AD05	1	20
245	3/4"	91245AE05	1	10
245	1"	91245AF05	1	10
245	1" 1/4	91245AG05	1	5
245	1" 1/2	91245AH05	1	5
245	2"	91245AJ05	1	1

Pressure reducer with female tail connections. Two 1/4" connections for manometers. Piston technology, 18/10 inox steel. Max.inlet pressure 40 bar, adjustable outlet pressure from 1 bar to 6 bar (company setting 3 bar), max. working temperature 90°C. The product complies with the EN1567 standard.



For better functioning we suggest the installation with our art.50, on page 139



ART. 246

ART.	SIZE	CODE		
246	1/2"	91246AD05	1	20
246	3/4"	91246AE05	1	20
246	1"	91246AF05	1	10
246	1" 1/4	91246AG05	1	5
246	1" 1/2	91246AH05	1	5
246	2"	91246AJ05	1	5
246	2"1/2	91246AK05	1	5

Female pressure reducer. Two 1/4" connections for manometers. Piston technology, 18/10 inox steel. Max. inlet pressure 40 bar, adjustable outlet pressure from 1 bar to 6 bar (company setting 3 bar), max. working temperature 90°C. The product complies with the EN1567 standard.



For better functioning we suggest the installation with our art.50, on page 139



ART. 245 + ART. 243

ART.	SIZE	CODE		
245+243	1/2"	91245AD05 243	1	20
245+243	3/4"	91245AE05 243	1	10
245+243	1"	91245AF05 243	1	10
245+243	1" 1/4	91245AG05 243	1	5
245+243	1" 1/2	91245AH05 243	1	5
245+243	2"	91245AJ05 243	1	1

Pressure reducer with female tail connections. Two 1/4" connections for manometers. Piston technology, 18/10 inox steel. Max.inlet pressure 40 bar, adjustable outlet pressure from 1 bar to 6 bar (company setting 3 bar), max. working temperature 90°C. **With pressure gauge.** The product complies with the EN1567 standard.



For better functioning we suggest the installation with our art.50, on page 139



ART. 246 + ART. 243

ART.	SIZE	CODE		
246+243	1/2"	91246AD05 243	1	20
246+243	3/4"	91246AE05 243	1	20
246+243	1"	91246AF05 243	1	10
246+243	1" 1/4	91246AG05 243	1	5
246+243	1" 1/2	91246AH05 243	1	5
246+243	2"	91246AJ05 243	1	5
246+243	2"1/2	91246AK05 243	1	5

Female pressure reducer. Two 1/4" connections for manometers. Piston technology, 18/10 inox steel. Max. inlet pressure 40 bar, adjustable outlet pressure from 1 bar to 6 bar (company setting 3 bar), max. working temperature 90°C. **With pressure gauge.** The product complies with the EN1567 standard.



For better functioning we suggest the installation with our art.50, on page 139



ART. 271

ART.	SIZE	CODE		
271	1/2"	91271AD05	1	10
271	3/4"	91271AE05	1	10
271	1"	91271AF05	1	5
271	1" 1/4	91271AG05	1	5

Pressure reducer with male tail connections. Two 1/4" connections for manometers. Piston technology, 18/10 inox steel. Max. inlet pressure 40 bar, adjustable outlet pressure from 1 bar to 6 bar (company setting 3 bar), max. working temperature 90°C. The product complies with the EN1567 standard.



For better functioning we suggest the installation with our art.50, on page 139



ART. 247

ART.	SIZE	CODE		
247	1/2"	91247AD06	1	50
247	3/4"	91247AE06	1	50

Female pressure reducer. 1/4" connection for manometer. Piston technology, max.inlet pressure 16 bar, adjustable outlet pressure from 1 bar to 4 bar (company setting 3 bar), max. working temperature 90°C.



For better functioning we suggest the installation with our art.50, on page 139



ART. 271 + ART. 243

ART.	SIZE	CODE		
271+243	1/2"	91271AD05 243	1	10
271+243	3/4"	91271AE05 243	1	10
271+243	1"	91271AF05 243	1	5
271+243	1" 1/4	91271AG05 243	1	5

Pressure reducer with male tail connections. Two 1/4" connections for manometers. Piston technology, 18/10 inox steel. Max.inlet pressure 40 bar, adjustable outlet pressure from 1 bar to 6 bar (company setting 3 bar), max. working temperature 90°C. **With pressure gauge.** The product complies with the EN1567 standard.



For better functioning we suggest the installation with our art.50, on page 139



ART. 248

ART.	SIZE	CODE		
248	1/2"	91248AD06	1	50
248	3/4"	91248AE06	1	50

Female pressure reducer. Piston technology, max.inlet pressure 16 bar, adjustable outlet pressure from 1 bar to 4 bar (company setting 3 bar), max. working temperature 90°C.



ART. 750

ART.	FEMALE SIZE	MALE SIZE	CODE		
750	1/2"	3/4"	83750AD05	1	10
750	3/4"	1"	83750AE05	1	10
750	1"	1"1/4	83750AF05	1	10
750	1"1/4	1"1/2	83750AG05	1	10
750	1"1/2	-	83750AH05	1	5
750	2"	-	83750AJ05	1	5

Self-cleaning, female/female and male/male water filter, with removable filtering cartridge in stainless steel, pressure gauge and drain cock, with rubber connection. Filtering degree 100 µ. Max. working pressure 25 bars, Max. working temperature 90°C. **The connections bear female/male thread on both sides, up to 1"1/4 female.** The sizes 1"1/2 and 2" are available with female thread only. Replacement filtering cartridge art.752.



ART. 751

ART.	SIZE	CODE		
751	1/2"	83751AD05	1	10
751	3/4"	83751AE05	1	10
751	1"	83751AF05	1	10
751	1"1/4	83751AG05	1	5

Self-cleaning water filter with male unions. Removable filtering cartridge in stainless steel, pressure gauge and drain cock with rubber connection. Filtering degree 100 µ. Max. working pressure 25 bars. Max. working temperature 90°C. Replacement filtering cartridge art.752.



ART. 752

ART.	FEMALE SIZE	CODE	
752	1/2" - 3/4"	83752AD01	1
752	1" - 1"1/4	83752AF01	1
752	1"1/2 - 2"	83752AH01	1

Cartridge for filters art. 750 and 751.



*Ball drain cock art. 146



**Ball drain cock art. 131

ART. 745

ART.	SIZE	CODE		
745	3/4"	82745AE05*	1	10
745	1"	82745AF05*	1	10
745	1"1/4	82745AG05*	1	5
745	1"1/2	82745AH05*	1	5
745	2"	82745AJ05**	1	5

F/F dirt separator for heating/cooling systems, equipped with ball drain cock and rubber holder. Max. working pressure 10 bars, max. working temperature 110°C, stainless steel mesh.



*Ball drain cock art. 146



**Ball drain cock art. 131

ART. 746

ART.	SIZE	CODE		
746	3/4"	82746AE05*	1	10
746	1"	82746AF05*	1	10
746	1"1/4	82746AG05*	1	5
746	1"1/2	82746AH05*	1	5
746	2"	82746AJ05**	1	5

F-F dirt separator for heating and cooling systems provided with a removable magnetic cartridge to collect ferrous impurities and a drain cock with hose. Max. working pressure 10 bars, Max. working temperature 110°C, stainless steel mesh. **Magnetic field strength of 10.500 Gauss.**

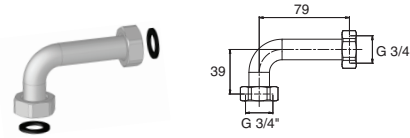


ART. 747

ART.	SIZE	FINISH	CODE		
747	3/4"	BRASS	82747AE05	1	10

Magnetic compact dirt separator for under-boiler installation with a removable magnetic cartridge to collect ferrous impurities and a drain cock with hose. Max. working pressure 10 bars, Max. working temperature 110°C, stainless steel mesh. **Magnetic field strength of 10.500 Gauss.**

- Complete with 3/4" F-F connection fitting to boiler.



ART. 756

ART.	SIZE	FINISH	CODE		
756	3/4"	BRASS	82756AE05	1	
756	3/4"	NICKEL PLATED	82756AE06	1	

Elbow fitting with revolving nut for compact dirt separator/boiler connection Including two flat seat gaskets.



• 3/4" F-F connection fitting to boiler.

82744AE05

82744AG05



ART. 744

ART.	SIZE	CODE		
744	3/4" - 1"	82744AE05*	1	10
744	1"1/4 - 1"1/2 - 2"	82744AG05	1	10

Magnetic candle for dirt separator art. 746. It can also be installed on the dirt separator art. 745 to be converted into a magnetic one. **Magnetic field strength of 10.500 Gauss.**

*Also compatible with ICMA dirt remover art 747 with brass finish.

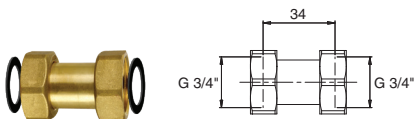


ART. 753

WALL ART. CONNECTION SIZE	BOILER CONNECTION SIZE	FINISH	CODE		
753	3/4" M	3/4" F	NICKEL PLATED 82753AE06	1	10

Under-boiler magnetic filter equipped with interception ball valve. Max. working pressure 10 bar. max working temperature 110°C.

Magnetic field strength of 12.000 Gauss.



ART. 755

ART.	SIZE	FINISH	CODE	
755	3/4"	BRASS	82755AE05	1
755	3/4"	NICKEL PLATED	82755AE06	1

Straight fitting with revolving nut for compact dirt separator/boiler connection. Including two flat seat gaskets.



ART. 758

ART.	SIZE	CODE		
758	1/2" M	82758AD06	1	12

Proportional polyphosphate doser. Max. pressure 8 bar, working temperature 5°C-45°C. 1/2" orientable connections both horizontal and vertical. **RUNNING OUT OF PRODUCTION.**



ART. 762

ART.	SIZE	CODE		
762	3/4"	82762AE06	1	30

Condensate neutralizer for condensing boilers. Max. pressure 3bar, max. flow rate 3 l/h, working temperature 5°C - 55°C. Connection 3/4". Equipped with a straight fitting and an elbow fitting for boiler connection. **RUNNING OUT OF PRODUCTION.**



X 6

ART. 759

ART.	CODE	
759	82759AD06	1

Refill cartridge for Polyphosphate doser art. 758. The package contains No. 6 refill cartridges. **RUNNING OUT OF PRODUCTION.**



ART. 82KITDUO

ART.	CODE	
KITDUO	82KITDUO	1

Boiler protection kit composed of Polyphosphate doser art. 758 + Under-boiler Magnetic Filter art. 753.



X 6

ART. 763

ART.	CODE	
763	82763AE06	1

Refill cartridge for Condensate Neutralizer art. 763. The package contains No. 6 refill cartridges. **RUNNING OUT OF PRODUCTION.**



ART. 82KITTRIO

ART.	CODE	
KITTRIO	82KITTRIO	1

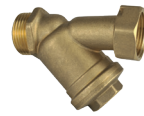
Boiler protection kit composed of Polyphosphate doser art. 758 + Condensate Neutralizer art. 762 + Under-boiler Magnetic Filter art. 753.



ART. 50

ART.	SIZE	FILTER DEGREE	CODE		
50	1/4"	200 µm	83050AB05200	20	180
50	3/8"	200 µm	83050AC05200	20	180
50	1/2"	200 µm	83050AD05200	14	10
50	3/4"	200 µm	83050AE05200	12	6
50	1"	200 µm	83050AF05200	8	6
50	1/4"	400 µm	83050AB05	20	180
50	3/8"	400 µm	83050AC05	20	180
50	1/2"	400 µm	83050AD05	14	10
50	3/4"	400 µm	83050AE05	12	6
NEW 50	3/4"	400 µm	83050AE05R	12	6
50	1"	400 µm	83050AF05	8	6
50	1"1/4	500 µm	83050AG05	5	6
50	1"1/2	500 µm	83050AH05	5	-
50	2"	500 µm	83050AJ05	2	-
50	2"1/2	500 µm	83050AK05	4	-
50	3"	500 µm	83050AL05	-	9
50	4"	500 µm	83050AN05	-	4

Y strainer to hold impurities. Filter degree 400-500 micron.



ART. 96

ART.	SIZE	FILTER DEGREE	CODE		
96	3/4"	1000 µ	83096AE05	20	100
96	1"	1000 µ	83096AF05	20	100

Y strainer to hold impurities with flat seat. Filter degree 1000 micron. **Recommended to protect domestic flowmeters.**



ART. 118

ART.	SIZE	CODE		
118	1/2"	83118AD05	1	250
118	3/4"	83118AE05	1	120
118	1"	83118AF05	1	80
118	1"1/4	83118AG05	1	70
118	1"1/2	83118AH05	1	50
118	2"	83118AJ05	1	25
118	2"1/2	83118AK05	1	18
118	3"	83118AL05	1	14
118	4"	83118AN05	1	8

Filter for non return valve.



ART. 53

ART.	SIZE	CODE		
53	1/2"	83053AD05	15	10
53	3/4"	83053AE05	12	6
53	1"	83053AF05	10	6
53	1"1/4	83053AG05	6	6
53	1"1/2	83053AH05	6	-
53	2"	83053AJ05	4	-
53	2"1/2	83053AK05	2	-
53	3"	83053AL05	1	-
53	4"	83053AN05	1	-

Non return valve, "MONDIAL". Brass shutter.



ART. 40

ART.	SIZE	CODE		
40	1/4"	83040AB05	20	180
40	3/8"	83040AC05	20	180
40	1/2"	83040AD05	20	180
40	3/4"	83040AE05	20	160
40	1"	83040AF05	20	100
40	1"1/4	83040AG05	10	70
40	1"1/2	83040AH05	10	50
40	2"	83040AJ05	5	30
40	2"1/2	83040AK05	5	20
40	3"	83040AL05	-	14
40	4"	83040AN05	-	10

Brass gate valve. Full bore passage PN 10.



ART. 41

ART.	SIZE	CODE		
41	1/2"	83041AD05	20	140
41	3/4	83041AE05	20	100
41	1"	83041AF05	10	70
41	1"1/4	83041AG05	10	40
41	1"1/2	83041AH05	5	35
41	2"	83041AJ05	5	20
41	2"1/2	83041AK05	-	15
41	3"	83041AL05	-	10
41	4"	83041AN05	-	6

Brass gate valve. Full bore passage PN 20.



ART. 52

ART.	SIZE	CODE		
52	3/8"	83052AC05	1	150
52	1/2"	83052AD05	1	150
52	3/4"	83052AE05	1	100
52	1"	83052AF05	1	100
52	1"1/4	83052AG05	1	60
52	1"1/2	83052AH05	1	50
52	2"	83052AJ05	1	25
52	2"1/2	83052AK05	1	18
52	3"	83052AL05	1	10
52	4"	83052AN05	1	5

Check valve with rubber seat.



ART. 51

ART.	SIZE	CODE		
51	3/8"	83051AC05	1	150
51	1/2"	83051AD05	1	150
51	3/4"	83051AE05	1	100
51	1"	83051AF05	1	100
51	1"1/4	83051AG05	1	60
51	1"1/2	83051AH05	1	50
51	2"	83051AJ05	1	25
51	2"1/2	83051AK05	1	18
51	3"	83051AL05	1	10
51	4"	83051AN05	1	5

Check valve with metallic seat.



ART. 49

ART.	SIZE	CODE		
49	1/2"	83049AD05	1	150
49	3/4"	83049AE05	1	100
49	1"	83049AF05	1	100
49	1"1/4	83049AG05	1	60
49	1"1/2	83049AH05	1	50
49	2"	83049AJ05	1	25
49	2"1/2	83049AK05	1	18
49	3"	83049AL05	1	10
49	4"	83049AN05	1	5

Brass foot valve with pattern filter.



ART. 347

ART.	SIZE	PN	CODE		
347	1/2"	50	87347AD11	6	60
347	3/4"	40	87347AE11	4	40
347	1"	40	87347AF11	5	30
347	1" 1/4	30	87347AG11	3	18

Full bore ball valve with pipe tail, red/white coated Aluminum T-handle, M/F connection thread, double O-ring anti-blow out stem. Thread ISO 228.

T-handles available in blue and white versions:

- the blue t-handle code ends with "12" instead of "11".
- the white t-handle code ends with "13" instead of "11".

N.B.: for aluminum lever valve see art. "347 WITH LEVER" at page 143.



ART. 348

ART.	SIZE	PN	CODE		
348	1/2"	50	87348AD11	6	60
348	3/4"	40	87348AE11	4	40

Full bore ball valve with pipe tail, red/white coated Aluminum T-handle, M/F connection thread, double O-ring anti-blow out stem. Thread ISO 228.

T-handles available in blue and white versions:

- the blue t-handle code ends with "12" instead of "11".
- the white t-handle code ends with "13" instead of "11".



ART. 349

ART.	SIZE	PN	CODE		
349	3/8"	50	87349AC11	15	150
349	1/2"	50	87349AD11	10	100
349	3/4"	40	87349AE11	6	60
349	1"	40	87349AF11	6	36
349	1" 1/4	30	87349AG11	4	24

Full bore ball valve, red coated Aluminum T-handle, F/F connection thread, double O-ring anti-blow stem. Thread ISO 228.

T-handles available in blue and white versions:

- the blue t-handle code ends with "12" instead of "11".
- the white t-handle code ends with "13" instead of "11".



ART. 351

ART.	SIZE	PN	CODE		
351	3/8"	50	87351AC11	15	150
351	1/2"	50	87351AD11	10	100
351	3/4"	40	87351AE11	6	60
351	1"	40	87351AF11	6	36
351	1" 1/4	30	87351AG11	4	24

Full bore ball valve, red coated Aluminum T-handle, M/F connection thread, double O-ring anti-blow stem. Thread ISO 228.

T-handles available in blue and white versions:

- the blue t-handle code ends with "12" instead of "11".
- the white t-handle code ends with "13" instead of "11".



ART. 361

ART.	SIZE	PN	CODE		
361	1/2"	50	87361AD11	6	60
361	3/4"	40	87361AE11	4	40
361	1"	40	87361AF11	6	

Full bore angle ball valve, red/white coated Aluminum T-handle, M/F connection thread, double O-ring anti-blow out stem. Thread ISO 228.

T-handles available in blue and white versions:

- the blue t-handle code ends with "12" instead of "11".
- the white t-handle code ends with "13" instead of "11".



ART. 362

ART.	SIZE	PN	CODE		
362	1/2"	50	87362AD11	6	60
362	3/4"	40	87362AE11	4	40

Full bore angle ball valve, red/white coated Aluminum T-handle, M/F connection thread, double O-ring anti-blow out stem. Thread ISO 228.

T-handles available in blue and white versions:

- the blue t-handle code ends with "12" instead of "11".
- the white t-handle code ends with "13" instead of "11".



ART. 215

ART.	SIZE	COLOUR	CODE		
215	1"	RED	87215AF11	5	30
215	1"	BLUE	87215AF12	5	30

Full bore ball valve with pipe tail, red/Blue coated Aluminum T-handle, flat seat connection. Double O-ring anti-blow out stem. Flat seat tail makes these valves perfect for underfloor heating system. Thread ISO 228.



ART. 225

ART.	SIZE	COLOUR	CODE	
225	1"	RED	87225AF11	6
225	1"	BLUE	87225AF12	6

Full bore angle ball valve, red/Blue coated Aluminum T-handle, M/F connection thread, double O-ring anti-blow out stem. Thread ISO 228.



ART. 216

ART.	SIZE	COLOUR	CODE		
216	1"	RED	87216AF11	1	10
216	1"	BLUE	87216AF12	1	10
216	1"1/4"	RED	87216AG11	1	10
216	1"1/4"	BLUE	87216AG12	1	10

Full bore ball valve **with revolving connection (only for 1"1/4 size)**. Tail with O-ring seat with thermometer (thermometer art. 206 0-60° included). Thread ISO 228.



ART. 226

ART.	SIZE	COLOUR	CODE		
226	1"	RED	87226AF11	1	10
226	1"	BLUE	87226AF12	1	10

Full bore angle ball valve. Tail with flat seat with thermometer (thermometer art. 206 0-60° included). Thread ISO 228.



ART. 347 WITH LEVER

ART.	SIZE	PN	CODE	📦	
347	1" 1/2	30	87347AH11	1	
347	2"	25	87347AJ11	2	

Full bore ball valve with pipe tail, red coated Aluminum lever, M/F connection thread, double O-ring anti-blow out stem. Thread ISO 228.



ART. 350

ART.	SIZE	PN	CODE	📦	
350	3/8"	50	87350AC11	10	100
350	1/2"	50	87350AD11	6	60
350	3/4"	40	87350AE11	6	60
350	1"	40	87350AF11	6	36
350	1"1/4	30	87350AG11	4	24
350	1"1/2	30	87350AH11	-	2
350	2"	25	87350AJ11	-	1

Full bore ball valve, red coated Aluminum lever, F/F connection thread, double O-ring anti-blow stem. Thread ISO 228.
Lever available in blue versions: the code ends with "12" instead of "11".



ART. 352

ART.	SIZE	PN	CODE	📦	
352	3/8"	50	87352AC11	10	100
352	1/2"	50	87352AD11	6	60
352	3/4"	40	87352AE11	4	40
352	1"	40	87352AF11	6	36
352	1"1/4	30	87352AG11	2	20
352	1"1/2	30	87352AH11	-	2
352	2"	25	87352AJ11	-	1

Full bore ball valve, red coated Aluminum lever, M/F connection thread, double O-ring anti-blow stem. Thread ISO 228.
Lever available in blue versions: the code ends with "12" instead of "11".



ART. 353

ART.	SIZE	PN	CODE	📦	
352	1/2"	50	87353AD34	6	60
352	3/4"	40	87353AE34	4	40
352	1"	40	87353AF34	6	36
352	1"1/4	30	87353AG34	2	20
352	1"1/2	30	87353AH34	-	2
352	2"	25	87353AJ34	-	1
353	2"1/2	25	87353AK34	-	1

Ball valve full bore, coated steel lever, F/F thread, double o-ring anti-explosion control stem.
 Suitable for water in heating/cooling systems.
 Thread ISO 228.

- Lever available in blue and red versions:**
- the blue lever code ends with "12" instead of "34".
 - the white lever code ends with "18" instead of "34".



ART. 354

ART.	SIZE	PN	CODE	📦	
352	1/2"	50	87354AD34	6	60
352	3/4"	40	87354AE34	4	40
352	1"	40	87354AF34	6	36
352	1"1/4	30	87354AG34	2	20
352	1"1/2	30	87354AH34	-	2
352	2"	25	87354AJ34	-	1
354	2"1/2	25	87354AK34	-	1

Ball valve full bore, coated steel lever, M/F thread, double o-ring anti-explosion control stem.
 Suitable for water in heating/cooling systems.
 Thread ISO 228.

- Lever available in blue and red versions:**
- the blue lever code ends with "12" instead of "34".
 - the white lever code ends with "18" instead of "34".



NEW
ART. 598

ART.	SIZE	LEVER	LEVER COLOUR	CODE		
598	1/2"	ALUMINIUM	Blue	89598AD12	10	60
598	3/4"	ALUMINIUM	Blue	89598AE12	8	
598	1"	ALUMINIUM	Blue	89598AF12	5	25

Garden tap, ball-type, with male threaded hose connections. Reduced bore. Aluminum lever



NEW
ART. 599

ART.	SIZE	LEVER	LEVER COLOUR	CODE		
599	1/2"	STEEL	Blue	89599AD12	10	60
599	3/4"	STEEL	Blue	89599AE12	8	
599	1"	STEEL	Blue	89599AF12	5	25
599	1/2"	STEEL	RED	89599AD18	10	60
599	3/4"	STEEL	RED	89599AE18	8	
599	1"	STEEL	RED	89599AF18	5	25
599	1/2"	STEEL	BLACK	89599AD34	10	60
599	3/4"	STEEL	BLACK	89599AE34	8	
599	1"	STEEL	BLACK	89599AF34	5	25

Garden tap, ball-type, with male threaded hose connections. Reduced bore. Steel lever.



ART. 276

ART.	SIZE	COLOUR	CODE		
276	3/4"x3/4"	RED	87276AE11	1	20
276	3/4"x1"	RED	87276AEAF11	1	10

Ball valve with revolving nut and flat seat.



ART. 277

ART.	SIZE	COLOUR	CODE		
277	3/4"	BLACK	87277AE05	1	10

Ball valve with built-in strainer. Filter degree 400 micron. Revolving nut and flat seat. Male 3/4" / Female 1". Recommended to protect domestic flowmeters.



ART. 311

ART.	SIZE	CODE	
311	1/4	89311AB07	20
311	3/8	89311AC07	20
311	1/2	89311AD07	20
311	3/4	89311AE07	15

Female mini-ball valve. Black plastic handle.




ART. 312

ART.	SIZE	CODE	
312	1/4	89312AB07	20
312	3/8	89312AC07	20
312	1/2	89312AD07	20
312	3/4	89312AE07	15

Male/female mini-ball valve. Black, plastic handle.




ART. P195

ART.	SIZE	THICKNESS ALUMINIUM	CODE		METERS FOR BENCH
P195	16x2	0,40 mm	88P195GH05099	50 m	1000
P195	20x2	0,50 mm	88P195BQ05099	50 m	1000
P195	26x3	0,60 mm	88P195GP02599	25 m	525

Multilayer Cross-linked Polyethylene **PE-Xc/AL/PE-Xb gas pipe**, manufactured in conformity with UNI 11344 and certified by DVGW. Butt-welded aluminium core. The pipe inner part is made of PE-Xc, the external one of PE-Xb. Colour: yellow. **The aluminum high thickness prevents accidental perforations of the pipe.**




ART. P194

ART.	SIZE	THICKNESS ALUMINIUM	THICKNESS SHEATH	CODE		METERS FOR BENCH
P194	16x2	0,40 mm	19/25	88P194GH05099	50m	1050
P194	20x2	0,50 mm	23/28	88P194BQ05099	50m	900
P194	26x3	0,60 mm	28/34	88P194GP02599	25m	25

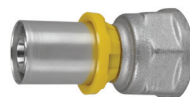
Multilayer Cross-linked Polyethylene **PE-Xc/AL/PE-Xb gas pipe with yellow sheath**, manufactured in conformity with UNI 11344 and certified by DVGW; Butt-welded aluminium core. The pipe inner part is made of PE-Xc, the external one of PE-Xb. **The aluminum high thickness prevents accidental perforations of the pipe.**




ART. 450

ART.	SIZE	SIZE	CODE	
450	16x2	16x2	81450GH06	50
450	20x2	20x2	81450BQ06	40
450	25x2,5	25x2,5	81450GO06	30
450	26x3	26x3	81450GP06	30
450	32x3	32x3	81450GQ06	10
450	16x2	20x2	81450BQGH06	40
450	20x2	26x3	81450GPBQ06	20
450	25x2,5	20x2	81450GOBQ06	20
450	32x3	25x2,5	81450GQGO06	15
450	32x3	26x3	81450GQGP06	10

SEMPIGAS® double straight press-fitting, with same or reduced size.




ART. 451

ART.	SIZE	SIZE	CODE	
451	1/2"	16x2	81451ADGH06	50
451	1/2"	20x2	81451ADBQ06	50
451	3/4"	20x2	81451AEBQ06	40
451	3/4"	25x2,5	81451AEGO06	30
451	3/4"	26x3	81451AEGP06	30
451	1"	25x2,5	81451AFGO06	20
451	1"	32x3	81451AFGQ06	15

SEMPIGAS® female straight press-fitting.



ART. 452


ART.	SIZE	SIZE	CODE	
452	● 1/2"	16x2	81452ADGH06	50
452	● 1/2"	20x2	81452ADBQ06	50
452	● 3/4"	20x2	81452AEBQ06	40
452	● 3/4"	25x2,5	81452AEGO06	30
452	● 3/4"	26x3	81452AEGP06	30
452	1"	25x2,5	81452AFGO06	15
452	1"	26x3	81452AFGP06	20
452	1"	32x3	81452AFGQ06	15

SEMPIGAS® male straight press-fitting.

● Conical thread ISO 7-1



ART. 453

ART.	SIZE	SIZE	CODE	
453	16x2	16x2	81453GH06	50
453	20x2	20x2	81453BQ06	40
453	26x3	26x3	81453GP06	20
453	25x2,5	25x2,5	81453GO06	20
453	32x3	32x3	81453GQ06	10

SEMPIGAS® double elbow press-fitting.



ART. 454

ART.	SIZE	SIZE	CODE	
454	• 1/2"	16x2	81454ADGH06	40
454	• 1/2"	20x2	81454ADBQ06	40
454	• 3/4"	20x2	81454AEBQ06	30
454	• 3/4"	25x2,5	81454AEGO06	15
454	• 3/4"	26x3	81454AEGP06	20
454	1"	32x3	81454AFGQ06	10

SEMPIGAS® male elbow press-fitting.

• Conical thread ISO 7-1



ART. 455

ART.	SIZE	SIZE	CODE	
455	1/2"	16x2	81455ADGH06	40
455	1/2"	20x2	81455ADBQ06	40
455	3/4"	20x2	81455AEBQ06	30
455	3/4"	25x2,5	81455AEGO06	20
455	3/4"	26x3	81455AEGP06	20
455	1"	32x3	81455AFGQ06	10

SEMPIGAS® female elbow press-fitting.



ART. 456

ART.	SIDE SIZE	CENTRAL SIZE	SIDE SIZE	CODE	
456	16x2	16x2	16x2	81456GH06	30
456	20x2	20x2	20x2	81456BQ06	20
456	26x3	26x3	26x3	81456GP06	10
456	32x3	32x3	32x3	81456GQ06	10
456	16x2	16x2	20x2	81456GHGHBQ06	20
456	16x2	16x2	26x3	81456GHGHP06	15
456	20x2	20x2	26x3	81456BQBQGP06	10
456	25x2,5	20x2	20x2	81456GOBQBQ06	10
456	32x3	25x2,5	25x2,5	81456GQGOGO06	10
456	20x2	16x2	20x2	81456BQGHBQ06	20
456	25x2,5	16x2	25x2,5	81456GOGHGO06	10
456	25x2,5	20x2	25x2,5	81456GOBQGO06	10
456	26x3	16x2	26x3	81456GPGHGP06	10
456	26x3	20x2	26x3	81456GPBQGP06	10
456	32x3	25x2,5	32x3	81456GQGOGQ06	10
456	32x3	26x3	32x3	81456GQGPGQ06	10
456	20x2	20x2	16x2	81456BQBQGH06	20
456	25x2,5	25x2,5	16x2	81456GOGOGH06	10
456	25x2,5	25x2,5	20x2	81456GOGOBQ06	10

SEMPIGAS® TEE press-fitting.



ART. 458

ART.	SIZE	SIZE	CODE	
458	1/2"	16x2	81458ADGH06	20
458	1/2"	20x2	81458ADBQ06	20
458	3/4"	20x2	81458AEBQ06	15
458	3/4"	25x2,5	81458AEGO06	10
458	3/4"	26x3	81458AEGP06	10
458	1"	32x3	81458AFGQ06	10

SEMPIGAS® female TEE press-fitting.



ART. 459

ART.	SIZE	SIZE	HEIGHT	CODE	
459	1/2"	16x2	57	81459ADGH06	20
459	1/2"	20x2	57	81459ADBQ06	20

SEMPIGAS® press-fitting for wall plate fixing.



ART. 460

ART.	SIZE	SIZE	CODE	
460	1/2"	16x2	81460ADGH06	50
460	3/4"	16x2	81460AEGH06	30
460	3/4"	20x2	81460AEBQ06	30

SEMPIGAS® press-fitting with rotating nut for flat seat connections.



ART. 461

ART.	SIZE	SIZE	CODE	
461	1/2"	16x2	81461ADGH06	50
461	1/2"	20x2	81461ADBQ06	40
461	3/4"	16x2	81461AEGH06	30
461	3/4"	20x2	81461AEBQ06	40
461	3/4"	25x2,5	81461AEGO06	20
461	7/8"	20x2	81461AQBQ06	20
461	7/8"	25x2,5	81461AQGO06	15
461	1"	32x3	81461AFGQ06	20
NEW	M20x1,5	16x2	81461OAGH06	50
NEW	M20x1,5	20x2	81461OABQ06	40

SEMPIGAS® press-fitting with gas meter connection and rotating nut pierced for plumbing.



ART. 462

ART.	SIZE	SIZE	CODE		
NEW	462	1/2"	16x2	81462ADGH06	50
NEW	462	1/2"	20x2	81462ADBQ06	40
	462	3/4"	16x2	81462AEGH06	20
	462	3/4"	20x2	81462AEBQ06	20
NEW	462	3/4"	25x2,5	81462AEGO06	20
	462	7/8"	20x2	81462AQBQ06	20
	462	7/8"	25x2,5	81462AQGO06	15
	462	7/8"	32x3	81462AQGQ06	10
NEW	462	1"	32x3	81462AFGQ06	5

SEMPIGAS® press-fitting with gas meter connection, rotating nut pierced for plumbing and air vent valve.



ART. 463

ART.	SIZE	SIZE	CODE		
	463	3/4"	16x2	81463AEGH06	20
	463	3/4"	20x2	81463AEBQ06	20
NEW	463	3/4"	25x2,5	81463AEGO06	20
	463	7/8"	20x2	81463AQBQ06	20
	463	7/8"	25x2,5	81463AQGO06	20

SEMPIGAS® press-fitting with gas meter connection, rotating nut pierced for plumbing and pressure check outlet.



ART. 464

ART.	SIZE	SIZE	CODE	
464	1/2"	16x2	81464ADGH06	40
464	1/2"	20x2	81464ADBQ06	30
464	3/4"	16x2	81464AEGH06	30
464	3/4"	20x2	81464AEBQ06	20
464	3/4"	25x2,5	81464AEGO06	20

SEMPIGAS® elbow press-fitting with gas meter connection and rotating nut pierced for plumbing.



ART. 465

ART.	SIZE	SIZE	CODE	
465	3/4"	16x2	81465AEGH06	20
465	3/4"	20x2	81465AEBQ06	20
465	7/8"	20x2	81465AQBQ06	20
465	7/8"	25x2,5	81465AQGO06	10

SEMPIGAS® elbow press-fitting with gas meter connection, rotating nut pierced for plumbing and air vent valve.



ART. 466

ART.	SIZE	SIZE	CODE	
466	3/4"	16x2	81466AEGH06	20
466	3/4"	20x2	81466AEBQ06	20
466	7/8"	20x2	81466AQBQ06	20
466	7/8"	25x2,5	81466AQGO06	20

SEMPIGAS® elbow press-fitting with gas meter connection, rotating nut pierced for plumbing and pressure check outlet.

Series *Sempiter*

ICMA presents a series of pressed fittings for hot water and heating systems designed and conceived to provide an ongoing guarantee of the utmost:

- **Hygiene**, drinking water quality is 100% guaranteed.
- **Safety in installation**: if not pressed, it leaks.

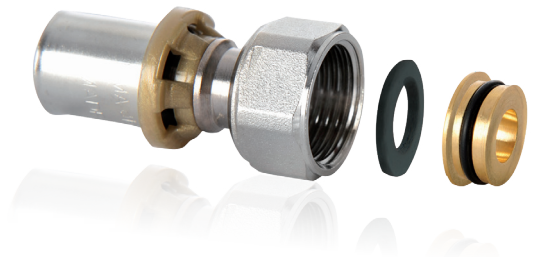
Hygiene

Every one of us is exposed to a variety of sources of pollution every day, and the home environment offers all kinds of sources of contamination, often underestimated, which can strike anyone indiscriminately, including precisely the categories of people who need to avoid contamination (children, seniors, pregnant women). For instance, children absorb pollutants with greater intensity than adults. But there is something simple we can do to help solve the problem.

The **SEMPITER®** series differs from conventional products in that it implements measures for protecting users' health through careful selection of materials and processes with the aim of preventing potentially hazardous substances from being released into drinking water. The brass commonly used contains lead, zinc and arsenic, substances which are gradually released into drinking water due to chemical reactions.

SEMPITER® is a special chemical treatment applied to pipe fittings to prevent all forms of interaction with water at any point in the fitting, unlike other systems such as sealing with tin. The **SEMPITER®** treatment is distributed evenly in even the most difficult points of the product. The **SEMPITER®** series blocks transfer of lead, zinc, arsenic and all substances present in the brass, inhibiting all electrolytic chemical processes forever, as tests of ageing conducted in independent laboratories have proven that the **SEMPITER® process does not degrade with the passage of time.**

The system therefore offers maximum protection of drinking water no matter what material is used. Hygiene is also guaranteed using sealing O-rings made of EPDM Perox certified for use with drinking water, and no grease is used in product assembly.



Safety in installation

While the above explains the hygienic reasons for preferring **SEMPITER®** pipe fittings, there are also important technical reasons for choosing our pipe fittings:

- **AISI 304 DIN EN 10088-2 stainless steel bushing** subjected to a solubilisation process resistant to the aggression of alkalis of cement and chalk dioxide.
- **Large inspection opening** on the gold strike plate to accentuate the contrast between the pipe and the fitting and facilitate visual inspection of the pipe position prior to pressing.
- **Application of "zero defect" O-rings**, controlled using rules from the automotive industry. Final inspection of the presence of o-rings in 100% of the o-rings applied.
- **EPDM Perox o-rings mix** permitting use of the same product in hot water and heating systems without worrying about dripping.
- **Very high resistance to corrosion** of the materials employed, with a surface hardness of more than 500 Vickers, even greater than chrome-plating or high resistance steel.
- **Very low surface roughness** and inspection for sharp corners while work is underway to prevent lime scale build-up.
- **Product solidity.** The **SEMPITER®** treatment makes it possible to achieve the health standards other manufacturers achieve using composite plastic materials, but without giving up the security of brass.

In the SEMPITER® series the fitting will leak if not pressed, preventing errors in installation. This result can only be obtained with very precise mechanical processing, which very few companies can obtain.

The system

SEMPITER® pipe fittings with **MULTIFIVE** pipes come together to grant a SAFE, QUICK, CONVENIENT pressing system which can be used in combination with all ICMA products: manifolds, valves and products for heating systems, tap water distribution and refrigeration systems.

The **SEMPITER®** system guarantees:

- Pressing of pipe fittings with grippers with a TH,H, U profile
- Resistance to chemical and electrolytic corrosion
- Low load loss due to reduced surface roughness
- Non-toxicity
- Hermetic seal
- Conformity to all European standards governing pipes and pipe fittings in distribution grids and specifically:

UNI EN 712	Pull-out test
UNI EN 713	Test of resistance to internal pressure during folding
UNI EN 1254-3	Fittings for plastic pipes with compression terminals
UNI EN 12293	Tests on thermal cycles
UNI EN 12294	Vacuum test
UNI EN 12295	Test on pressure cycles

For all threading on **SEMPITER®** pipe fittings, we recommend use of liquid teflon rather than hemp, especially in combination with materials with different thermal dilations (such as ferrous materials), as required by standard ISO 21003, and in no case do we recommend installation with products with conical threading.



ART. P180 SILVER

ART.	SIZE (mm)	WATER CONTENT L/M	CODE	
P180	16x2,2	0,117	88P180BO10094	100 m
P180	20x2,8	0,113	88P180GW10094	100 m
P180	25x3,5	0,133	88P180GX05094	50 m
P180	32x4,4	0,194	88P180GY05094	50 m

High-Density Polyethylene Cross-linked **PE-Xa** pipe manufactured according to standards ISO 15875, AS 2492 and ASTM F876 standards. With EVOH oxygen barrier according to DIN 4726 in three layers. Suitable for our axial press fittings. Certified with AENOR identification code 001/6649. Color RAL 7046.



ART. P180 GOLD

ART.	SIZE (mm)	WATER CONTENT L/M	CODE	
P180	16x2	0,117	88P180GH10099	100 m
P180	16x2	0,117	88P180GH20099	200 m
P180	16x2	0,117	88P180GH24099	240 m
P180	16x2	0,117	88P180GH60099	600 m
P180	20x2	0,113	88P180BQ24099	240 m
P180	20x2	0,113	88P180BQ60099	600 m

PE-Xa pipe made of Cross-linked Polyethylene by Peroxide. Oxygen is prevented by the oxygen diffusion barrier layer (EVOH – Ethylene Vinyl Alcohol) according to DIN 4726. Color RAL 7008.




ART. P190 - PE-Xc/AL/PE-Xb

ART.	SIZE (mm)	THICKNESS ALUMINUM	INSULATION THICKNESS	WATER CONTENT L/M	CODE		METERS FOR BENCH
P190	16x2	0,30 mm	6	0,113	88P190GH05006	50 m	600
P190	20x2	0,40 mm	6	0,200	88P190BQ05006	50 m	600
P190	26x3	0,60 mm	10	0,314	88P190GP05010	50 m	400
P190	32x3	0,80 mm	10	0,531	88P190GQ02510	25 m	200

Multilayer Cross-linked Polyethylene **PE-Xc/AL/PE-Xb** pipe, with closed-cell expanded polyethylene white sheath with scratch-resistant external finishing manufactured in compliance with UNI EN ISO 21003 standard; suitable for sanitary and heating systems. Working temperature 70°C; 10 Bar pressure; max. temperature 95°C; in compliance with DVGW W542 standards. Butt-welded aluminium core. The pipe inner part is made of PE-Xc, the external one of PE-Xb. The aluminium minimum thickness is 0,3 mm.




ART. P191 - PE-Xc/AL/PE-Xb

ART.	SIZE (mm)	THICKNESS ALUMINIUM	INSULATION THICKNESS	WATER CONTENT L/M	CODE		METERS FOR BENCH
P191	16x2	0,30 mm	6	0,113	88P191GH05006	50 m	600
P191	20x2	0,40 mm	6	0,200	88P191BQ05006	50 m	600
P191	26x3	0,60 mm	10	0,314	88P191GP05010	50 m	400
P191	32x3	0,80 mm	10	0,531	88P191GQ02510	25 m	200

Multilayer Cross-linked Polyethylene **PE-Xc/AL/PE-Xb** pipe, with closed-cell expanded polyethylene with scratch-resistant external finishing manufactured in compliance with UNI EN ISO 21003 standard; suitable for sanitary and heating systems. Working temperature 70°C; 10 Bar pressure; max. temperature 95°C; in compliance with DVGW W542 standards. Butt-welded aluminium core. The pipe inner part is made of PE-Xc, the external one of PE-Xb. The aluminium minimum thickness is 0,3 mm. **Coating color: red.**




ART. P192 - PE-Xc/AL/PE-Xb

ART.	SIZE (mm)	THICKNESS ALUMINIUM	INSULATION THICKNESS	WATER CONTENT L/M	CODE		METERS FOR BENCH
P192	16x2	0,30 mm	6	0,113	88P192GH05006	50 m	600
P192	20x2	0,40 mm	6	0,200	88P192BQ05006	50 m	600
P192	26x3	0,60 mm	10	0,314	88P192GP05010	50 m	400
P192	32x3	0,80 mm	10	0,531	88P192GQ02510	25 m	200

Multilayer Cross-linked Polyethylene **PE-Xc/AL/PE-Xb** pipe, with closed-cell expanded polyethylene with scratch-resistant external finishing manufactured in compliance with UNI EN ISO 21003 standard; suitable for sanitary and heating systems. Working temperature 70°C; 10 Bar pressure; max. temperature 95°C; in compliance with DVGW W542 standards. Butt-welded aluminium core. The pipe inner part is made of PE-Xc, the external one of PE-Xb. The aluminium minimum thickness is 0,3 mm. **Coating color: Blue.**












ART. P193 - PE-Xc/AL/PE-Xb Non-insulated

ART.	SIZE (mm)	THICKNESS ALUMINIUM	WATER CONTENT L/M	CODE		METERS FOR BENCH
P193	16x2	0,30 mm	0,113	88P193GH20099	200 m	2400
P193	16x2	0,30 mm	0,113	88P193GH50099	500 m	6000
P193	20x2	0,40 mm	0,200	88P193BQ10099	100 m	1400
P193	26x3	0,60 mm	0,314	88P193GP05099	50 m	600
P193	32x3	0,80 mm	0,531	88P193GQ05099	50 m	500

Multilayer Cross-linked Polyethylene **PE-Xc/AL/PE-Xb** pipe, manufactured in compliance with UNI EN ISO 21003 standard; suitable for sanitary and heating systems. Working temperature 70°C; 10 Bar pressure; max. temperature 95°C; in compliance with DVGW W542 standards. Butt-welded aluminium core. The pipe inner part is made of PE-Xc, the external one of PE-Xb. The aluminium minimum thickness is 0,3 mm.




ART. P196 - PERT-AL-PERT

ART.	SIZE (mm)	THICKNESS ALUMINUM	INSULATION THICKNESS	WATER CONTENT L/M	CODE	COLOUR		METERS FOR BENCH	
P196	16x2	0,20 mm	6	0,113	88P196GH05006	BIANCO	50 m	600	
 P196	16x2	0,20 mm	6	0,113	88P196GH0500696	BLU	50 m	600	
 P196	16x2	0,20 mm	6	0,113	88P196GH0500697	ROSSO	50 m	600	
P196	16x2	0,20 mm	6	0,113	88P196GH10006	BIANCO	100 m	1100	
P196	20x2	0,20 mm	6	0,200	88P196BQ05006	BIANCO	50 m	600	
 P196	20x2	0,20 mm	6	0,200	88P196BQ0500696	BLU	50 m	600	
 P196	20x2	0,20 mm	6	0,200	88P196BQ0500697	ROSSO	50 m	600	
P196	20x2	0,20 mm	6	0,200	88P196BQ10006	BIANCO	100 m	900	
P196	26X3	0,50 mm	10	0,314	88P196GP05010	BIANCO	50 m	400	
 P196	26X3	0,50 mm	10	0,314	88P196GP0501096	BLU	50 m	400	
 P196	26X3	0,50 mm	10	0,314	88P196GP0501097	ROSSO	50 m	400	
P196	32X3	0,50 mm	10	0,531	88P196GQ02510	BIANCO	25 m	200	
 P196	32X3	0,50 mm	10	0,531	88P196GQ0501096	BLU	25 m	200	
 P196	32X3	0,50 mm	10	0,531	88P196GQ0501097	ROSSO	25 m	200	

Multilayer Polyethylene **PERT-AL-PERT** pipe, with closed-cell expanded polyethylene white sheat with scratch-resistant external finishing, manufactured in compliance with UNI EN ISO 21003 standard; white colour; Working temperature 70°C, Working pressure 6 Bar, Max temperature 95°C. PERT Polyethylene: Polyethylene of raised temperature resistance. Butt-welded aluminium core.








ART. P197 - PERT-AL-PERT

ART.	SIZE (mm)	THICKNESS ALUMINUM	WATER CONTENT L/M	CODE		METERS PER BUNDLE
P197	16x2	0,20 mm	0,113	88P197GH10099**	100 m	2200
P197*	16x2	0,20 mm	0,113	88P197GH50099SC	500 m	4000
P197*	20x2	0,20 mm	0,200	88P197BQ10099SC**	100 m	1900
P197	20x2	0,20 mm	0,200	88P197BQ50099	500 m	2500
P197	26x3	0,30 mm	0,314	88P197GP05099	50 m	750
P197	32x3	0,40 mm	0,531	88P197GQ05099	50 m	500

Multilayer Polyethylene **PERT-AL-PERT** pipe, manufactured in compliance with UNI EN ISO 21003 standard; white colour; Working temperature 70°C, Working pressure 6 Bar, Max temperature 95°C. PERT Polyethylene: Polyethylene of raised temperature resistance. Butt-welded aluminium core. ***Boxed pipe. **RUNNING OUT OF PRODUCTION.**




ART. P197 (bars) - PERT-AL-PERT

ART.	SIZE (mm)	THICKNESS ALUMINUM	WATER CONTENT L/M	CODE		METERS PER BUNDLE
 P197	16x2	0,18 mm	0,113	88P197GH00599	5 m (1 bar)	125 mt
 P197	20x2	0,24 mm	0,154	88P197BQ00599	5 m (1 bar)	85 mt
 P197	26x3	0,30 mm	0,314	88P197GP00599	5 m (1 bar)	45 mt
 P197	32x3	0,35 mm	0,531	88P197GQ00599	5 m (1 bar)	35 mt
P197	40x3,5	0,50 mm	0,854	88P197GS00599	5 m (1 bar)	20 m
P197	50x4	0,50 mm	1,385	88P197GT00599	5 m (1 bar)	10 m

Multilayer Polyethylene **PERT-AL-PERT** pipe, manufactured in compliance with UNI EN ISO 21003 standard; white colour; Working temperature 70°C, Working pressure 6 Bar, Max temperature 95°C. PERT Polyethylene: Polyethylene of raised temperature resistance. Butt-welded aluminium core.



ART. P189 - PE-XB/AL/PE-XB for chilled water

ART.	SIZE (mm)	THICKNESS ALUMINUM	SHEATH THICKNESS	WATER CONTENT L/M	CODE		METERS PER BUNDLE
P189	16x2	0,20 mm	13 mm	0,113	88P189GH05013	50 m	400
P189	20x2	0,25 mm	13 mm	0,113	88P189BQ05013	50 m	400
P189	26x3	0,30 mm	15 mm	0,113	88P189GP05015	50 m	350
P189	32x3	0,35 mm	15 mm	0,113	88P189GQ02515	25 m	175

Insulated Multilayer Polyethylene **PE-XB/AL/PE-XB** for chilled water with Closed-Cell xpanded LDPE Sheath. Manufactured in compliance with UNI EN ISO 21003; max. operating temperature: 70°C; max. working pressure: 10 Bar. Polyethylene PERT: Polyethylene of raised temperature resistance. Internal aluminium core: Butt-welded.



ART. 400

ART.	SIZE	SIZE	CODE	
400	16x2	16x2	81400GH06	50
400	18x2	18x2	81400GJ06	40
400	20x2	20x2	81400BQ06	40
400	25x2,5	25x2,5	81400GO06	30
400	26x3	26x3	81400GP06	30
400	32x3	32x3	81400GQ06	10
400	40x3,5	40x3,5	81400GS06	10
400	50x4	50x4	81400GT06	5
400	20x2	16x2	81400BQGH06	40
400	18x2	16x2	81400GJGH06	40
400	26x2	16x2	81400GPGH06	20
400	20x2	18x2	81400BQGJ06	40
400	25x2,5	16x2	81400GOGH06	20
400	25x2,5	20x2	81400GOBQ06	20
400	26x3	20x2	81400GPBQ06	20
400	26x3	18x2	81400GPGJ06	20
400	32x3	16x2	81400GQGH06	20
400	32x3	20x2	81400GQBQ06	15
400	32x3	25x2,5	81400GQGO06	15
400	32x3	26x3	81400GQGP06	15
400	40x3,5	26x3	81400GSGP06	5
400	40x3,5	32x3	81400GSGQ06	5
400	50x4	40x3,5	81400GTGS06	10

SEMPITER® double straight press-fitting, with same or reduced size.



ART. 401

ART.	SIZE	SIZE	CODE	
401	1/2"	16x2	81401ADGH06	50
401	1/2"	18x2	81401ADGJ06	50
401	1/2"	20x2	81401ADBQ06	50
401	3/4"	16x2	81401AEGH06	40
401	3/4"	18x2	81401AEGJ06	40
401	3/4"	20x2	81401AEBQ06	40
401	3/4"	25x2,5	81401AEGO06	30
401	3/4"	26x3	81401AEGP06	30
401	1"	25x2,5	81401AFGO06	20
401	1"	26x3	81401AFGP06	20
401	1"	32x3	81401AFGQ06	15
401	1"1/4	32x3	81401AGGQ06	10
401	1"1/4	40x3,5	81401AGGS06	15
401	1"1/2	50x4	81401AHGT06	15

SEMPITER® female straight press-fitting. **Thread ISO 228-1.**




ART. 402

ART.	SIZE	SIZE	CODE	
402	1/2"	16x2	81402ADGH06	50
402	1/2"	18x2	81402ADGJ06	50
402	1/2"	20x2	81402ADBQ06	50
402	3/4"	16x2	81402AEGH06	40
402	3/4"	18x2	81402AEGJ06	40
402	3/4"	20x2	81402AEBQ06	40
402	3/4"	25x2,5	81402AEGO06	30
402	3/4"	26x3	81402AEGP06	30
402	1"	25x2,5	81402AFGO06	20
402	1"	26x3	81402AFGP06	20
402	1"	32x3	81402AFGQ06	20
402	1"1/4	32x3	81402AGGQ06	15
402	1"1/4	40x3,5	81402AGGS06	10
402	1"1/2	50x4	81402AHGT06	10

SEMPITER® male straight press-fitting. **Thread ISO 228-1.**




ART. 403

ART.	SIZE	SIZE	CODE	
403	16x2	16x2	81403GH06	50
403	18x2	18x2	81403GJ06	40
403	20x2	20x2	81403BQ06	40
403	25x2,5	25x2,5	81403GO06	20
403	26x3	26x3	81403GP06	20
403	32x3	32x3	81403GQ06	10
403	40x3,5	40x3,5	81403GS06	5
403	50x4	50x4	81403GT06	5

SEMPITER® double elbow press-fitting.




ART. 405

ART.	SIZE	SIZE	CODE	
405	1/2"	16x2	81405ADGH06	40
405	1/2"	18x2	81405ADGJ06	40
405	1/2"	20x2	81405ADBQ06	40
405	3/4"	16x2	81405AEGH06	30
405	3/4"	18x2	81405AEGJ06	30
405	3/4"	20x2	81405AEBQ06	30
405	3/4"	25x2,5	81405AEGO06	20
405	3/4"	26x3	81405AEGP06	20
405	1"	25x2,5	81405AFGO06	15
405	1"	26x3	81405AFGP06	15
405	1"	32x3	81405AFGQ06	10
405	1"1/4	32x3	81405AGGQ06	5
405	1"1/4	40x3,5	81405AGGS06	5
405	1"1/2	50x4	81405AHGT06	5

SEMPITER® female elbow press-fitting. **Thread ISO 228-1.**




ART. 404


ART.	SIZE	SIZE	CODE	
404	1/2"	16x2	81404ADGH06	40
404	1/2"	18x2	81404ADGJ06	40
404	1/2"	20x2	81404ADBQ06	40
404	3/4"	16x2	81404AEGH06	30
404	3/4"	18x2	81404AEGJ06	30
404	3/4"	20x2	81404AEBQ06	30
404	3/4"	25x2,5	81404AEGO06	20
404	3/4"	26x3	81404AEGP06	20
404	1"	25x2,5	81404AFGO06	20
404	1"	26x3	81404AFGP06	20
404	1"	32x3	81404AFGQ06	10
404	1"1/4	32x3	81404AGGQ06	5
404	1"1/4	40x3,5	81404AGGS06	5
404	1"1/2	50x4	81404AHGT06	5

SEMPITER® male elbow press-fitting. **Thread ISO 228-1.**



ART. 406


ART.	SIDE SIZE	CENTRAL SIZE	SIDE SIZE	CODE	
406	16x2	16x2	16x2	81406GH06	30
406	18x2	18x2	18x2	81406GJ06	20
406	20x2	20x2	20x2	81406BQ06	20
406	25x2,5	25x2,5	25x2,5	81406GO06	10
406	26x3	26x3	26x3	81406GP06	10
406	32x3	32x3	32x3	81406GQ06	10
406	40x3,5	40x3,5	40x3,5	81406GS06	5
406	50x4	50x4	50x4	81406GT06	3
406	16x2	16x2	20x2	81406GHGHBQ06	20
406	16x2	16x2	25x2,5	81406GHGHGO06	15
406	16x2	16x2	26x3	81406GHGHGP06	15
406	18x2	18x2	16x2	81406GJGJGH06	30
406	20x2	20x2	25x2,5	81406BQBQGO06	10
406	20x2	20x2	26x3	81406BQBQGP06	10
406	20x2	20x2	32x3	81406BQBQGQ06	10
406	25x2,5	25x2,5	32x3	81406GOGOGQ06	10
406	26x3	26x3	32x3	81406GPGPGQ06	10
406	16x2	18x2	16x2	81406GHGJGH06	30
406	16x2	20x2	16x2	81406GHBQGH06	20
406	20x2	25x2,5	20x2	81406BQGOBQ06	10
406	20x2	26x3	20x2	81406BQGPBQ06	10
406	25x2,5	32x3	25x2,5	81406GOGQGO06	10
406	26x3	32x3	26x3	81406GPGQGP06	10
406	18x2	16x2	18x2	81406GJGHGJ06	30
406	20x2	16x2	20x2	81406BQGHQB06	20
406	20x2	18x2	20x2	81406BQGJBQ06	20
406	25x2,5	16x2	25x2,5	81406GOGHGO06	10
406	25x2,5	20x2	25x2,5	81406GOBQGO06	10
406	26x3	16x2	26x3	81406GPGHGP06	10
406	26x3	20x2	26x3	81406GPBQGP06	10
406	32x3	16x2	32x3	81406GQGHGQ06	10
406	32x3	20x2	32x3	81406GQBQGQ06	10
406	32x3	25x2,5	32x3	81406GQGOGQ06	10
406	32x3	26x3	32x3	81406GQGPGQ06	10
406	40x3,5	26x3	40x3,5	81406GSGPGS06	5
406	40x3,5	32x3	40x3,5	81406GSGQGS06	5
406	50x4	32x3	50x4	81406GTGQGT06	5
406	50x4	40x3,5	50x4	81406GTGSGT06	5
406	16x2	25x2,5	25x2,5	81406GHGOGO06	10
406	20x2	20x2	18x2	81406BQBQJ06	20
406	20x2	20x2	16x2	81406BQBQGH06	20
406	25x2,5	25x2,5	20x2	81406GOGOBQ06	10
406	26x3	26x3	16x2	81406GPGPGH06	10

ART.	SIDE SIZE	CENTRAL SIZE	SIDE SIZE	CODE	
406	25x2,5	32x3	32x3	81406GOGQGQ06	10
406	26x3	26x3	20x2	81406GPGPBQ06	10
406	32x3	32x3	20x2	81406GQBQBQ06	10
406	32x3	32x3	26x3	81406GQGQGP06	10
406	16x2	20x2	25x2,5	81406GHBQGO06	15
406	20x2	16x2	25x2,5	81406BQGHGO06	15
406	20x2	25x2,5	32x3	81406BQOGQ06	10
406	25x2,5	20x2	32x3	81406GOBQGQ06	10
406	20x2	16x2	26x3	81406BQGHGP06	15
406	16x2	20x2	26x3	81406GHBQGP06	15
406	20x2	26x3	32x3	81406BQGPQ06	10
406	26x3	20x2	32x3	81406GPBQGQ06	10

SEMPITER® TEE press-fitting.



ART. 407

ART.	SIZE	SIZE	CODE	
407	1/2"	16x2	81407ADGH06	20
407	1/2"	18x2	81407ADGJ06	20
407	1/2"	20x2	81407ADBQ06	20
407	3/4"	16x2	81407AEGH06	15
407	3/4"	18x2	81407AEGJ06	15
407	3/4"	20x2	81407AEBQ06	15
407	3/4"	25x2,5	81407AEGO06	10
407	3/4"	26x3	81407AEGP06	10
407	1"	26x3	81407AFGP06	10
407	1"	32x3	81407AFGQ06	10
407	1"1/4	32x3	81407AGGQ06	5
407	1"1/4	40x3,5	81407AGGS06	5
407	1"1/2	50x4	81407AHGT06	5

SEMPITER® male TEE press-fitting. Thread ISO 228-1.



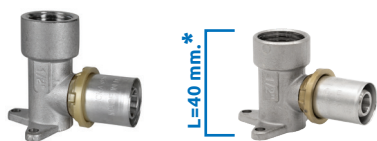
ART. 408

ART.	SIZE	SIZE	CODE	
408	1/2"	16x2	81408ADGH06	20
408	1/2"	18x2	81408ADGJ06	20
408	1/2"	20x2	81408ADBQ06	20
408	3/4"	16x2	81408AEGH06	20
408	3/4"	20x2	81408AEBQ06	15
408	3/4"	25x2,5	81408AEGO06	10
408	3/4"	26x3	81408AEGP06	10
408	1"	26x3	81408AFGP06	10
408	1"	32x3	81408AFGQ06	10
408	1"1/4	32x3	81408AGGQ06	5
408	1"1/4	40x3,5	81408AGGS06	5
408	1"1/2	50x4	81408AHGT06	5

SEMPITER® female TEE press-fitting. Thread ISO 228-1.

ISO 228-1

5 threads



ART. 410

ART.	SIZE	SIZE	HEIGHT (L)	CODE		
410	1/2"	16x2	52,5	81410ADGH06	20	
410*	1/2"	16x2	40	81410ADGH0640	20	
410	1/2"	18x2	52,5	81410ADGJ06	20	
410	1/2"	20x2	52,5	81410ADBQ06	20	
	410	3/4"	20x2	55	81410AEBQ06	20
	410	3/4"	26x3	55	81410AEGP06	20

SEMPITER® press-fitting for wall plate fixing. Thread ISO 228-1.



ART. 411

ART.	WHEELBASE	CODE	
411	75-150	814117506	25

Wall bracket with set of 6 screws. For art. 410.



ART. 412

ART.	WHEELBASE	CODE	SIZE		
412	75-150	81412ADGH7506	1/2"-16x2	1	20
412	75-150	81412ADBQ7506	1/2"-20x2	1	20
412*	75-150	81412ADGH750640	1/2"-16x2-H40	1	20

Kit for wall mounting consisting of bracket + SEMPITER® fittings art. 410. Thread ISO 228-1.

*Assembled with article 81410ADGH0640.



ART. 432

ART.	WHEELBASE	CODE	
432	100	8143210006	30
432	150	8143215006	30

Shaped bracket for plasterboard installation.



ART. 433

ART.	WHEELBASE	CODE	SIZE	
433	100	81433ADGH10006	1/2"-16x2	15
433	150	81433ADGH15006	1/2"-16x2	15
433*	100	81433ADGH100064	1/2"-16x2-H40	15
433*	150	81433ADGH150064	1/2"-16x2-H40	15

Kit for wall mounting consisting of bracket for plasterboard installation + SEMPITER® fittings art. 410. Thread ISO 228-1.

*Assembled with article 81410ADGH0640.



ART. 422

ART.	SIZE	SIZE	CODE	📦	
422	1/2"	16x2	81422ADGH06	20	
422	1/2"	20x2	81422ADBQ06	20	

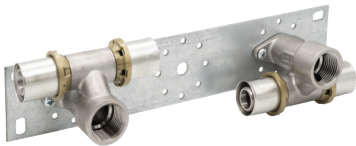
Female T-offset fitting.



ART. 416

ART.	SIZE	SIZE	CODE	📦	
416	1/2"	16x2	81416ADGH06	50	
416	1/2"	20x2	81416ADBQ06	50	
416	3/4"	16x2	81416AEGH06	40	
416	3/4"	20x2	81416AEBQ06	40	
NEW 416	3/4"	25x3	81416AEGO06	20	
416	3/4"	26x3	81416AEGP06	20	
416	1"	26x3	81416AFGP06	20	
416	1"	32x3	81416AFGQ06	20	

SEMPITER® press-fitting with revolving nut for flat seat connections. **Thread ISO 228-1.**



ART. 423

ART.	SIZE	SIZE	WHEELBASE	CODE	📦	
423	1/2"	16x2	75-150	81423ADGH7506	1	20
423	1/2"	20x2	75-150	81423ADBQ7506	1	20

Mounting bracket assembled with 2 offset fittings.



ART. 417

ART.	SIZE	CODE	📦	
417	16x2	81417GH06	50	
417	20x2	81417BQ06	50	
417	26x3	81417GP06	50	
417	32x3	81417GQ06	20	

SEMPITER® end plug.



ART. 415

ART.	SIZE	SIZE	CODE	📦	
415	1/2"	16x2	81415ADGH06	50	
415	24X1,5	16x2	81415RAGH06	40	
415	24X1,5	20x2	81415RABQ06	50	
415	3/4" euroconus	16x2	81415AEGH06	40	
415	3/4" euroconus	20x2	81415AEBQ06	40	

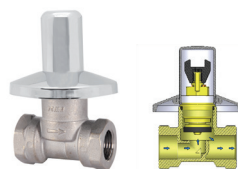
SEMPITER® press-fitting, with revolving nut for manifolds and valves branch connections. **Thread ISO 228-1.**



ART. 418

ART.	SIZE	SIZE	CODE	
418	16x2	15	81418GHGE06	40
418	20x2	15	81418BQGE06	40

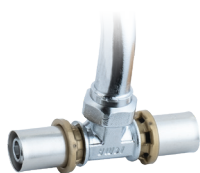
SEMPITER® chrome-plated elbow fittings for radiator connection.



ART. 515

ART.	SIZE	CODE	
515	1/2"	81515AD06	5
515	3/4"	81515AE06	5

Full bore cock for built-in installation with female connections and flat seat.



ART. 419

ART.	SIZE	SIZE	CODE	
419	16x2	15	81419GHGE06	20

SEMPITER® chrome-plated TEE fittings for radiator connection.



ART. 414

ART.	CODE		
414	81414GH06	1	20

Extension for built-in cock for article 515.



ART. 409

ART.	SIZE	CODE	
409	16x2	81409GH06	5
409	20x2	81409BQ06	5

SEMPITER® full bore cock for built-in installation. Screw with shutter with conical seal in EPDM Perox. **Compact model.**



ART. 431

ART.	CODE		
431	81431GH05	1	20

Extension for built-in cock for article 409.



NEW VERSION

ART. 516

ART.	SIZE	CODE		
516	1/2" - 10 mm	90516AD07	1	40

Angle regulating valve, shutter-type, **with filter**, adjustable connection for copper tubing and chromed steel rosette.



ART. 519

ART.	SIZE	CODE		
519	1/2" - 3/8"	90519AC07	1	50
519	1/2" - 1/2"	90519AD07	1	50
*519	1/2" - 3/4"	90519AE07	1	50

Angle regulating valve, shutter-type, flat seat connection for flexible pipe and chromed steel rosette.

***3/4" connection for washing machine**



ART. 517

ART.	SIZE	CODE		
517	1/2" - 10 mm	90517AD07	1	50

Angle regulating valve, shutter-type, adjustable connection for copper tubing and chromed steel rosette.



ART. 520

ART.	SIZE	CODE		
520	1/2" - 10 mm	90520AC07	1	50

Angle regulating valve, shutter-type, fixed connection for copper tubing and chromed steel rosette.



ART. 518

ART.	SIZE	CODE		
518	3/8" - 1/2"	90518AC07	1	50
518	1/2" - 1/2"	90518AD07	1	50

Angle regulating valve, shutter-type, **with filter**, flat seat connection for flexible pipe and chromed steel rosette.



ART. 470

ART.	CODE	
470	814703253	1

Universal radial Power-Press SE wired press-machine for joint pressing of pipes sized 10-110 mm. Thrust force 32 kN. Electromechanical drive with 450 W universal motor. 220 Volt supply.



ART. 473

ART.	SIZE	CODE	
473	16	81473GH20	1
473	20	81473BQ20	1
473	26	81473GP20	1
473	32	81473GQ20	1
473	40	81473GS20	1

Jaws TH Power-Press SE wired press-machine art. 470.



ART. K470

ART.	CODE	
K470	81K470GHBQGP	1

Kit consisting of Electric Power-Press SE art. 470 + 3 jaws sized 16, 20 and 26 mm.



ART. 472

ART.	SIZE	CODE	
472	16	81472GH20	1
472	18	81472GJ20	1
472	20	81472BQ20	1
472	25	81472GO20	1
472	26	81472GP20	1
472	32	81472GQ20	1
472	40	81472GS20	1

Jaws TH for Mini-Press 22 V ACC battery-operated radial press-machine included in the kit art. K471.



ART. K471

ART.	CODE	
K471	81K471GHBQGP	1

Kit consisting of Mini-Press 22 V ACC battery-operated radial press-machine + 3 jaws sized 16, 20 and 26 mm for joint pressing of press-fittings for pipes sized 10-40 mm. Thrust force 22 kN. Electro-hydraulic drive with powerful battery motor 21.6 V, 380 W. Automatic return after complete pressing.



NEW


ART. K1045

ART.	CODE	
K1045	81K1045BOGWXGY	1

Kit consisting of a battery-powered axial press tool, a battery-powered expander, 4 adapters (16, 20, 25, and 32 mm), 4 expander heads (16, 20, 25, and 32 mm), 2 batteries, and 1 charging base.



ART. 427

ART.	SIZE	CODE	
427	16	81427GH20	1
427	20	81427BQ20	1
427	26	81427GP20	1
427	32	81427GQ20	1

Gauge - deburring tool 16-20-26-32.




ART. 424

ART.	CODE	
424	81424GH20	1

Shears for plastic pipes up to diameter 42.



ART. 429

ART.	SIZE	SIZE	CODE	
429	16	2	81429GH20	1
429	20	2	81429BQ20	1
429	26	3	81429GP20	1
429	32	3	81429GQ20	1

Bending spring for pipes 16-20-26-32.



ART. 530 - ART. 540

ART.	SIZE	CODE		
530	16X2	81530ADGH06	1	100
540	20X2	81540RABQ06	1	50

Double straight fitting.



ART. 533 - ART. 543

ART.	SIZE	CODE		
533	16X2	81533ADGH06	1	100
543	20X2	81543RABQ06	1	50

Double elbow.



ART. 531 - ART. 541 - ART. 591

ART.	SIZE	CODE		
531	1/2"M - 16x2	81531ADGH06	1	100
541	1/2"M - 20x2	81541RDBQ06	1	100
531	3/4"M - 16x2	81531AEGH06	1	100
541	3/4"M - 20x2	81541REBQ06	1	100
541	1"M - 20x2	81541RFBQ06	1	50
591	3/4"M - 26x3	81591AEGP06	1	50
591	1"M - 26x3	81591AFGP06	1	50
591	1"M - 32x3	81591AFGQ06	1	25
591	1"1/4M-32x3	81591AGGQ06	1	25

Male straight fitting.



ART. 534 - ART. 544 - ART. 594

ART.	SIZE	CODE		
534	1/2"M - 16x2	81534ADGH06	1	100
544	1/2"M - 20x2	81544RDBQ06	1	100
534	3/4"M - 16x2	81534AEGH06	1	100
544	3/4"M - 20x2	81544REBQ06	1	50
594	3/4"M - 26x3	81594AEGP06	1	50
594	1"M - 26x3	81594AFGP06	1	30
594	1"M - 32x3	81594AFGQ06	1	50
594	1"1/4M - 32x3	81594AGGQ06	1	25

Male elbow.



ART. 532 - ART. 542

ART.	SIZE	CODE		
532	1/2"F - 16x2	81532ADGH06	1	100
532	3/4"F - 16x2	81532AEGH06	1	50
542	1/2"F 20x2	81542RDBQ06	1	100
542	3/4"F - 20x2	81542REBQ06	1	100
542	1"F - 20x2	81542RFBQ06	1	50
542	3/4"F - 26x3	81542AEGP06	1	50
542	1"F - 26x3	81542AFGP06	1	50

Female straight fitting.



ART. 535 - ART. 545

ART.	SIZE	CODE		
535	1/2"F - 16x2	81535ADGH06	1	100
545	1/2"F - 20x2	81545RDBQ06	1	100
545	3/4"F - 16x2	81545REGH06	1	50
545	3/4"F - 20x2	81545REBQ06	1	50

Female elbow.



ART. 536 - ART. 546

ART.	SIZE	CODE		
536	16X2	81536ADGH06	1	50
546	20X2	81546RABQ06	1	50

TEE fitting.



ART. 539 - ART. 549

ART.	SIZE	CODE		
539	1/2"F - 16x2	81539ADGH06	1	50
549	1/2"F - 20x2	81549RABQ06	1	50

Flanged elbow.



ART. 537 - ART. 547

ART.	SIZE	CODE		
537	1/2"M - 16x2	81537ADGH06	1	50
547	1/2"M - 20x2	81547RDBQ06	1	50
537	3/4"M - 16x2	81537AEGH06	1	50
547	3/4"M - 20x2	81547REBQ06	1	50

Male TEE fitting.



ART. 500

ART.	SIZE	CONNECTION THREAD	CODE		
500	1/2"	1/2"	81500AD06	10	200
500	24x1,5	24x1,5	81500RA06	10	200
500	3/4"	3/4"	81500EK06	10	200

Double straight fitting.



ART. 538 - ART. 548

ART.	SIZE	CODE		
538	1/2"F - 16x2	81538ADGH06	1	50
548	1/2"F - 20x2	81548RDBQ06	1	50
548	3/4"F - 20x2	81548REBQ06	1	50

Female TEE fitting.



ART. 501

ART.	SIZE	CONNECTION THREAD	CODE		
501	1/2"M - 1/2"	1/2"	81501AD06	10	200
501	1/2"M - 24x1,5	24x1,5	81501RD06	10	200
501	3/4"M - 24x1,5	24x1,5	81501RE06	10	200
501	3/4"M - 1"	1"	81501LE06	10	100

Male straight fitting.



ART. 502

ART.	SIZE	CONNECTION THREAD	CODE		
502	3/8" F - 1/2"	1/2"	81502LA06	10	200
502	1/2" F - 1/2"	1/2"	81502AD06	10	300
502	3/4" F - 1/2"	1/2"	81502LC06	15	200
502	1/2" F - 24x1,5	24x1,5	81502RD06	10	200
502	3/4" F - 24x1,5	24x1,5	81502RE06	10	200
502	1" F - 1"	1"	81502AF06	5	200

Female straight fitting.



ART. 505

ART.	SIZE	CONNECTION THREAD	CODE		
505	1/2" F-1/2"	1/2"	81505AD06	10	150
505	1/2" F-24x1,5	24x1,5	81505RD06	10	150
505	3/4" F-24x1,5	24x1,5	81505RE06	5	100

Male-Female elbow.



ART. 503

ART.	SIZE	CONNECTION THREAD	CODE		
503	1/2"	1/2"	81503AD06	5	200
503	24x1,5	24x1,5	81503RA06	5	100

Double elbow.



ART. 506

ART.	SIZE	CONNECTION THREAD	CODE		
506	1/2"	1/2"	81506AD06	5	100
506	24x1,5	24x1,5	81506RA06	5	100

TEE fitting.



ART. 504

ART.	SIZE	CONNECTION THREAD	CODE		
504	1/2" M-1/2"	1/2"	81504AD06	5	200
504	3/4" M-1/2"	1/2"	81504LC06	10	150
504	1/2" M-24x1,5	24x1,5	81504RD06	5	200
504	3/4" M-24x1,5	24x1,5	81504RE06	10	150

Male elbow.



ART. 510

ART.	SIZE	CONNECTION THREAD	CODE		
510	1/2"	1/2"	81510AD06	5	100
510	1/2"	24x1,5	81510RD06	5	100

Flanged elbow.



ART. 511

ART.	SIZE	CONNECTION THREAD	CODE		
511	1/2"	1/2"	81511AD06	5	200
511	1/2"	24x1,5	81511RD06	5	250

105° elbow.



ART. 513

ART.	SIZE	CONNECTION THREAD	CODE		
513	1/2"	1/2"	81513AD06	5	100

100° extended elbow.



ART. 550

ART.	SIZE	CODE		
550	1/2" F-16X2	81550ADGH06	5	200

105° elbow with pipe fitting.



ART. 1200

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE			
1200	1/2"F-1/2"F	811200AD05	811200AD06	50		
1200	3/4"F-3/4"F	811200AE05	811200AE06	40		
1200	1"F-1"F	811200AF05	811200AF06	20		
1200	1"1/4F-1"1/4F	811200AG05	811200AG06	10		
1200	1"1/2F-1"1/2F	811200AH05	811200AH06	8		
1200	2"F-2"F	811200AJ05	811200AJ06	3		

Female-female elbow.



ART. 1203

ART.	SIZE	CODE			
1203	1/2"F-3/8"F-1/2"F	811203ADACAD05	20		
1203	3/4"F-1/2"F-3/4"F	811203AEADAE05	25		
1203	1"F-3/4"F-1"F	811203AFAEAF05	10		
1203	1/2"F-3/8"F-1/2"F	811203ADACAD06	20		
1203	3/4"F-1/2"F-3/4"F	811203AEADAE06	25		
1203	1"F-3/4"F-1"F	811203AFAEAF06	10		

Female TEE reduction fitting.



ART. 1201

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE			
1201	1/2"M-1/2"F	811201AD05	811201AD06	50		
1201	3/4"M-3/4"F	811201AE05	811201AE06	40		
1201	1"M-1"F	811201AF05	811201AF06	20		
1201	1"1/4M-1"1/4F	811201AG05	811201AG06	10		
1201	1"1/2M-1"1/2F	811201AH05	811201AH06	5		
1201	2"M-2"F	811201AJ05	811201AJ06	5		

Male-female elbow.



NICKELED MODEL

BRASS MODEL

ART. 808

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE			
808	3/8"	85808AC05	-	150		
808	1/2"	85808AD05	85808AD06	100		
808	3/4"	85808AE05	85808AE06	50		
808	1"	85808AF05	85808AF06	40		
808	1"1/4	85808AG05	85808AG06	25		
808	1"1/2	85808AH05	85808AH06	20		
808	2"	85808AJ05	85808AJ06	5		

Three pieces elbow radiator union. With O-ring.



ART. 1202

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE			
1202	1/2"F	811202AD05	811202AD06	20		
1202	3/4"F	811202AE05	811202AE06	25		
1202	1"F	811202AF05	811202AF06	15		
1202	1"1/4F	811202AG05	811202AG06	5		
1202	1"1/2F	811202AH05	811202AH06	5		
1202	2"F	811202AJ05	811202AJ06	3		

Female TEE fitting.



NICKELED MODEL

BRASS MODEL

ART. 818

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE			
818	3/8"	85818AC05	85818AC06	150		
818	1/2"	85818AD05	85818AD06	100		
818	3/4"	85818AE05	85818AE06	100		
818	1"	85818AF05	85818AF06	40		
818	1"1/4	85818AG05	85818AG06	25		
818	1"1/2	85818AH05	85818AH06	20		
818	2"	85818AJ05	85818AJ06	10		

Three pieces straight radiator union. With O-ring.



ART. 796

ART.	SIZE	CODE		
796	1"1/2 F 1"F	82796AF05	1	10

Flat seat Female-Female union with revolving nut and gasket. Reduction from 1 1/2"F (flat seat connection) to 1"F.



ART. 797

ART.	SIZE	CODE		
797	1"F 1" 1/2 M	82797AF05	1	20

Flat seat Male-Female connector with gaskets on both sides. Reduction from 1" 1/2 M to 1"F.



ART. 798

ART.	SIZE	CODE		
798	1"1/2 F 1"M	82798AF05	1	10

Flat seat Male-Female union with revolving nut and gasket. Reduction from 1" 1/2 F to 1"M.



ART. 789

ART.	SIZE	CODE		
789	1/2"F - 1" F	82789AD05	1	100
789	3/4" F - 1"1/2 F	82789AE05	1	50
789	1" F - 1"1/2 F	82789AF05	1	50

Female-female flat seat union with nut and gasket. Circulation groups connection.



ART. 792

ART.	SIZE	CODE	
792	1/2"M-3/4"F	82792AD05	200
792	3/4"M-1"F	82792AE05	100
792	1"M-1"1/4F	82792AF05	50
792	1"1/4M-1"1/2F	82792AG05	40

Male-female flat seat union with gasket and nut.



ART. 1210

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE		
1210	3/8"	811210AC05	811210AC06	10	200
1210	1/2"	811210AD05	811210AD06	10	150
1210L	1/2"	811210AD05L	811210AD06L	10	100
1210	3/4"	811210AE05	811210AE06	-	80
1210	1"	811210AF05	811210AF06	-	40
1210	1"1/4	811210AG05	811210AG06	-	25
1210	1"1/2	811210AH05	811210AH06	-	20
1210	2"	811210AJ05	811210AJ06	-	12

Nipples. Extended version for 1/2" size available, code **1210L**.



ART. 1211

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE				
1211	3/8"-1/2"	811211ACAD05	811211ACAD06	10	150		
1211	1/2"-3/4"	811211ADAE05	811211ADAE06	5	80		
1211	1/2"-1"	811211ADAF05	811211ADAF06	5	60		
1211	3/4"-1"	811211AEAF05	811211AEAF06	5	40		
1211	3/4"-1"1/4	811211AEAG05	811211AEAG06	-	30		
1211	1"-1"1/4	811211AFAG05	811211AFAG06	-	25		
1211	1"-1"1/2	811211AFAH05	811211AFAH06	-	20		
1211	1"1/4-1"1/2	811211AGAH05	811211AGAH06	-	20		
1211	1"1/2-2"	811211AHAJ05	811211AHAJ06	-	10		

Reduction nipples.



ART. 1212

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE				
1212	1/2"M-1/4"F	811212ABAD05	811212ABAD06	10	200		
1212	1/2"M-3/8"F	811212ACAD05	811212ACAD06	10	200		
1212	3/4"M-3/8"F	811212ACAE05	811212ACAE06	-	150		
1212	1"M-3/8"F	811212ACAF05	811212ACAF06	-	100		
1212	3/4"M-1/2"F	811212ADAE05	811212ADAE06	-	150		
1212	1"M-1/2"F	811212ADAF05	811212ADAF06	-	100		
1212	1"1/4M-1/2"F	811212ADAG05	811212ADAG06	-	50		
1212	1"1/2M-1/2"F	811212ADAH05	811212ADAH06	-	10		
1212	2"M-1/2"F	811212ADAJ05	811212ADAJ06	-	10		
1212	1"M-3/4"F	811212AEAF05	811212AEAF06	-	100		
1212	1"1/4M-3/4"F	811212AEAG05	811212AEAG06	-	50		
1212	1"1/2M-3/4"F	811212AEAH05	811212AEAH06	-	25		
1212	2"M-3/4"F	811212AEAJ05	811212AEAJ06	-	10		
1212	1"1/4M-1"F	811212AFAG05	811212AFAG06	-	50		
1212	1"1/2M-1"F	811212AFAH05	811212AFAH06	-	10		
1212	2"M-1"F	811212AFAJ05	811212AFAJ06	-	10		
1212	1"1/2M-1"1/4F	811212AGAH05	811212AGAH06	-	10		
1212	2"M-1"1/4F	811212AGAJ05	811212AGAJ06	-	10		
1212	2"M-1"1/2F	811212AHAJ05	811212AHAJ06	-	10		
1212	2"1/2M-1"1/2F	811212AHAK05	811212AHAK06	-	10		
1212	2"1/2M-2"F	811212AJAK05	811212AJAK06	-	10		

Male-female reduction fitting.



ART. 1213

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE		
1213	3/8"	811213AC05	811213AC06	10	100
1213	1/2"	811213AD05	811213AD06	10	80
1213	3/4"	811213AE05	811213AE06	-	70
1213	1"	811213AF05	811213AF06	-	50
1213	1"1/4	811213AG05	811213AG06	-	15
1213	1"1/2	811213AH05	811213AH06	-	10
1213	2"	811213AJ05	811213AJ06	-	8

Female sleeve fitting.



ART. 1214

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE		
1214	3/8"-1/2"	811214ACAD05	811214ACAD06	10	100
1214	1/2"-3/4"	811214ADAE05	811214ADAE06	-	100
1214	1/2"-1"	811214ADAF05	811214ADAF06	-	70
1214	3/4"-1"	811214AEAF05	811214AEAF06	-	50
1214	3/4"-1"1/4	811214AEAG05	811214AEAG06	-	40
1214	1"-1"1/4	811214AFAG05	811214AFAG06	-	40
1214	1"-1"1/2	811214AFAH05	811214AFAH06	-	10
1214	1"-2"	811214AFAJ05	811214AFAJ06	-	8
1214	1"1/4-1"1/2	811214AGAH05	811214AGAH06	-	10
1214	1"1/4-2"	811214AGAJ05	811214AGAJ06	-	8
1214	1"1/2-2"	811214AHAJ05	811214AHAJ06	-	8

Female-female reduction sleeve fitting.



ART. 1215

ART.	SIZE	CODE		
1215	1/2"M-3/8"F	811215ADAC05	10	200
1215	3/4"M-1/2"F	811215AEAD05	10	150
1215	1"M-1/2"F	811215AFAD05	-	150
1215	1"M-3/4"F	811215AFAE05	-	150
1215	1"1/4M-1"F	811215AGAF05	-	120
1215	1"1/2M-1"F	811215AHAF05	-	100

Male-female reduction ring nut.



ART. 237

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE		
237	1/2"	87237AD05	87237AD06	10	500
237	3/4"	87237AE05	87237AE06	-	400
237	1"	87237AF05	87237AF06	-	150

Male end plug for manifolds. Sizes 1/2" male - 3/4 male - 1" male.



ART. 221

ART.	SIZE	BRASS FINISH CODE	NICKELED FINISH CODE		
221	1/2"	87221AD05	87221AD06	10	500
221	3/4"	87221AE05	87221AE06	10	400
221	1"	87221AF05	87221AF06	5	200
221	1"1/4	87221AG05	87221AG06	10	100

Blind head cap for flanged manifolds. Connection: 1/2"M - 3/4M - 1"M - 1"1/4 M



ART. 201

ART.	SIZE	CODE		
201	1/2	87201AD05	10	500
201	3/4	87201AE05	10	400
201	1"	87201AF05	5	200
201	1" 1/4	87201AG05	10	100
201	1/2	87201AD06	10	500
201	3/4	87201AE06	10	400
201	1"	87201AF06	5	200
201	1"1/4	87201AG06	2	100

Blind end cap for manifolds. Sizes: 1/2" female - 3/4" female - 1" female - 1"1/4 female.



ART. 238

ART.	SIZE	CODE		
238	3/8"	87238AC05	10	200
238	1/2"	87238AD05	10	200
238	24x1,5	87238OO05	10	200
238	3/4"	87238AE05	10	200
238	3/8"	87238AC06	10	200
238	1/2"	87238AD06	10	200
238	24x1,5	87238OO06	10	200
238	3/4"	87238AE06	10	200

Blind cap for manifold's side outlets with EPDM gasket.



ART. 521

ART.	SIZE	DIAMETER	CODE	
521	1/2 F	10	81521BCAD05	500
521	1/2 F	14	81521BEAD05	500

Female hose part.



ART. 522

ART.	SIZE	DIAMETER	CODE	
522	1/2 M	10	81522BCAD05	500
522	1/2 M	14	81522BEAD05	500

Male hose part.



ART. 19

ART.	SIZE	BRASS FINISH CODE		
19	3/8"x10	81019AC01005	10	500
19	3/8"x15	81019AC01505	10	400
19	3/8"x20	81019AC02005	10	350
19	3/8"x30	81019AC03005	10	300
19	3/8"x40	81019AC04005	10	200
19	3/8"x50	81019AC05005	10	150
19	3/8"x60	81019AC06005	10	100
19	3/8"x80	81019AC08005	10	100
19	3/8"x100	81019AC10005	10	70
19	1/2"x10	81019AD01005	10	300
19	1/2"x15	81019AD01505	10	250
19	1/2"x20	81019AD02005	10	200
19	1/2"x25	81019AD02505	10	200
19	1/2"x30	81019AD03005	10	200
19	1/2"x40	81019AD04005	5	100
19	1/2"x50	81019AD05005	5	100
19	1/2"x60	81019AD06005	5	100
19	1/2"x70	81019AD07005	5	100
19	1/2"x80	81019AD08005	5	50
19	1/2"x100	81019AD10005	5	50
19	3/4"x10	81019AE01005	10	200
19	3/4"x15	81019AE01505	10	150
19	3/4"x20	81019AE02005	10	150
19	3/4"x25	81019AE02505	-	150
19	3/4"x30	81019AE03005	5	100
19	3/4"x40	81019AE04005	5	100
19	3/4"x50	81019AE05005	5	100
19	3/4"x60	81019AE06005	5	100
19	3/4"x80	81019AE08005	-	50
19	3/4"x100	81019AE10005	5	40
19	1"x10	81019AF01005	5	150
19	1"x15	81019AF01505	5	100
19	1"x20	81019AF02005	5	100
19	1"x30	81019AF03005	5	50
19	1"x40	81019AF04005	5	50
19	1"x50	81019AF05005	5	50
19	1"x80	81019AF08005	5	30
19	1"x100	81019AF10005	1	25

Male-female extender in turned brass.



ART. 20

ART.	SIZE	BRASS FINISH CODE		
20	1/4\"/>			
20	3/8\"/>			
20	1/2\"/>			
20	3/4\"/>			

Reduced male-female extender in turned brass.



ART. 22

ART.	SIZE	CODE		
22	1/2\"/>			
22	3/4\"/>			
22	1\"/>			

Threaded Nipple.



ART. 1204

ART.	SIZE	CODE		
1204	1/2\"/>			
1204	3/4\"/>			
1204	1\"/>			

Female cross fitting.



ART. 1220

ART.	SIZE	CODE		
1220	1/2\"/>			
1220	3/4\"/>			

Straight male fitting with swivel and flat gasket.



ART. 21

ART.	SIZE	CODE		
21	1/2"x40	81021AD04005	5	80
21	1/2"x50	81021AD05005	5	70
21	1/2"x60	81021AD06005	5	-
21	1/2"x70	81021AD07005	5	-
21	1/2"x80	81021AD08005	5	-
21	1/2"x100	81021AD10005	5	40
21	1/2"x120	81021AD12005	5	-
21	1/2"x150	81021AD15005	5	-
21	1/2"x200	81021AD20005	5	-
21	1/2"x250	81021AD25005	5	-
21	1/2"x300	81021AD30005	5	-
21	1/2"x400	81021AD40005	5	-
21	1/2"x500	81021AD50005	5	-
21	3/4"x40	81021AE04005	5	-
21	3/4"x50	81021AE05005	5	-
21	3/4"x60	81021AE06005	5	-
21	3/4"x70	81021AE07005	5	-
21	3/4"x80	81021AE08005	5	-
21	3/4"x100	81021AE10005	5	-
21	3/4"x120	81021AE12005	5	-
21	3/4"x150	81021AE15005	5	-
21	3/4"x200	81021AE20005	5	-
21	3/4"x250	81021AE25005	5	-
21	3/4"x300	81021AE30005	5	-
21	3/4"x400	81021AE40005	5	-
21	3/4"x500	81021AE50005	5	-
21	1"x40	81021AF04005	5	-
21	1"x50	81021AF05005	5	-
21	1"x60	81021AF06005	5	-
21	1"x70	81021AF07005	5	-
21	1"x80	81021AF08005	5	-
21	1"x100	81021AF10005	5	-
21	1"x120	81021AF12005	5	-
21	1"x150	81021AF15005	5	-
21	1"x200	81021AF20005	5	-
21	1"x250	81021AF25005	5	-
21	1"x300	81021AF30005	5	-
21	1"x400	81021AF40005	5	-
21	1"x500	81021AF50005	5	-

Barrel Nipple M-M.



ART. 1200

ART.	SIZE	CODE		
1200	1/2"F-1/2"F	811200AD07	50	
1200	3/4"F-3/4"F	811200AE07	40	
1200	1"F-1"F	811200AF07	20	

Chromed female-female elbow.



ART. 1211

ART.	SIZE	CODE			
1211	3/8"-1/2"	811211ACAD07	10	150	
1211	1/2"-3/4"	811211ADAE07	5	80	
1211	1/2"-1"	811211ADAF07	5	60	
1211	3/4"-1"	811211AEAF07	5	40	

Chromed reduction nipples.



ART. 1201

ART.	SIZE	CODE		
1201	1/2"M-1/2"F	811201AD07	50	
1201	3/4"M-3/4"F	811201AE07	40	
1201	1"M-1"F	811201AF07	20	

Chromed male-female elbow.



ART. 1212

ART.	SIZE	CODE			
1212	1/2"M-3/8"F	811212ADAC07	10	150	
1212	3/4"M-3/8"F	811212AEAC07	-	150	
1212	3/4"M-1/2"F	811212AEAD07	-	150	
1212	1"M-3/8"F	811212AFAC07	-	100	
1212	1"M-1/2"F	811212AFAD07	-	100	
1212	1"M-3/4"F	811212AFAE07	-	100	

Chromed male-female reduction fitting.



ART. 1202

ART.	SIZE	CODE		
1202	1/2"F	811202AD07	20	
1202	3/4"F	811202AE07	25	
1202	1"F	811202AF07	15	

Chromed female TEE fitting.



ART. 1213

ART.	SIZE	CODE			
1213	3/8"	811213AC07	10	100	
1213	1/2"	811213AD07	10	80	
1213	3/4"	811213AE07	-	70	
1213	1"	811213AF07	-	50	

Chromed female sleeve fitting.



ART. 1210

ART.	SIZE	CODE			
1210	3/8"	811210AC07	10	200	
1210	1/2"	811210AD07	10	150	
1210L	1/2"	811210AD07L	10	100	
1210	3/4"	811210AE07	-	80	
1210	1"	811210AF07	-	40	

Chromed nipples. Extended version for 1/2" size available, code **1210L**.



ART. 1214

ART.	SIZE	CODE			
1214	3/8"-1/2"	811214ACAD07	10	100	
1214	1/2"-3/4"	811214ADAE07	-	100	
1214	1/2"-1"	811214ADAF07	-	70	
1214	3/4"-1"	811214AEAF07	-	50	

Chromed female-female reduction sleeve fitting.



ART. 19

ART.	SIZE	CHROME FINISH CODE	
19	3/8"x10	81019AC01006	500
19	3/8"x15	81019AC01506	400
19	3/8"x20	81019AC02006	100
19	3/8"x30	81019AC03006	300
19	3/8"x40	81019AC04006	200
19	3/8"x50	81019AC05006	150
19	3/8"x60	81019AC06006	100
19	3/8"x80	81019AC08006	100
19	3/8"x100	81019AC10006	70
19	1/2"x10	81019AD01006	300
19	1/2"x15	81019AD01506	250
19	1/2"x20	81019AD02006	150
19	1/2"x25	81019AD02506	200
19	1/2"x30	81019AD03006	200
19	1/2"x40	81019AD04006	100
19	1/2"x50	81019AD05006	100
19	1/2"x60	81019AD06006	100
19	1/2"x70	81019AD07006	50
19	1/2"x80	81019AD08006	50
19	1/2"x100	81019AD10006	50
19	3/4"x10	81019AE01006	100
19	3/4"x15	81019AE01506	100
19	3/4"x20	81019AE02006	150
19	3/4"x25	81019AE02506	100
19	3/4"x30	81019AE03006	100
19	3/4"x40	81019AE04006	100
19	3/4"x50	81019AE05006	50
19	3/4"x60	81019AE06006	50
19	3/4"x80	81019AE08006	50
19	3/4"x100	81019AE10006	40
19	1"x10	81019AF01006	150
19	1"x15	81019AF01506	50
19	1"x20	81019AF02006	100
19	1"x30	81019AF03006	50
19	1"x40	81019AF04006	50
19	1"x50	81019AF05006	50
19	1"x80	81019AF08006	30
19	1"x100	81019AF10006	25

Chromed male-female extender in turned brass.



ART. 20

ART.	SIZE	CHROME FINISH CODE	
20	1/4\"/>		

Chromed reduced male-female extender in turned brass.



ART. 21

ART.	SIZE	CHROME FINISH CODE		
21	1/2\"/>			

Chromed Barrel Nipple M-M.



ART. 201

ART.	SIZE	CODE		
201	1/2\"/>			

Blind end cap for manifolds. Chrome finish.

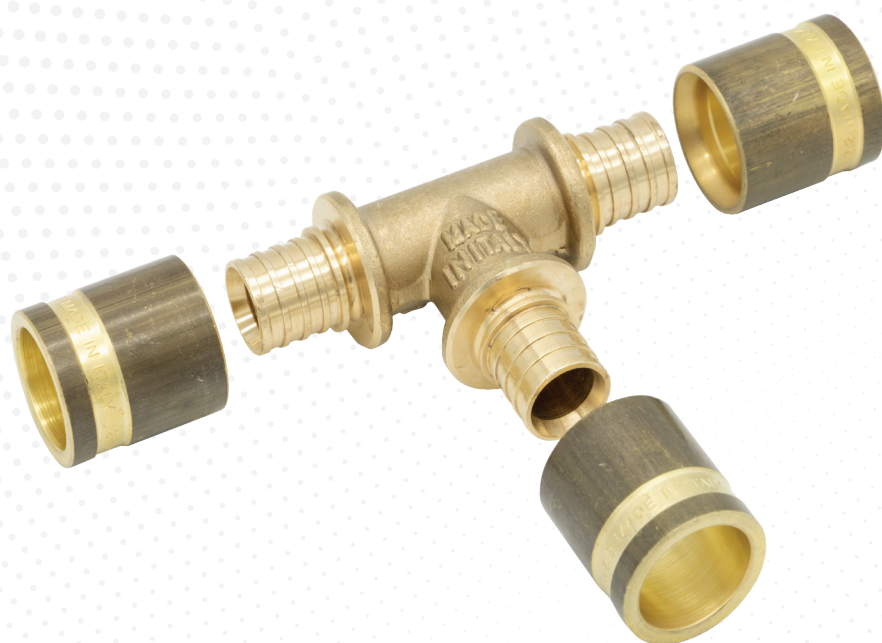


ART. 237

ART.	SIZE	CODE		
237	1/2\"/>			

Male end plug for manifolds. Chrome finish.

AXIAL PRESS FITTINGS



NEW!

DESCRIPTION

Series 1000 axial press brass fittings can be used for the supply of hot and cold water in radiator heating systems and radiant heating /cooling panels.

TECHNICAL FEATURES

Working fluid: Water and glycol solutions

Maximum operating pressure: 10 bar

Working temperature range: -20 ÷ 95°C

Maximum working temperature: 95°C (pipe+fitting)

- Minimum working temperature: -20°C
- Available sizes: Ø16 – Ø20 – Ø25 – Ø32

Available threads: G½" – G¾" – G1"

Also available with Ø15 welded copper pipe (angle, tee) and with swivel nut (G½", G¾").

STRENGTHS

Guaranteed watertightness with RWC Pe-Xa pipe and NOVOPRESS (Set AAP102/AXI102) press.

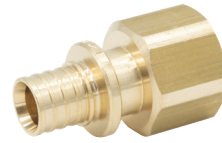


NEW

ART. 1031

ART.	SIZE	CODE		
1031	16x2,2	851031BO08	10	100
1031	20x2,8	851031GW08	10	70
1031	25x3,5	851031GX08	10	60
1031	32x4,4	851031GY08	5	30

Axial press fitting - Sleeve



NEW

ART. 1033

ART.	SIZE	CODE		
1033	1/2"-16X2,2	851033ADBO05	10	60
1033	1/2"-20X2,8	851033ADGW05	5	50
1033	3/4"-20X2,8	851033AEGW05	5	40
1033	3/4"-25X3,5	851033AEGX05	5	30
1033	1"-32X4,4	851033AFGY05	5	15

Female straight axial female press fitting. **Thread ISO 228-1.**



NEW

ART. 1032

ART.	SIZE	CODE		
1032	16x2,2	851032BO05	10	100
1032	20x2,8	851032GW05	10	70
1032	25x3,5	851032GX05	5	40
1032	32x4,4	851032GY05	5	20

Straight axial press fitting



NEW

ART. 1034

ART.	SIZE	CODE		
1034	1/2"-16X2,2	851034ADBO05	10	80
1034	1/2"-20X2,8	851034ADGW05	5	60
1034	3/4"-16X2,2	851034AEBO05	10	50
1034	3/4"-20X2,8	851034AEGW05	5	50
1034	3/4"-25X3,5	851034AEGX05	5	40
1034	1"-25X3,5	851034AFGX05	5	25
1034	1"-32X4,4	851034AFGY05	5	15

Male straight axial press fitting. **Thread EN 10226-1.**



NEW

ART. 1032 REDUCED

ART.	SIZE	CODE		
1032	20x2,8-16x2,2	851032GWBO05	10	100
1032	25x3,5-16x2,2	851032GXBO05	5	50
1032	25x3,5-20x2,8	851032GXGW05	5	50
1032	32x4,4-25x3,5	851032GYGX05	5	25

Reduced straight axial press fitting



NEW

ART. 1035

ART.	SIZE	CODE		
1035	16X2,2	851035BO05	5	60
1035	20X2,8	851035GW05	5	40
1035	25x3,5	851035GX05	5	20
1035	32x4,4	851035GY05	4	12

Double angle axial press fitting



ART. 1036

ART.	SIZE	CODE		
1036	1/2"-16X2,2	851036ADBO05	5	60
1036	1/2"-20X2,8	851036ADGW05	5	40
1036	3/4"-20X2,8	851036AEGW05	5	30
1036	3/4"-25X3,5	851036AEGX05	5	20
1036	1"-25X3,5	851036AFGX05	5	20
1036	1"-32X4,4	851036AFGY05	4	16

Male double angle axial press fitting. **Thread EN 10226-1.**



ART. 1037

ART.	SIZE	CODE		
1037	1/2"-16X2,2	851037ADBO05	5	40
1037	1/2"-20X2,8	851037ADGW05	5	40
1037	3/4"-16X2,2	851037AEBO05	5	60
1037	3/4"-20X2,8	851037AEGW05	5	40
1037	3/4"-25X3,5	851037AEGX05	5	20
1037	1"-25X3,5	851037AFGX05	5	20
1037	1"-32X4,4	851037AFGY05	4	16

Female double angle axial press fitting. **Thread ISO 228-1.**



ART. 1038

ART.	SIZE	CODE		
1038	16x2,2	851038BO05	5	50
1038	20x2,8	851038GW05	5	25
1038	25x3,5	851038GX05	3	15
1038	32x4,4	851038GY05	2	10

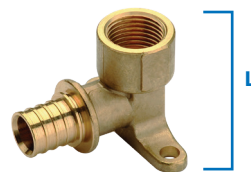
Axial TEE press fitting.



ART. 1039

ART.	SIZE	CODE		
1039	16x2,2-20x2,8-16x2,2	851039BOGWBO05	5	25
1039	20x2,8-16x2,2-16x2,2	851039GWBOBO05	5	25
1039	20x2,8-16x2,2-20x2,8	851039GWBOGW05	5	25
1039	20x2,8-20x2,8-16x2,2	851039GWGWBO05	5	25
1039	25x3,5-20x2,8-20x2,8	851039GXGWGW05	3	15
1039	25x3,5-16x2,2-16x2,2	851039GXBOBO05	3	15
1039	25x3,5-16x2,2-20x2,8	851039GXBOGW05	3	15
1039	25x3,5-25x3,5-20x2,8	851039GXGXGW05	3	15
1039	20x2,8-25x3,5-20x2,8	851039GWGXGW05	3	15
1039	25x3,5-20x2,8-25x3,5	851039GXGXGX05	3	15
1039	25x3,5-16x2,2-25x3,5	851039GXBOGX05	3	15
1039	25x3,5-25x3,5-16x2,2	851039GXGXBO05	3	15
1039	32x4,4-20x2,8-32x4,4	851039GYGWGY05	2	10
1039	32x4,4-16x2,2-32x4,4	851039GYBOGY05	2	10
1039	32x4,4-25x3,5-32x4,4	851039GYGXGY05	2	10

Reduced axial TEE press fitting.



ART. 1040

ART.	SIZE	HEIGHT L (mm)	CODE		
1040	1/2"-16x2,2	40,5	851040ADBO05	10	20
1040	1/2"-16x2,2	55	851040ADBO5505	10	20
1040	1/2"-20x2,8	42,5	851040ADGW05	10	20
1040	1/2"-20x2,8	55	851040ADGW5505	10	20
1040	3/4"-25x3,5	49	851040AEGX05	8	16

Axial press fitting for wall plate fixing.



NEW
ART. 1040S

ART.	SIZE	CODE		
1040S	3/4"-25x3,5	851040S14506	10	20

Wall mounting bracket with flange (DX51). Height 2.5 mm, depth 30 mm, length 370 mm, 145 mm center-to-center distance, adjustable fitting angles 0°, 30°, 60°, 90°. Suitable for all types of support, including plasterboard, wood, and masonry. Supplied with screws for secure attachment of fittings.



NEW
ART. 1041

ART.	SIZE	CODE		
1041	1/2"-16X2,2	851041ADBO05	10	50
1041	1/2"-20X2,8	851041ADGW05	10	40
1041	3/4"-16x2,2	851041AEBO05	10	40
1041	3/4"-20x2,8	851041AEGW05	5	40
1041	3/4"-25x3,5	851041AEGX05	5	40
1041	1"-25X3,5	851041AFGX05	5	20
1041	1"-32X4,4	851041AFGY05	4	16
1041	3/4"EK-16X2,2	851041AEKBO05	10	40
1041	3/4"EK-20X2,8	851041AEKGW05	5	40

Axial straight seat fitting with 1/2' and 3/4' swivel. EPDM sealing gasket. **Thread ISO 228-1.**



NEW
ART. 1042

ART.	SIZE	CODE		
1042	Ø16x2,2	851042BO05	10	150
1042	Ø20x2,8	851042GW05	5	100
1042	Ø25x3,5	851042GX05	5	60

Axial Cap.



NEW
ART. 1043

ART.	SIZE	THICKNESS	CODE		
1043	16x15	2,2	851043BOGE07	1	10
1043	20x15	2,8	851043GWGE07	1	10

Axial straight welded chrome-plated fitting. Pipe 90°, L 250 mm.



NEW
ART. K1043

ART.	CODE	
K1043	85KIT1043GE06	1

Fixing bracket kit for radiator connection with 90° pipe.



NEW
ART. 1044

ART.	SIZE			THICKNESS		CODE		
	1	2	3	1	3			
1044	16	15	16	2,2 - 2,2		851044BOGEBO07	1	10
1044	16	15	20	2,2 - 2,8		851044BOGEGW07	1	10
1044	20	15	16	2,8 - 2,2		851044GWGEBO07	1	10
1044	20	15	20	2,8 - 2,8		851044GWGEGW07	1	10
1044	20	15	25	2,8 - 3,5		851044GWGEGX07	1	10
1044	25	15	20	3,5 - 2,8		851044GXGEGW07	1	10
1044	25	15	25	3,5 - 3,5		851044GXGEGX07	1	10

Axial chrome-plated welded TEE fitting. Tube 15°, L 250 mm.



NEW
ART. 1045

ART.	SIZE	CODE		
1045	1/2"-16X2,2	851045ADBO05	5	50
1045	1/2"-20X2,8	851045ADGW05	5	25
1045	3/4"-20X2,8	851045AEGW05	5	25
1045	3/4"-25X3,5	851045AEGX05	3	15
1045	1"-25X3,5	851045AFGX05	2	10
1045	1"-32X4,4	851045AFGY05	2	10

Female TEE.



ART. P180 SILVER

ART.	SIZE (mm)	WATER CONTENT L/M	CODE		
P180	16x2,2	0,117	88P180BO10094	100 m	
P180	20x2,8	0,113	88P180GW10094	100 m	
P180	25x3,5	0,133	88P180GX05094	50 m	
P180	32x4,4	0,194	88P180GY05094	50 m	

High Density Polyethylene Cross-linked **PE-Xa** pipe manufactured according to standards ISO 15875, AS 2492 and ASTM F876. With EVOH oxygen barrier according to DIN 4726 in three layers. Suitable for our axial press fittings. Certified with AENOR identification code 001/6649. Color RAL 7008.



ART. K1045

ART.	CODE		
K1045	81K1045BOGWGXGY	1	

Kit consisting of a battery-powered axial press tool, a battery-powered expander, 4 adapters (16, 20, 25, and 32 mm), 4 expander heads (16, 20, 25, and 32 mm), 2 batteries, and 1 charging base.



ART. 620

ART.	SIZE	CODE			
620	1/4"	81620AB05	10	500	
620	3/8"	81620AC05	10	300	
620	1/2"	81620AD05	10	300	
620	5/8"	81620AI05	10	200	
620	3/4"	81620AE05	10	100	

Union for fitting.



ART. 623

ART.	SIZE	CODE		
623	1/4"	81623AB05	10	
623	3/8"	81623AC05	10	
623	1/2"	81623AD05	10	
623	5/8"	81623AI05	10	
623	3/4"	81623AE05	10	

Copper gasket.



ART. 621

ART.	SIZE	CODE			
621	1/4"-3/8"	81621ABAC05	10	500	
621	3/8"-1/2"	81621ACAD05	10	300	

Reducing union for fitting.



ART. 624

ART.	SIZE	CODE		
624	1/4"	81624AB05	10	
624	3/8"	81624AC05	10	
624	1/2"	81624AD05	10	
624	5/8"	81624AI05	10	
624	3/4"	81624AE05	10	

Sealing cap.



ART. 622

ART.	SIZE	CODE		
622	1/4"	81622AB05	10	300
622	3/8"	81622AC05	10	200
622	1/2"	81622AD05	10	-
622	5/8"	81622AI05	10	-

Blind union (cap).



ART. 625

ART.	SIZE	CODE		
625	1/4"	81625AB05	10	500
625	3/8"	81625AC05	10	500
625	1/2"	81625AD05	10	200
625	5/8"	81625AI05	10	200
625	3/4"	81625AE05	10	200

Double straight fitting.



ART. 626

ART.	SIZE	CODE		
626	1/4" - 3/8"	81626ABAC05	10	250
626	1/4" - 1/2"	81626ABAD05	10	200
626	1/4" - 5/8"	81626ABAI05	10	250
626	3/8" - 1/2"	81626ACAD05	10	200
626	3/8" - 5/8"	81626ACAI05	10	-
626	1/2" - 5/8"	81626ADAI05	10	200
626	1/2" - 3/4"	81626ADAE05	10	150
626	5/8" - 3/4"	81626AIAE05	10	150

Reducing straight fitting.



ART. 628

ART.	SIZE	CODE	
628	1/4"	81628AB05	5
628	3/8"	81628AC05	5
628	1/2"	81628AD05	5
628	5/8"	81628AI05	5
628	3/4"	81628AE05	5

Double elbow fitting.



ART. 627

ART.	SIZE	CODE		
627	1/4"M-3/8"F	81627ABAC05	10	250
627	3/8"M-1/2"F	81627ACAD05	10	250
627	1/2"M-3/8"F	81627ADAC05	10	250

Male-Female straight fitting.



ART. 629

ART.	SIZE	CODE	
629	1/4"	81629AB05	5
629	3/8"	81629AC05	5
629	1/2"	81629AD05	5
629	3/4"	81629AE05	5

TEE fitting.

The **series 570** fittings can be used in sanitary water distribution systems (for heating or gas distribution systems)

The special HNBR seal, complying with standard EN 682, is suited for pipes containing gas or hot/cold fluids; fittings comply with standard EN1254/2.



ART. 570

ART.	SIZE	CODE		
570	12	81570ADFD05	1	50
570	14	81570RAGD05	1	50
570	15	81570RAGE05	1	50
570	16	81570RAGF05	1	50
570	18	81570HFHF05	1	50
570	22	81570MJMJ05	1	50

Double straight fitting.



ART. 572

ART.	SIZE	CODE	
572	1/2"F-12	81572ADFD05	100
572	1/2"F-14	81572RDGD05	100
572	1/2"F-15	81572RDGE05	100
572	1/2"F-16	81572RDGF05	100
572	3/4"F-12	81572LCFD05	100
572	3/4"F-14	81572REGD05	100
572	3/4"F-15	81572REGE05	100
572	3/4"F-16	81572REGF05	100
572	3/4"F-18	81572AEHF05	50
572	3/4"F-22	81572AEMJ05	50
572	1"F-22	81572AFMJ05	50

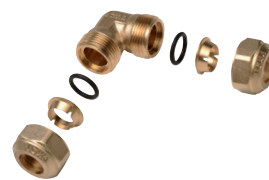
Female straight fitting.



ART. 571

ART.	SIZE	CODE	
571	1/2"M-12	81571ADFD05	100
571	1/2"M-14	81571RDGD05	100
571	1/2"M-15	81571RDGE05	100
571	1/2"M-16	81571RDGF05	100
571	3/4"M-12	81571LCFD05	100
571	3/4"M-14	81571REGD05	100
571	3/4"M-15	81571REGE05	100
571	3/4"M-16	81571REGF05	100
571	3/4"M-18	81571AEHF05	50
571	3/4"M-22	81571AEMJ05	50
571	1"M-18	81571AFHF05	50
571	1"M-22	81571AFMJ05	50

Male straight fitting.



ART. 575

ART.	SIZE	CODE		
575	12	81575ADFD05	1	50
575	14	81575RAGD05	1	50
575	15	81575RAGE05	1	50
575	16	81575RAGF05	1	50
575	18	81575HFHF05	1	40
575	22	81575MJMJ05	1	40

Double elbow.



ART. 576

ART.	SIZE	CODE		
576	1/2"M-12	81576ADFD05	1	50
576	1/2"M-14	81576RDGD05	1	50
576	1/2"M-15	81576RDGE05	1	50
576	1/2"M-16	81576RDGF05	1	50
576	3/4"M-12	81576LCFD05	1	50
576	3/4"M-14	81576REGD05	1	50
576	3/4"M-15	81576REGE05	-	50
576	3/4"M-16	81576REGF05	-	50
576	3/4"M-18	81576AEHF05	-	40
576	3/4"M-22	81576AEMJ05	-	40

Male elbow.



ART. 577

ART.	SIZE	CODE	
577	1/2"F-12	81577ADFD05	50
577	1/2"F-14	81577RDGD05	50
577	1/2"F-15	81577RDGE05	50
577	1/2"F-16	81577RDGF05	50
577	3/4"F-12	81577LCFD05	50
577	3/4"F-14	81577REGD05	50
577	3/4"F-15	81577REGE05	50
577	3/4"F-16	81577REGF05	50
577	3/4"F-18	81577AEHF05	40
577	3/4"F-22	81577AEMJ05	40

Female elbow.



ART. 580

ART.	SIZE	CODE	
580	12	81580ADFD05	50
580	14	81580RAGD05	50
580	15	81580RAGE05	50
580	16	81580RAGF05	50
580	18	81580HFHF05	40
580	22	81580MJMJ05	40

TEE fitting.



ART. 581

ART.	SIZE	CODE	
581	1/2"M-12	81581ADFD05	50
581	1/2"M-14	81581RDGD05	50
581	1/2"M-15	81581RDGE05	50
581	1/2"M-16	81581RDGF05	50
581	3/4"M-12	81581LCFD05	50
581	3/4"M-14	81581REGD05	50
581	3/4"M-15	81581REGE05	50
581	3/4"M-16	81581REGF05	50

Male TEE fitting.



ART. 582

ART.	SIZE	CODE	
582	1/2"F-12	81582ADFD05	50
582	1/2"F-14	81582RDGD05	50
582	1/2"F-15	81582RDGE05	50
582	1/2"F-16	81582RDGF05	50
582	3/4"F-12	81582LCFD05	50
582	3/4"F-14	81582REGD05	50
582	3/4"F-15	81582REGE05	50
582	3/4"F-16	81582REGF05	50
582	3/4"F-18	81582AEHF05	40
582	3/4"F-22	81582AEMJ05	40

Female TEE fitting.



G

CENTRAL HEATING SYSTEMS (GAS, GAS-OIL AND BIO-FUEL) PRODUCTS AND COMPONENTS



G1 PRESSURE SAFETY
SYSTEMS
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G5 FLUIDS SUPPLY/DISCHARGE
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G6 DRAUGHT REGULATORS
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G8 GAUGES, THERMOMETERS,
THERMOMANOMETERS,
VALVES FOR GAUGE,
CURLS
page 199



ART. 241

ART.	SIZE	BAR	CODE		
241	1/2"	1,5	91241ADAC	1	50
241	1/2"	1,8	91241ADBC	1	50
241	1/2"	2	91241ADAD	1	50
241	1/2"	2,5	91241ADAE	1	50
241	1/2"	3	91241ADAF	1	50
241	1/2"	3,5	91241ADAG	1	50
241	1/2"	4	91241ADAH	1	50
241	1/2"	5	91241ADAL	1	50
241	1/2"	6	91241ADAN	1	50
241	1/2"	7	91241ADAP	1	50
241	1/2"	8	91241ADAQ	1	50
241	1/2"	9	91241ADAR	1	50
241	1/2"	10	91241ADAS	1	50
241	3/4"	1,5	91241AEAC	1	50
241	3/4"	1,8	91241AEBC	1	50
241	3/4"	2	91241AEAD	1	50
241	3/4"	2,5	91241AEAE	1	50
241	3/4"	3	91241AEAF	1	50
241	3/4"	3,5	91241AEAG	1	50
241	3/4"	4	91241AEAH	1	50
241	3/4"	5	91241AEAL	1	50
241	3/4"	6	91241AEAN	1	50
241	3/4"	7	91241AEAP	1	50
241	3/4"	8	91241AEAQ	1	50
241	3/4"	9	91241AEAR	1	50
241	3/4"	10	91241AEAS	1	50
241	1"	1,5	91241AFAC	1	50
241	1"	1,8	91241AFBC	1	50
241	1"	2	91241AFAD	1	50
241	1"	2,5	91241AFAE	1	50
241	1"	3	91241AFAF	1	50
241	1"	3,5	91241AFAG	1	50
241	1"	4	91241FAFH	1	50
241	1"	5	91241AFAL	1	50
241	1"	6	91241AFAN	1	50
241	1"	7	91241AFAP	1	50
241	1"	8	91241AFAQ	1	50
241	1"	9	91241AFAR	1	50
241	1"	10	91241AFAS	1	50

Female/Female membrane safety valve. Calibration pressure to be specified. PN 10, max.working temperature 110°C, opening overpressure 10%, closing pressure 20%. The product complies with the Ped. 2014/68/UE norm - category IV. CE n. 0425 approval.



ART. 242

ART.	SIZE	BAR	CODE		
242	1/2"	1,5	91242ADAC	1	50
242	1/2"	1,8	91242ADBC	1	50
242	1/2"	2	91242ADAD	1	50
242	1/2"	2,5	91242ADAE	1	50
242	1/2"	3	91242ADAF	1	50
242	1/2"	3,5	91242ADAG	1	50
242	1/2"	4	91242ADAH	1	50
242	1/2"	5	91242ADAL	1	50
242	1/2"	6	91242ADAN	1	50
242	1/2"	7	91242ADAP	1	50
242	1/2"	8	91242ADAQ	1	50
242	1/2"	9	91242ADAR	1	50
242	1/2"	10	91242ADAS	1	50
242	3/4"	1,5	91242AEAC	1	50
242	3/4"	1,8	91242AEBC	1	50
242	3/4"	2	91242AEAD	1	50
242	3/4"	2,5	91242AEAE	1	50
242	3/4"	3	91242AEAF	1	50
242	3/4"	3,5	91242AEAG	1	50
242	3/4"	4	91242AEAH	1	50
242	3/4"	5	91242AEAL	1	50
242	3/4"	6	91242AEAN	1	50
242	3/4"	7	91242AEAP	1	50
242	3/4"	8	91242AEAQ	1	50
242	3/4"	9	91242AEAR	1	50
242	3/4"	10	91242AEAS	1	50

Male/Male membrane safety valve. Calibration pressure to be specified. PN 10, max.working temperature 110°C, opening overpressure 10%, closing pressure 20%. The product complies with the Ped. 2014/68/UE norm - category IV CE n. 0425 approval.



ART. 251

ART.	SIZE	BAR	CODE		
251	1/2"	1,5	91251ADAC	1	50
251	1/2"	1,8	91251ADBC	1	50
251	1/2"	2	91251ADAD	1	50
251	1/2"	2,5	91251ADAE	1	50
251	1/2"	3	91251ADAF	1	50
251	1/2"	3,5	91251ADAG	1	50
251	1/2"	4	91251ADAH	1	50
251	1/2"	5	91251ADAL	1	50
251	1/2"	6	91251ADAN	1	50
251	1/2"	7	91251ADAP	1	50
251	1/2"	8	91251ADAQ	1	50
251	1/2"	9	91251ADAR	1	50
251	1/2"	10	91251ADAS	1	50

Female/Female membrane safety valve. 1/4" connection for pressure gauge. Calibration pressure to be specified. PN 10, max. working temperature 110°C, opening overpressure 10%, closing pressure 20%. The product complies with the Ped. 2014/68/UE norm - category IV. CE n.0425 approval.



ART. 253

ART.	SIZE	BAR	CODE		
253	1/2"	1,5	91253ADAC	1	20
253	1/2"	1,8	91253ADBC	1	20
253	1/2"	2	91253ADAD	1	20
253	1/2"	2,5	91253ADAE	1	20
253	1/2"	3	91253ADAF	1	20
253	1/2"	3,5	91253ADAG	1	20
253	1/2"	4	91253ADAH	1	20
253	1/2"	5	91253ADAL	1	20
253	1/2"	6	91253ADAN	1	20
253	1/2"	7	91253ADAP	1	20
253	1/2"	8	91253ADAQ	1	20
253	1/2"	9	91253ADAR	1	20
253	1/2"	10	91253ADAS	1	20

Female/Female membrane safety valve with 1/4" connection for pressure gauge. Equipped with a pre-mounted pressure gauge. Calibration pressure to be specified. PN 10, max. working temperature 110°C, opening overpressure 10%, closing pressure 20%. The product complies with the Ped. 2014/68/UE norm - category IV. CE n. 0425 approval.



ART. 252

ART.	SIZE	BAR	CODE		
252	1/2"	1,5	91252ADAC	1	50
252	1/2"	1,8	91252ADBC	1	50
252	1/2"	2	91252ADAD	1	50
252	1/2"	2,5	91252ADAE	1	50
252	1/2"	3	91252ADAF	1	50
252	1/2"	3,5	91252ADAG	1	50
252	1/2"	4	91252ADAH	1	50
252	1/2"	5	91252ADAL	1	50
252	1/2"	6	91252ADAN	1	50
252	1/2"	7	91252ADAP	1	50
252	1/2"	8	91252ADAQ	1	50
252	1/2"	9	91252ADAR	1	50
252	1/2"	10	91252ADAS	1	50

Male/Female membrane safety valve. 1/4" connection for pressure gauge. Calibration pressure to be specified. PN 10, max. working temperature 110°C, opening overpressure 10%, closing pressure 20%. The product complies with the Ped. 2014/68/UE norm - category IV. CE n.0425 approval.




ART. 260

ART.	INLET SIZE	OUTLET SIZE	BAR	CODE	
260	1/2	3/4"	2,5	91260ADAE	1
260	1/2	3/4"	3	91260ADAF	1
260	1/2	3/4"	3,5	91260ADAG	1
260	1/2	3/4"	4	91260ADAH	1
260	1/2	3/4"	6	91260ADAN	1
260	3/4	1"	2,5	91260AEAE	1
260	3/4	1"	3	91260AEAF	1
260	3/4	1"	3,5	91260AEAG	1
260	3/4	1"	4	91260AEAH	1
260	3/4	1"	6	91260AEAN	1
260	1"	1"1/4	2,5	91260AFAE	1
260	1"	1"1/4	3	91260AFAF	1
260	1"	1"1/4	3,5	91260AFAG	1
260	1"	1"1/4	4	91260FAFH	1
260	1"	1"1/4	6	91260AFAN	1

Membrane safety valve. Fixed setting. Body and nut made of CW617N brass. PN 10. Overpressure 10%. Closing difference 20%. Max. temperature 140°C. FF connections. INAIL approved and set - The product complies with the PED. 2014/68/UE norm - CE n. 1115 approval.




ART. 254

ART.	SIZE	BAR	CODE		
254	3/8"	Adjustable	91254AC05	1	
254	1/2"	Adjustable	91254AD05	1	
254	3/4"	Adjustable	91254AE05	1	
254	1"	Adjustable	91254AF05	1	
254	1" 1/4	Adjustable	91254AG05	1	
254	1" 1/2	Adjustable	91254AH05	1	
254	2"	Adjustable	91254AJ05	1	
254	2" 1/2	Adjustable	91254AK05	1	
254	3"	Adjustable	91254AL05	1	

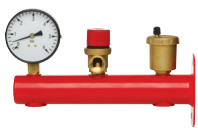
Female angle safety valve. With spring and conveyed discharge. Adjustable. 1-8 bar. **Metallic seat.** PN16.





ART. 256

ART.	SIZE	BAR	CODE		
256	3/8"	Adjustable	91256AC05	1	
256	1/2"	Adjustable	91256AD05	1	
256	3/4"	Adjustable	91256AE05	1	
256	1"	Adjustable	91256AF05	1	
256	1" 1/4	Adjustable	91256AG05	1	
256	1" 1/2	Adjustable	91256AH05	1	
256	2"	Adjustable	91256AJ05	1	
256	2" 1/2	Adjustable	91256AK05	1	
256	3"	Adjustable	91256AL05	1	

Female angle safety valve. With spring and conveyed discharge. Adjustable. 1-8 bar. **Rubber seat.** PN16.





ART. GS01

ART.	SAFETY VALVE	MANOMETER	CODE	 	
GS01	242 1/2"-3	244 1/4" 0-6	91GS01OO20	1	5
GS01	242 1/2"-6	244 1/4" 0-10	91GS01AN10	1	5

Pre-assembled safety group. Automatic air vent (art. 707), 1/2" safety valve (art. 242), pressure gauge (art. 244). 3/4" F lower connections, brackets for wall-fixing. PN10, max. working temperature 110°C, opening overpressure 10%, closing pressure 20%. Safety valve CE n. 0425 approval.





ART. GS02

ART.	CODE	 	
GS02	91GS02OO20	1	10

Pre-assembled safety group. Automatic air vent (art. 700), 1/2" safety valve 3 bar (art. 242), pressure gauge 0-6 bar (art. 257 1/4"). 1" F lower connections. PN 10, max. working temperature 110°C, opening overpressure 10%, closing pressure 20%. Safety valve CE n. 0425 approval.





ART. GS08

ART.	SIZE	CODE	 	
GS08	1/2"	91GS08AD06	25	250
GS08	3/4"	91GS08AE06	10	90

Safety valve M/F for water heaters. Set calibration 8 Bars \pm 0,5. Calibration at 6,7 and 11 bars on demand.



ART. GS09

ART.	SIZE	CODE	 	
GS09	1/2"	91GS09AD06	20	200
GS09	3/4"	91GS09AE06	20	200

Safety valve M/F with lever for water heaters. Set calibration 8 Bars \pm 0,5. Calibration at 6,7 and 11 bars on demand.



ART. GS10

ART.	SIZE	BAR	CODE	
GS10	1/4"	Adjustable	91GS10AB05	1
GS10	3/8"	Adjustable	91GS10AC05	1
GS10	1/2"	Adjustable	91GS10AD05	1
GS10	3/4"	Adjustable	91GS10AE05	1
GS10	1"	Adjustable	91GS10AF05	1
GS10	1"1/4	Adjustable	91GS10AG05	1
GS10	1"1/2	Adjustable	91GS10AH05	1
GS10	2"	Adjustable	91GS10AJ05	1

Free release safety valve, calibration 6 Bars, adjustment 1 to 8 Bars. Metal seat, PN16, working temperature 0-200°C. Calibration pressure ± 20%.



ART. GS11

ART.	SIZE	BAR	CODE	
GS11	1/4"	Adjustable	91GS11AB05	1
GS11	3/8"	Adjustable	91GS11AC05	1
GS11	1/2"	Adjustable	91GS11AD05	1
GS11	3/4"	Adjustable	91GS11AE05	1
GS11	1"	Adjustable	91GS11AF05	1
GS11	1"1/4	Adjustable	91GS11AG05	1
GS11	1"1/2	Adjustable	91GS11AH05	1
GS11	2"	Adjustable	91GS11AJ05	1

Free release safety valve, calibration 6 Bars, setting 1 to 8 Bars. Teflon seat, PN16, working temperature 0-120°C. Calibration pressure ± 20%.

MANUAL AND AUTOMATIC AIR VENTS AND DRAIN COCKS

ANTI-FREEZE VALVE

DESCRIPTION

Anti-Freeze Valve for Heat Pumps. Maximum operating pressure: 10 bar. Ambient temperature range: -40 to +60 °C. Maximum operating temperature: 65 °C (fluid temperature). Minimum operating temperature: 0 °C (fluid temperature).

STRENGTHS

- Thermostatic cartridge with moulded gasket for excellent resistance to high opening and closing cycles;
- nickel plating ensuring better corrosion resistance;
- minimum ambient temperature of -40 °C.



ART. 609

ART.	SIZE	CODE		
609	1"	90609AF06	1	10
609	1"1/4	90609AG06	1	10
609	28 mm	90609FA06	1	10



ART. 740

ART.	SIZE	CODE		
740	3/4"	82740AE05	1	10
740	1"	82740AF05	1	10
740	1"1/4	82740AG05	1	10
740	1"1/2	82740AH05	1	5

High capacity deaerator, for heating/conditioning systems, with side connections. Max. working pressure 10 bars. Max. temperature 160°C.



ART. S111

ART.	SIZE	CODE		
S111	1/2"	93S111AD05	1	10
S111	3/4"	93S111AE05	1	10

High capacity deaerator with radial connector. Max. working pressure 10 bars, max. temperature 160°.



*Ball drain cock art. 146



**Ball drain cock art. 131

ART. 745

ART.	SIZE	CODE		
745	3/4"	82745AE05*	1	10
745	1"	82745AF05*	1	10
745	1"1/4	82745AG05*	1	5
745	1"1/2	82745AH05*	1	5
745	2"	82745AJ05**	1	5

F/F dirt separator for heating/cooling systems, equipped with ball drain cock and rubber holder. Max. working pressure 10 bars, max. working temperature 110°C, stainless steel mesh.



*Ball drain cock art. 146



**Ball drain cock art. 131

ART. 746

ART.	SIZE	CODE		
746	3/4"	82746AE05*	1	10
746	1"	82746AF05*	1	10
746	1"1/4	82746AG05*	1	5
746	1"1/2	82746AH05*	1	5
746	2"	82746AJ05**	1	5

F-F dirt separator for heating and cooling systems provided with a removable magnetic cartridge to collect ferrous impurities and a drain cock with hose. Max. working pressure 10 bars, Max. working temperature 110°C, stainless steel mesh. **Magnetic field strength of 10.500 Gauss.**



ART. 747

ART.	SIZE	FINISH	CODE		
747	3/4"	BRASS	82747AE05	1	10

Magnetic compact dirt separator for under-boiler installation with a removable magnetic cartridge to collect ferrous impurities and a drain cock with hose. Max. working pressure 10 bars, Max. working temperature 110°C, stainless steel mesh. **Magnetic field strength of 10.500 Gauss.**

- Complete with 3/4" F-F connection fitting to boiler.



• 3/4" F-F connection fitting to boiler.



ART. 744

ART.	SIZE	CODE		
744	3/4" - 1"	82744AE05*	1	10
744	1"1/4 - 1"1/2 - 2"	82744AG05	1	10

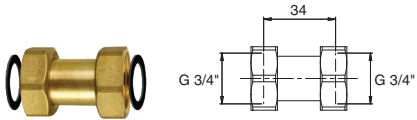
Magnetic candle for dirt separator art. 746. It can also be installed on the dirt separator art. 745 to be converted into a magnetic one. **Magnetic field strength of 10.500 Gauss.**
 *Also compatible with ICMA dirt remover art 747 with brass finish.



ART. 753

ART.	WALL CONNECTION SIZE	BOILER CONNECTION SIZE	FINISH	CODE		
753	3/4" M	3/4" F	NICKEL PLATED	82753AE06	1	10

Under-boiler magnetic filter equipped with interception ball valve. Max. working pressure 10 bar. max working temperature 110°C.
Magnetic field strength of 12.000 Gauss.



ART. 755

ART.	SIZE	FINISH	CODE	
755	3/4"	BRASS	82755AE05	1
755	3/4"	NICKEL PLATED	82755AE06	1

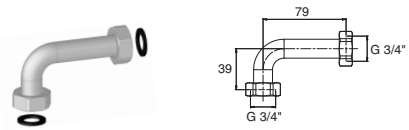
Straight fitting with revolving nut for compact dirt separator/boiler connection. Including two flat seat gaskets.



ART. 758

ART.	SIZE	CODE		
758	1/2" M	82758AD06	1	12

Proportional polyphosphate doser. Max. pressure 8 bar, working temperature 5°C-45°C. 1/2" orientable connections both horizontal and vertical. **RUNNING OUT OF PRODUCTION.**



ART. 756

ART.	SIZE	FINISH	CODE	
756	3/4"	BRASS	82756AE05	1
756	3/4"	NICKEL PLATED	82756AE06	1

Elbow fitting with revolving nut for compact dirt separator/boiler connection. Including two flat seat gaskets.




ART. 762

ART.	SIZE	CODE		
762	3/4"	82762AE06	1	30

Condensate neutralizer for condensing boilers. Max. pressure 3bar, max. flow rate 3 l/h, working temperature 5°C - 55°C. Connection 3/4". Equipped with a straight fitting and an elbow fitting for boiler connection. **RUNNING OUT OF PRODUCTION.**




ART. 82KITDUO

ART.	CODE	
KITDUO	82KITDUO	1

Boiler protection kit composed of Polyphosphate doser art. 758 + Under-boiler Magnetic Filter art. 753.




ART. 759

ART.	CODE	
759	82759AD06	1

Refill cartridge for Polyphosphate doser art. 758. The package contains No. 6 refill cartridges. **RUNNING OUT OF PRODUCTION.**




ART. 82KITTRIO

ART.	CODE	
KITTRIO	82KITTRIO	1

Boiler protection kit composed of Polyphosphate doser art. 758 + Condensate Neutralizer art. 762 + Under-boiler Magnetic Filter art. 753.



ART. 763

ART.	CODE	
763	82763AE06	1

Refill cartridge for Condensate Neutralizer art. 763. The package contains No. 6 refill cartridges. **RUNNING OUT OF PRODUCTION.**



ART. 700

ART.	SIZE	CODE				
700	3/8"	82700AC05	10	100		
700	1/2"	82700AD05	10	100		
700	3/8"	82700AC06	10	100		
700	1/2"	82700AD06	10	100		

Automatic floating air vent. Compact model.



ART. 707 + ART. 710

ART.	SIZE	CODE				
707+710	3/8"	82707AC05 710	10	50		
707+710	1/2"	82707AD05 710	10	50		
707+710	3/8"	82707AC06 710	10	50		
707+710	1/2"	82707AD06 710	10	50		

Automatic floating air vent with check valve. Packed together. Regular size.



ART. 700 + ART. 710

ART.	SIZE	CODE				
700+710	3/8"	82700AC05 710	10	50		
700+710	1/2"	82700AD05 710	10	50		
700+710	3/8"	82700AC06 710	10	50		
700+710	1/2"	82700AD06 710	10	50		

Automatic floating air vent with check valve. Packed together. Compact model.



ART. 708

ART.	SIZE	CODE				
708	3/8"	82708AC05	10	100		
708	1/2"	82708AD05	10	100		
708	3/8"	82708AC06	10	100		
708	1/2"	82708AD06	10	100		

Automatic floating air vent. Big size. **Manual use also available.**



ART. 707

ART.	SIZE	CODE				
707	3/8"	82707AC05	10	100		
707	1/2"	82707AD05	10	100		
707	3/4"	82707AE05	10	100		
707	3/8"	82707AC06	10	100		
707	1/2"	82707AD06	10	100		
707	3/4"	82707AE06	10	100		

Automatic floating air vent. Regular size.



ART. 709

ART.	SIZE	CODE				
709	3/8"	82709AC05	10	100		
709	1/2"	82709AD05	10	100		
709	3/8"	82709AC06	10	100		
709	1/2"	82709AD06	10	100		

Automatic floating air vent. Very small outside diameter particularly suitable for coplanar manifolds. Manual use also available.



ART. 715

ART.	SIZE	CODE		
715	3/8"	82715AC06	10	100
715	1/2"	82715AD06	10	100
715	3/4"	82715AE06	10	100

Angle automatic floating air vent. Nickel plated. Manual use also available.



ART. 719

ART.	SIZE	CODE		
719	3/8"	82719AC05	10	100
719	1/2"	82719AD05	10	100
719	3/8"	82719AC06	10	100
719	1/2"	82719AD06	10	100

Automatic floating air vent. Lateral discharge.



ART. 710

ART.	SIZE	CODE	
710	3/8"	82710AC05	100
710	1/2"	82710AD05	100
710	3/8"	82710AC06	100
710	1/2"	82710AD06	100

Check valve for art. 700 - 707 - 708 - 709.



ART. 711

ART.	SIZE	CODE	
711	1/2"	82711AD06	50

Drain cock. Body made of nickel plated brass, revolving knob made of nylon. EPDM O-ring. 1/2" thread.



ART. 135

ART.	SIZE	CODE	
135	1/2" M x Ø 15	90135AD05	100

Drain cock for boilers, ball valve with lever, hose and cap.



ART. 146

ART.	SIZE	CODE	
146	1/2"	90146AD05	100

Ball valve drain cock for boiler. PN 10.



ART. 150


ART.	SIZE	CODE	
150	3/8"	90150AC05	100
150	1/2"	90150AD05	100
150	3/4"	90150AE05	50

Drain cock for boiler. PN 10.



ART. 602

Liquid and gaseous fuel interception valve. Manual resetting. Liquid expansion thermostatic element. Capillary length: 5 m. Temperature setting: 97°C ± 3°C. PN 6. Sensor side max. temperature 120°C. Valve side max. temperature 50°C. INAIL approved and set - The product complies the PED 2014/68/UE norm.



ART.	SIZE	CODE		
602	1/2"	90602AD05	1	
602	3/4"	90602AE05	1	
602	1"	90602AF05	1	
602	1" 1/4	90602AG05	1	
602	1" 1/2	90602AH05	1	
602	2"	90602AJ05	1	
602	DN65	90602AK05	1	
602	DN80	90602AL05	1	
602	DN100	90602AN05	1	



For better functioning
we suggest the installation with
our art.50, on page 139



ART. 249

ART.	SIZE	CODE		
249	1/2"	91249AD05	1	20



Heavy model filling group with stop cock and filter. 1/4" connection for gauge. Check valve. Max. inlet pressure 20 bar, adjustable outlet pressure from 1 to 6 bar (factory setting 1,5 bar), max. working temperature 90°C.



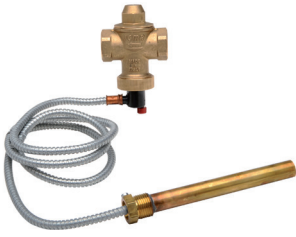
For better functioning
we suggest the installation with our
art.50, on page 139



ART. 249 + ART. 244

ART.	SIZE	CODE		
249+244	1/2"	91249AD05 244	1	20

Heavy model filling group with stop cock and filter. 1/4" connection for gauge. Check valve. Max. inlet pressure 20 bar, adjustable outlet pressure from 1 to 6 bar (factory setting 1,5 bar), max. working temperature 90°C. With gauge.



ART. 605

ART.	SIZE	CODE		
605	3/4"	90605AE05	1	10

The double safety thermal drain valve prevents heat generators, such as biomass-fired boilers, from the overheating. When the temperature reaches 95°C the valve opens to release excess hot water. Opening temperature 95°C, Max. capacity: 93 KW - 80000 Kcal/h, max. water flow 2000 kg/h, 1/2" cockpit connection, 152 mm cockpit length.

PLEASE NOTE: the double safety consists of 2 thermostatic elements with 2 capillaries. In case of malfunction or accidental break of an element, the other one ensures the opening.



ART. 606

ART.	SIZE	CODE	
606	1"1/4	90606AG05	1
606	1"1/2	90606AH05	1

Thermic drain valve. **INAIL approved.** Manual resetting and optical signal. Temperature setting 95°C, IP40.

TECHNICAL FEATURES

Drainage potentiality:
 - 1"1/4 176.750 Kcal/h equal to 7.070 l/h
 - 1"1/2 318.200 Kcal/h equal to 12.728 l/h



ART. 608

ART.	SIZE	CODE		
608	3/4"	90608AE05	1	10

Thermal drain valve. It prevents heat generators, such as biomass-fired boilers, from the overheating. When the temperature reaches 95°C the valve opens to release excess hot water. Opening temperature 95°C, Max. capacity: 93 KW - 80000 Kcal/h, max. water flow 2000 kg/h, 1/2" cockpit connection.



ART. 266

ART.	SIZE	BAR	CODE		
266	1/2" Mx 1/2" F	3	91266ADAF	1	20
266	1/2" Mx 1/2" F	6	91266ADAN	1	20
266	1/2" Mx 1/2" F	8	91266ADAQ	1	20
266	3/4" Mx 3/4" F	3	91266AEAF	1	20
266	3/4" Mx 3/4" F	6	91266AEAN	1	20
266	3/4" Mx 3/4" F	8	91266AEAQ	1	20

The temperature and pressure relief valve discharges the hot water contained in a storage tank when the temperature is over 100°C or when the pressure is exceeding valve set value. The valve closes when the pressure and/or the temperature decreases within the set tolerances. The valve starts opening at a temperature between 98°C and 100°C.



ART. 267

ART.	SIZE	CODE		
267	3/4"	90267AE05	1	10

Thermal release valve. It prevents overheating in thermal generators, such as biomass-fired boilers. When the temperature of 95°C is reached, the valve opens, enabling hot water in excess to be discharged, and letting cold water flow into the boiler. Opening temperature 95°C, max. capacity: 93 KW - 80000 kcal/h, max. water flow 2000kg/h, cockpit connection 1/2".



ART. 131

ART.	CONNECTIONS	CALIBRATION	CODE		
131	1"1/4	45°	90131AF0545	1	10
131	1"1/4	55°	90131AF0555	1	10
131	1"1/4	60°	90131AF0560	1	10
131	1"1/4	70°	90131AF0570	1	10
131	1"1/2	45°	90131AG0545	1	10
131	1"1/2	55°	90131AG0555	1	10
131	1"1/2	60°	90131AG0560	1	10
131	1"1/2	70°	90131AG0570	1	10

Male anti-condensation valve on the 3 ways. Working temperature range 45°/55°/60°/70°. It automatically regulates at the set value the temperature of the water returning to the generator.



ART. 133

ART.	CONNECTIONS	CALIBRATION	CODE		
133	1"	45°	90133AF0545	1	10
133	1"	55°	90133AF0555	1	10
133	1"	60°	90133AF0560	1	10
133	1"	70°	90133AF0570	1	10
133	1"1/4	45°	90133AG0545	1	10
133	1"1/4	55°	90133AG0555	1	10
133	1"1/4	60°	90133AG0560	1	10
133	1"1/4	70°	90133AG0570	1	10

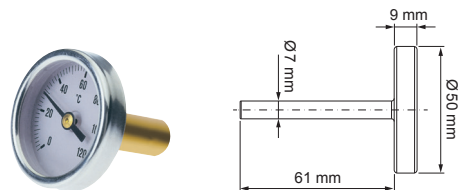
Female anti-condensation valve. Working temperature range 45°/55°/60°/70°. It automatically regulates at the set value the temperature of the water returning to the generator.



ART. 132

ART.	CONNECTIONS	CALIBRATION	CODE		
132	1"	45°	90132AF0545	1	10
132	1"	55°	90132AF0555	1	10
132	1"	60°	90132AF0560	1	10
132	1"	70°	90132AF0570	1	10
132	1"1/4	45°	90132AG0545	1	10
132	1"1/4	55°	90132AG0555	1	10
132	1"1/4	60°	90132AG0560	1	10
132	1"1/4	70°	90132AG0570	1	10

Anti-condensation valve with male unions on the 3 ways. Working temperature range 45°/55°/60°/70°. It automatically regulates at the set value the temperature of the water returning to the generator.



ART. 134

ART.	°C	CODE	
134	0-120	871340120	1

Anti-condensation valve thermometer, 7 mm holder diameter, 0-120°C.



ART. 147

Draught regulator for wood, carbon and multi-fuel boilers. Temperature regulation range 30-100°C. The draught regulator controls the flow of the air and modulates the fire intensity according to the request of the system.

TECHNICAL FEATURES:

- Wax thermostatic element: high precision and power.
- Metallic body.
- High temperature proof handwheel.
- Regulating scale 30° ± 100°C.
- Chain lenght: 1200 mm.
- 120° bended standard lever; from 120 mm to 145 mm; chain. stroke 6 mm./10°C; force 0,850 Kg.
- 3/4" conical connection to the boiler; vertical or horizontal. positioning.

ART.	SIZE	CONNECTION THREAD	CODE		
147	3/4"	3/4"	90147AE06	1	20



ART. 603



ART. 610

ART.	SIZE	CODE	
603 MAX	1/4"	90603AB53	1
603 MIN	1/4"	90603AB05MIN	1

ART.	CODE	
610	9061009053	1

Manual resetting pressure switch with graduated scale for heating systems. Available in two versions:

- 1) Maximum (or safety) pressure switch: Pressure range: 2,0 - 4,5 bars, factory setting 3 bars. Contacts: 16A (10)A - 250V. IP44 protection degree. Max. fluid temperature 110°C.
- 2) Minimum pressure switch: Pressure range: 0,5 - 1,7 bars, factory setting 0,9 bars. Contacts: 16A (10)A - 250V. IP44 protection degree. Max. fluid temperature 110°C.

The product complies with the PED 2014/68/UE norm.

Contact control thermostat, with two-metal sensor, setting range 30°C ± 90°C, IP40, contacts capacity 16 (4) A 250 V~, 6 (1)A 400 V~, differential 6 ± 2°C. CE approved.



ART. 604



ART. 611

ART.	SIZE	CODE	
604	1"	90604AF05	1

ART.	CODE	
611	9061109053	1

Flow switch for liquids. Suitable for pipes from DN 1" to DN 8". Aluminium body. Brass connection.

Microswitch: 16(5)A. Max. working pressure: 10 bar. Max. working temperature: 120°C. Room temperature: 60°C. Protection degree IP64. The product complies with the 2006/95/CE norm.

Immersion thermostat, with switching contact. Bulb with cockpit, connection thread 1/2", 100 mm long included, setting range 30°C ± 90°C, IP40, contact capacity 16 (4) A 250 V~, 6 (1)A 400V~, differential 6 ± 2°C. CE and INAIL approved.



ART. 612

ART.	CODE	
612	9061209053	1

Immersion safety thermostat, fixed calibration, manual reset and positive safety device. Calibration valve 100°C. Bulb with cockpit, connection 1/2", 100 mm long included, contacts capacity 16 (4) A 250 V~, 6 (1)A 400 V~, CE approved.

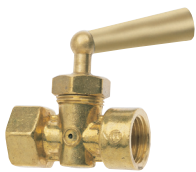


ART. 613

ART.	CODE	
613	9061309053	1

Immersion control and safety thermostat (with manual reset). Setting range 30°C ÷ 90°C (differential 6 ± 2°C), fixed calibration valve 100°C. Bulb with cockpit, connection thread 1/2" 100 mm long included, contacts capacity 16 (4) A 250 V~, 6 (1)A 400 V~, CE approved.

MANOMETRI, TERMOMETRI, TERMOMANOMETRI, VALVOLE PER MANOMETRI E RICCIOLO



ART. 151

ART.	SIZE	CODE	
151	1/2"	90151AD05	50

Female gauge tap. PN 16. Max.working temperature 110°C.



ART. 158

ART.	SIZE	CODE	
158	1/4"	90158AB05	100
158	3/8"	90158AC05	100
158	1/2"	90158AD05	50

Female gauge tap. PN 16. Suitable for steam up to 140°C. Metallic gasket for high temperature.



ART. 159

ART.	SIZE	CODE	
159	1/4"	90159AB05	50
159	3/8"	90159AC05	50
159	1/2"	90159AD05	50

Three-way gauge tap M-F. INAIL approved. PN16. Max.working temperature 110°C.



ART. 160

ART.	SIZE	CODE	
160	1/4"	90160AB05	100
160	3/8"	90160AC05	100
160	1/2"	90160AD05	100

Gauge tap. male-female connections. PN 16. Max.working temperature 110°C.



ART. 183

ART.	SIZE	CODE		
183	1/2" 1/2"	90183AD05	50	
183	1/2" M20x1,5	90183ADA005	50	

Three-way **Female-Female** gauge tap, INAIL approved. PN 16. Max. operating temperature 110°C.



ART. 244

ART.	SIZE	BAR	CODE		
244	1/4"	0 - 4	91244AB04	1	100
244	1/4"	0 - 6	91244AB06	1	100
244	1/4"	0 - 10	91244AB10	1	100

1/4" gauge. Radial connection. Ø 63. When ordering please specify the operating pressure.



ART. 153

ART.	SIZE	CODE		
153	1/4"	90153AB06	1	
153	3/8"	90153AC06	1	
153	1/2"	90153AD06	1	

Male/Female revolving curl for pressure gauge. Nickel plated. PN 25. Max. working temperature 120°C.



ART. 257

ART.	SIZE	BAR	CODE		
257	1/4"	0 - 4	91257AB04	1	100
257	1/4"	0 - 6	91257AB06	1	100
257	1/4"	0 - 10	91257AB10	1	100
257	1/4"	0 - 16	91257AB16	1	100

Pressure gauge. Radial connection. **Max. pressure indication. Ø 63. INAIL approved.**



ART. 243

ART.	SIZE	BAR	CODE		
243	1/4"	0 - 4	91243AB04	1	100
243	1/4"	0 - 6	91243AB06	1	100
243	1/4"	0 - 10	91243AB10	1	100

1/4" gauge. Back connection. Ø 63. When ordering please specify the operating pressure.



ART. 263

ART.	SIZE	BAR	CODE		
263	1/4"	0 - 4	91263AB04	1	100
263	1/4"	0 - 6	91263AB06	1	100
263	1/4"	0 - 10	91263AB10	1	100

Pressure gauge. Back connection **with red pointer for maximum pressure indication. Ø 63. INAIL approved.**



ART. 255

ART.	SIZE	BAR	CODE		
255	3/8"	0 - 6	91255AC06	1	100
255	3/8"	0 - 10	91255AC10	1	100
255	3/8"	0 - 16	91255AC16	1	100
255	1/2"	0 - 6	91255AD06	1	100
255	1/2"	0 - 10	91255AD10	1	100
255	1/2"	0 - 16	91255AD16	1	100

Radial connection gauge. Ø 80. When ordering please specify the operating pressure. **INAIL approved.**



ART. 282

ART.	SIZE	mBAR	CODE	
282	1/4"	0 - 60	91282AB060	1
282	1/4"	0 - 100	91282AB100	1
282	1/4"	0 - 150	91282AB150	1
282	1/4"	0 - 250	91282AB250	1
282	1/4"	0 - 400	91282AB400	1
282	1/4"	0 - 600	91282AB600	1

Membrane gauge for gas with 1/4 radial connection. Ø 63.



ART. 283

ART.	SIZE	mBAR	CODE	
283	1/4"	0 - 6	91283AB06	1
283	1/4"	0 - 10	91283AB10	1
283	1/4"	0 - 16	91283AB16	1

Glycerine gauge with 1/4 radial connection. Max. operating temperature 160°C. **Ø 63.**



ART. 258

ART.	SIZE	BAR	°C	CODE		
258	1/2"	0 - 4	0 - 120	91258AD04120	1	50
258	1/2"	0 - 6	0 - 120	91258AD06120	1	50
258	1/2"	0 - 10	0 - 120	91258AD10120	1	50

Thermomanometer with check valve. Radial connection, temperature range 0 ÷ 120°C, pressure scale 0 ÷ 4 bar or 0 ÷ 6 bar or 0 ÷ 10 bar. Pressure precision: CL 1,6. Temperature precision: CL 2.IP 34 protection degree. **Ø 80.**



ART. 259

ART.	SIZE	BAR	°C	CODE		
259	1/2"	0 - 4	0 - 120	91259AD04120	1	100
259	1/2"	0 - 6	0 - 120	91259AD06120	1	100
259	1/2"	0 - 10	0 - 120	91259AD10120	1	100

Thermomanometer with check valve. Back connection, temperature range 0 ÷ 120°C, pressure scale 0 ÷ 4 bar or 0 ÷ 6 bar or 0 ÷ 10 bar. Pressure precision: CL 1,6. Temperature precision: CL 2.IP 34 protection degree. **Ø 80**



ART. 287

ART.	SIZE	CODE		
287	0-120	872870120	1	100

Thermometer with spring clip, 60 mm diameter.



ART. 207

ART.	SIZE	FINISH	CODE		
207	3/8"	BRASS	87207AC05	10	400
207	3/8"	NICHEL PLATED	87207AC06	10	400

Cockpit for thermometer art. 206 and 287.



H

SOLAR SYSTEMS PRODUCTS AND COMPONENTS



H1 PRE-ASSEMBLED GROUPS
FOR SOLAR SYSTEMS
page 204



H3 TEMPERATURE HYDRONIC
REGULATION FOR
SOLAR SYSTEMS
page 210

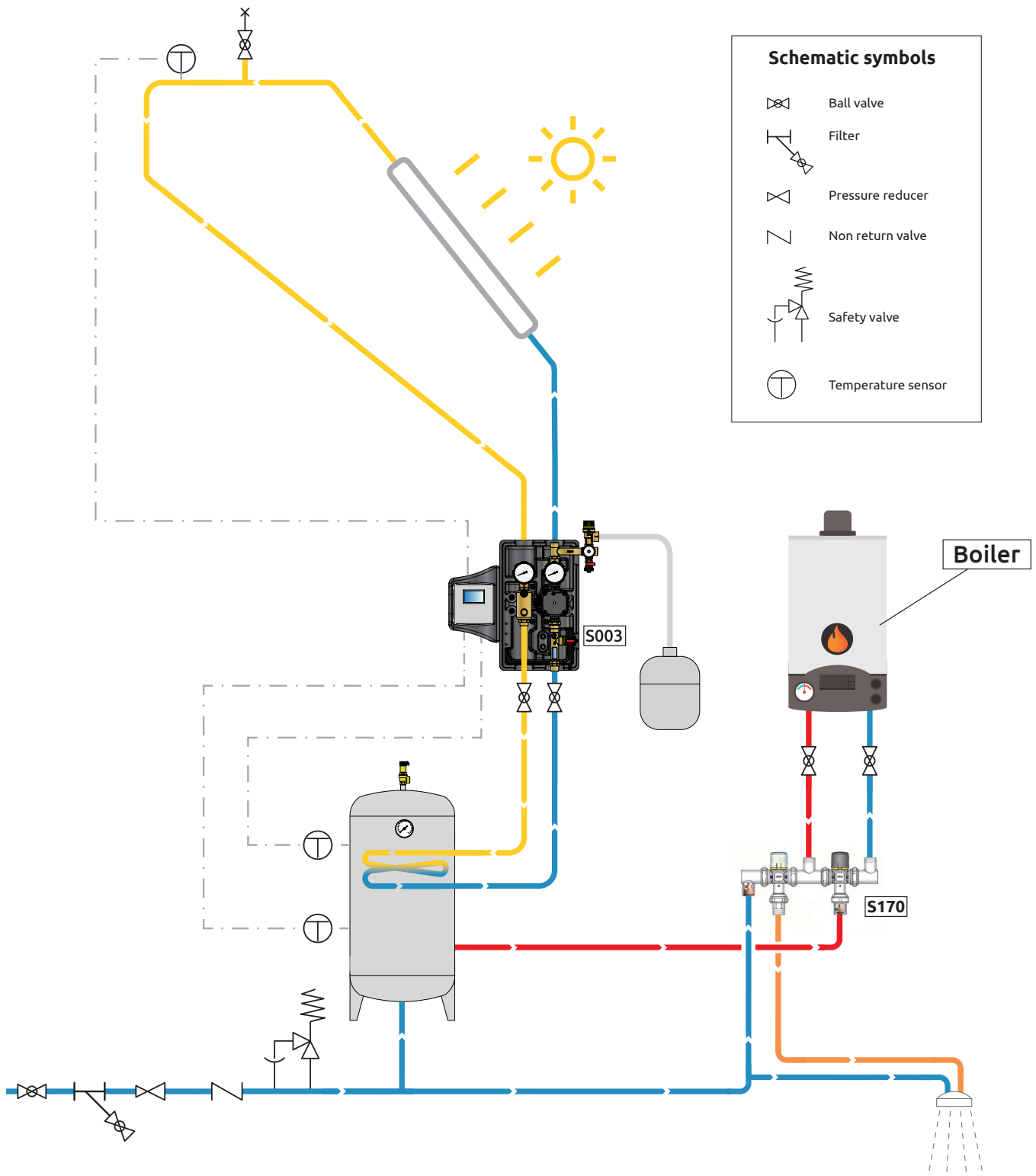


H2 ELECTRONIC REGULATORS
FOR SOLAR SYSTEMS
page 209




H4 SAFETY EQUIPMENT FOR
SOLAR SYSTEMS
page 212

SOLAR SYSTEM SCHEME





ART. S001


ART.	SIZE	PUMP	CIRCULATOR CONTROL SIGNAL		PWM SIGNAL CABLE	CODE	
			ON/OFF	PWM			
S001	3/4"	NO PUMP	X	X	X	93S001AE05SC	1
S001 •	3/4"	Wilo ST 20/6	✓	X	X	93S001AE05	1
S001 •	3/4"	Grundfos 15/6	✓	X	X	93S001AE05G	1
S001	3/4"	Taco ES2 15-70/130	✓	X	X	93S001S166	1
S001	3/4"	UPM3 15-75 ELECTRONIC CIRCULATOR	✓	✓	NOT INCLUDED*	93S001S163	1
S001	3/4"	Wilo Para ST 15/6 ELECTRONIC CIRCULATOR	✓	X	X	93S001S165	1
S001	3/4"	Hefei Xinhua GPA 20-7.5 III	✓	✓	NOT INCLUDED*	93S001S167	1
S001	3/4"	Wilo Para STG 15-130/8-75/12	✓	✓	NOT INCLUDED*	93S001S168	1

Delivery and return circulation group for primary circuits of solar systems. The flow goes from the solar panel to the boiler. It includes: interception ball valves with thermometers, pump for solar plants, air vent group, 6 bar safety valve, filling and drain taps to wash the system before filling, 0-12 lt/min flowmeter to regulate the flow, antigravity check valve, gauge, thermalproof shell.

- Products equipped with circulators "Wilo ST 20/6" and "Grundfos 15/6" are intended for sale in non-EU countries.
- *To be purchased separately (see page 229), in case of connection with electronic controller with PWM signal.



ART. S002


ART.	SIZE	PUMP	CIRCULATOR CONTROL SIGNAL		PWM SIGNAL CABLE	CODE	
			ON/OFF	PWM			
S002	3/4"	NO PUMP	X	X	X	93S002AE05SC	1
S002 •	3/4"	Wilo ST 20/6	✓	X	X	93S002AE05	1
S002 •	3/4"	Grundfos 15/6	✓	X	X	93S002AE05G	1
S002	3/4"	Taco ES2 15-70/130	✓	X	X	93S002S166	1
S002	3/4"	UPM3 15-75 ELECTRONIC CIRCULATOR	✓	✓	NOT INCLUDED*	93S002S163	1
S002	3/4"	Wilo Para ST 15/6 ELECTRONIC CIRCULATOR	✓	X	X	93S002S165	1
S002	3/4"	Hefei Xinhua GPA 20-7.5 III	✓	✓	NOT INCLUDED*	93S002S167	1
S002	3/4"	Wilo Para STG 15-130/8-75/12	✓	✓	NOT INCLUDED*	93S002S168	1

Return circulation group for primary circuits of solar systems. The flow goes from the solar panel to the boiler. It includes: interception ball valves with thermometers, pump for solar plants, 6 bar safety valve, filling and drain taps to wash the system before filling, 0-12 lt/min flowmeter to regulate the flow, anti-gravity check valve, gauge, thermal-proof shell.

- Products equipped with circulators "Wilo ST 20/6" and "Grundfos 15/6" are intended for sale in non-EU countries.
- *To be purchased separately (see page 229), in case of connection with electronic controller with PWM signal.



ART. TAS003

ART.	SIZE	PUMP	CIRCULATOR CONTROL SIGNAL		PWM SIGNAL CABLE	CODE	
			ON/OFF	PWM			
TAS003+S303 ●	3/4"	Grundfos 15/65	√	X	X	TAS003AE05GS303	1
TAS003+S303 ●	3/4"	Wilo ST 20/6	√	X	X	TAS003AE05S303	1
TAS003+S303	3/4"	Taco ES2 15-70/130	√	X	X	TAS003S166S303	1
TAS003+S303	3/4"	UPM3 15-75 ELECTRONIC CIRCULATOR	√	√	NOT INCLUDED*	TAS003S163S303	1
TAS003+S303	3/4"	Wilo Para ST 15/6 ELECTRONIC CIRCULATOR	√	√	X	TAS003S165S303	1
TAS003+S303	3/4"	Hefei Xinhua GPA 20-7.5 III	√	√	NOT INCLUDED*	TAS003S167S303	1
TAS003+S303	3/4"	Wilo Para STG 15-130/8-75/12	√	√	NOT INCLUDED*	TAS003S168S303	1
TAS003+S305 ●	3/4"	Grundfos 15/65	√	X	X	TAS003AE05GS305	1
TAS003+S305 ●	3/4"	Wilo ST 20/6	√	X	X	TAS003AE05S305	1
TAS003+S305	3/4"	Taco ES2 15-70/130	√	X	X	TAS003S166S305	1
TAS003+S305	3/4"	UPM3 15-75 ELECTRONIC CIRCULATOR	√	√	NOT INCLUDED*	TAS003S163S305	1
TAS003+S305	3/4"	Wilo Para ST 15/6 ELECTRONIC CIRCULATOR	√	√	X	TAS003S165S305	1
TAS003+S305	3/4"	Hefei Xinhua GPA 20-7.5 III	√	√	NOT INCLUDED*	TAS003S167S305	1
TAS003+S305	3/4"	Wilo Para STG 15-130/8-75/12	√	√	NOT INCLUDED*	TAS003S168S305	1


Delivery and return solar station for primary circuits of solar systems **with integrated controller**. The flow goes from the solar panel to the boiler. It includes: interception ball valves with thermometers, pump for solar plants, air vent group, 6 bar safety valve, filling and drain taps to wash the system before filling, 0-12 lt/min flowmeter to regulate the flow, antigravity check valve, gauge, thermal-proof shell. **It can be integrated with the microprocessor units art. S303 or art. S305.**

● Products equipped with circulators "Wilo ST 20/6" and "Grundfos 15/6" are intended for sale in non-EU countries.

*To be purchased separately (see page 229), in case of connection with electronic controller with PWM signal.



ART. S004


ART.	SIZE	PUMP	CIRCULATOR CONTROL SIGNAL		PWM SIGNAL CABLE	CODE	
			ON/OFF	PWM			
S004+S303	3/4"	NO PUMP	X	X	X	93S004SCS303	1
S004+S303 ●	3/4"	Wilo ST 20/6	✓	X	X	93S004AE05S303	1
S004+S303 ●	3/4"	Grundfos 15/65	✓	X	X	93S004AE05GS303	1
S004+S303	3/4"	Grundfos UPM3 15-75 ELECTRONIC CIRCULATOR	✓	✓	NOT INCLUDED*	93S004S163S303	1
S004+S303	3/4"	Wilo Para ST 15/6 ELECTRONIC CIRCULATOR	✓	X	X	93S004S165S303	1
S004+S303	3/4"	Taco ES2 15-70/130	✓	X	X	93S004S166S303	1
S004+S303	3/4"	Hefei Xinhua GPA 20-7.5 III	✓	✓	NOT INCLUDED*	93S004S167S303	1
S004+S303	3/4"	Wilo Para STG 15-130/8-75/12	✓	✓	NOT INCLUDED*	93S004S168S303	1
S004+S305	3/4"	NO PUMP	X	X	X	93S004SCS305	1
S004+S305 ●	3/4"	Wilo ST 20/6	✓	X	X	93S004AE05S305	1
S004+S305 ●	3/4"	Grundfos 15/6	✓	X	X	93S004AE05GS305	1
S004+S305	3/4"	Grundfos UPM3 15-75 ELECTRONIC CIRCULATOR	✓	✓	NOT INCLUDED*	93S004S163S305	1
S004+S305	3/4"	Wilo Para ST 15/6 ELECTRONIC CIRCULATOR	✓	X	X	93S004S165S305	1
S004+S305	3/4"	Taco ES2 15-70/130	✓	X	X	93S004S166S305	1
S004+S305	3/4"	Hefei Xinhua GPA 20-7.5 III	✓	✓	NOT INCLUDED*	93S004S167S305	1
S004+S305	3/4"	Wilo Para STG 15-130/8-75/12	✓	✓	NOT INCLUDED*	93S004S168S305	1

Return circulation group for primary circuits of solar systems with integrated controller. The flow goes from the solar panel to the boiler. It includes: interception ball valves, pump for solar plants, air vent group, 6 bar safety valve, filling and drain taps to wash the system before filling, 0-12 lt/min flowmeter to regulate the flow, anti-gravity check valve, gauge, thermal-proof shell. **It can be integrated with the microprocessor units art. S303 or art. S305.**

- Products equipped with circulators "Wilo ST 20/6" and "Grundfos 15/6" are intended for sale in non-EU countries.
- *To be purchased separately (see page 229), in case of connection with electronic controller with PWM signal.



ART. TAS001

ART.	SIZE	PUMP	CIRCULATOR CONTROL SIGNAL		PWM SIGNAL CABLE	CODE	
			ON/OFF	PWM			
TAS001●	3/4"	Wilco ST 20/6	√	X	X	TAS001AE05	1
TAS001●	3/4"	Grundfos 15/6	√	X	X	TAS001AE05G	1
TAS001	3/4"	Taco ES2 15-70	√	X	X	TAS001AE05S166	1
TAS001	3/4"	UPM3 15-75 ELECTRONIC CIRCULATOR	√	√	NOT INCLUDED*	TAS001AE05S163	1
TAS001	3/4"	Wilco Para ST 15/6 ELECTRONIC CIRCULATOR	√	X	X	TAS001AE05S165	1
TAS001	3/4"	Hefei Xinhua GPA 20-7.5 III	√	√	NOT INCLUDED*	TAS001AE05S167	1
TAS001	3/4"	Wilco Para STG 15-130/8-75/12	√	√	NOT INCLUDED*	TAS001AE05S168	1

Delivery and return circulation group for primary circuits of solar systems. The flow goes from the solar panel to the boiler. It includes: interception ball valves with thermometers, pump for solar plants, Wilco Para 15/1-7 or Grundfos 15/6, air vent group, 6 bar safety valve, filling and drain taps to wash the system before filling, 0-12 lt/min flowmeter to regulate the flow, antigravity check valve, gauge, thermal-proof shell.

● Products equipped with circulators "Wilco ST 20/6" and "Grundfos 15/6" are intended for sale in non-EU countries.

*To be purchased separately (see page 229), in case of connection with electronic controller with PWM signal.



ART. S303

ART.	CODE	
S303	93S3030302PWM	1

Centralized control unit for thermal solar panels. Equipped with 3 relay outputs (2 for loads + 1 for alarm), PWM output, 0..10V output and 3 inputs (Ntc sensors/probes), can adjust and manage up to 6 different types of solar systems. **Control unit supplied with 2 NTC probes.**



ART. S307

ART.	CODE	
S307	93S3070302	1

Microprocessor control unit for solar systems with 3 inputs for temperature sensors and 2 outputs, 1 for pump control and 1 potential-free contact for a supplementary function. The price includes **2 NTC sensors.**



ART. S305

ART.	CODE	
S305	93S3050404PWM	1

Centralized control unit for thermal solar panels. Equipped with 5 outputs (Load Relays + Alarm Relays), 2 PWM outputs, and 4 Inputs (Pt1000 sensors/probes) it is able to manage a system configuration that can be selected among 20 common types of layouts. **Control unit supplied with 3 PT1000 probes.**



ART. S309

ART.	CODE	
S309	C93S3090301PWM	1

Differential Solar Controller. The unit features 9 selectable hydraulic schemes and can receive temperature readings from 3 different Pt1000 sensors. It is equipped with a relay output or, alternatively, a PWM output for high-efficiency pumps. **Includes 2 Pt1000 temperature sensors with 2-meter cables.**



ART. S310

ART.	CODE	
S310	93S3100106	1

PT1000 temperature sensor with 1,5 mt. silicon cable. Working temperature range -50°C + 200°C.



ART. S306

ART.	CODE	
S306	93S3060301	1

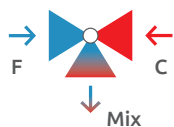
Microprocessor control unit for solar systems with backlit display, 3 inputs for temperature sensors, 1 modulating TRIAC output for pump control. The price includes 1 solar panel sensor and 1 boiler sensor with 2 mt. silicon cable.



ART. S311

ART.	MAX. TEMPERATURE	CODE	COLOUR	
S311	110°	93S3110106	YELLOW	1
S311	200°	93S3110206	DARK GREY	1

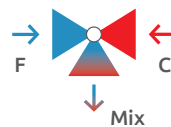
NTC temperature sensor.



ART. S100

ART.	SIZE	Kv m ³ /h	CODE		
S100	1/2"	1,5	93S100AD05	1	10
S100	3/4"	2	93S100AE05	1	10
S100	1"	3	93S100AF05	1	10

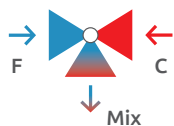
Thermostatic mixer for solar systems. Male threaded tails, max. working pressure 10 bars, max. working temperature 100°C. Temperature setting on mixed way 30-60°C. Side hot/cold water inlets, **lower mixed way**.



ART. S103

ART.	SIZE	Kv m ³ /h	CODE		
S103	3/4"	1,5	93S103AD05	1	10
S103	1"	2	93S103AE05	1	10
S103	1"1/4"	3	93S103AF05	1	10

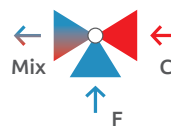
Thermostatic mixer with male thread. Max. working pressure 10 bars, max. working temperature 100°C. Temperature setting on mixed way 30-60°C. Side hot/cold inlets, **lower mixed way**.



ART. S101

ART.	SIZE	Kv m ³ /h	CODE		
S101	1/2"	1,5	93S101AD05	1	10
S101	3/4"	2	93S101AE05	1	10
S101	1"	3	93S101AF05	1	10

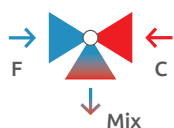
Thermostatic mixer for solar systems. Female thread, max. working pressure 10 bars, max. working temperature 100°C. Temperature setting on mixed way 30-60°C. Side hot/cold water inlets, **lower mixed way**.



ART. S107

ART.	SIZE	Kv m ³ /h	CODE		
S107	1/2"	1,5	93S107AD05	1	10
S107	3/4"	2	93S107AE05	1	10

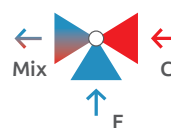
Thermostatic mixer for solar systems. Male threaded tails, max. working pressure 10 bars, max. working temperature 100°C. Temperature setting on mixed way 30-60°C. **Side mixed way**, hot water side inlet, cold water lower inlet.



ART. S102

ART.	SIZE	Kv m ³ /h	CODE		
S102	3/4"	2	93S102AE05	1	10

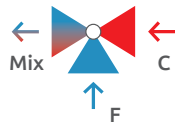
Thermostatic mixer for solar systems. Male threaded tails, **with check valve for high temperatures**, max. working pressure 10 bars, max. working temperature 100°C. Temperature setting on mixed way 30-60°C. Side hot/cold water inlets, **lower mixed way**.



ART. S108

ART.	SIZE	Kv m ³ /h	CODE		
S108	1/2"	1,5	93S108AD05	1	10
S108	3/4"	2	93S108AE05	1	10

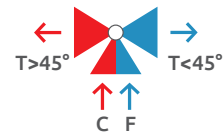
Thermostatic mixer for solar systems. Female thread, max. working pressure 10 bars, max. working temperature 100°C. Temperature setting on mixed way 30-60°C. **Side mixed way**, hot water side inlet, cold water lower inlet.



ART. S109

ART.	SIZE	Kv m ³ /h	CODE	Icons	
				Box 1	Box 2
S109	3/4"	2	93S109AE05	1	10

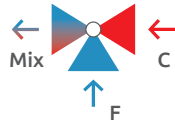
Thermostatic mixer for solar systems. Male threaded tails, **with check valve for high temperatures**, max. working pressure 10 bars, max. working temperature 100°C. Temperature setting on mixed way 30-60°C. **Side mixed way**, hot water side inlet, cold water lower inlet.



ART. S105

ART.	SIZE	Kvs		CODE	Icons	
		T out > 45°	T out < 45°		Box 1	Box 2
S105	1/2"	1,3	1,2	93S105AD05045	1	10
S105	3/4"	1,6	1,4	93S105AE05045	1	10

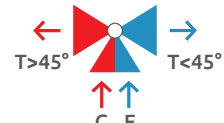
Diverting thermostatic valve. Male threaded tails, max. working pressure 10 bars, max. working temperature 100°C. 45°C temperature deviation. Inlet from lower way, deviation on side way.



ART. S112

ART.	SIZE	Kv m ³ /h	CODE	Icons	
				Box 1	Box 2
S112	3/4"	1,5	93S112AD05	1	10
S112	1"	2	93S112AE05	1	10

Thermostatic mixer with male connections. Max. working pressure 10 bars, Max. working Temperature 100°C. Temperature setting on mixed way 30-60°C. **Side mixed way**, hot water side inlet, cold water lower inlet.



ART. S106

ART.	SIZE	Kvs		CODE	Icons	
		T out > 45°	T out < 45°		Box 1	Box 2
S106	1/2"	1,3	1,2	93S106AD0545	1	10
S106	3/4"	1,6	1,4	93S106AE0545	1	10

Diverting thermostatic valve. Female threaded connections, max. working pressure 10 bars, max. working temperature 100°C. 45°C temperature deviation. Inlet from lower way, deviation on side way.



ART. S170

ART.	SIZE	Kvs	CODE	Icons	
S170	3/4"	1,2	93S170AE0645	1	10

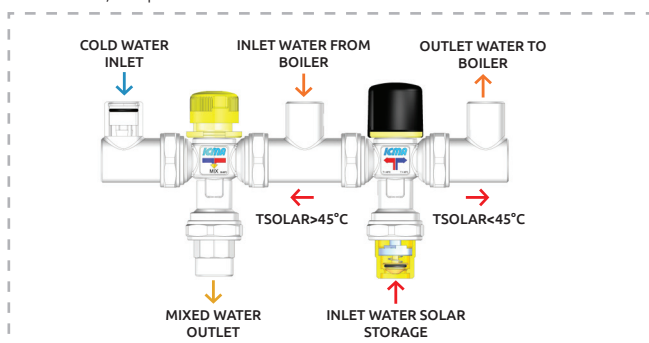
Integration kit between the solar panel and the boiler for the production of hot sanitary water. The kit includes one 45°C diverting valve and one mixing valve; temperature setting 30-60°C. Check valve are included in the fittings. On demand, the protection shell art. S172 is available.



ART. S172

ART.	CODE	Icons
S172	93S172AE66	1

Protection shell for art. S170.





ART. S120

ART.	SIZE	CODE		
S120	1/2"	93S120ADAN	1	50
S120	3/4"	93S120AEAN	1	50

Fixed setting (6 bars) safety valve for solar systems, female connections, max. working temperature 160°. The product complies the Ped. 2014/68/UE norm - categoria IV D.M.1.12.75, D.Lgs.25.02.2000. CE n. 0425 approval.



ART. S110

ART.	SIZE	CODE		
S110	1/2"	93S110AD05	10	100

Air vent valve for solar systems. Max. working pressure 10 bars, max. temperature 130°C.



ART. 740

ART.	SIZE	CODE		
740	3/4"	82740AE05	1	10
740	1"	82740AF05	1	10
740	1"1/4	82740AG05	1	10
740	1"1/2	82740AH05	1	5

High capacity deaerator, for solar systems. Max. working pressure 10 bars. Max. temperature 160°C.



ART. S128

ART.	SIZE	CODE		
S128	3/8"	93S128AC05	10	100
S128	1/2"	93S128AD05	10	100

Air vent valve for solar systems. Maximum operating pressure 10 bar, maximum temperature 180°C.



ART. S111

ART.	SIZE	CODE		
S111	1/2"	93S111AD05	1	10
S111	3/4"	93S111AE05	1	10

High efficiency automatic air vent valve for solar systems, with oil-free mechanism. The oil-free operation prevents the impurities of the fluid from depositing on the venting device. Max. working pressure 10 bars, max. temperature 160°C.



ART. S129

ART.	SIZE	BAR	CODE		
S129	1/2M X 1/2F	3	93S129ADAF	1	20
S129	1/2M X 1/2F	6	93S129ADAN	1	20
S129	1/2M X 1/2F	8	93S129ADAQ	1	20
S129	3/4M X 3/4F	3	93S129AEAF	1	20
S129	3/4M X 3/4F	6	93S129AEAN	1	20
S129	3/4M X 3/4F	8	93S129AEAQ	1	20

The TP safety valve controls and limits the temperature and pressure of hot water contained in a solar sanitary storage tank. It prevents the case of temperatures above 100°C. When the pre-set values are reached, the valve opens and discharges a quantity of water so as to reduce the pressure and temperature of the storage tank. The discharged water is immediately refilled with water from the hydraulic network.



ART. S121

ART.	SIZE	CODE		
S121	1/2"-3/4"	93S121AEAN	1	50

Fixed setting (6 bars) safety valve for solar systems, with increased discharge, female connections, max. working temperature 160°. The product complies the Ped. 2014/68/UE norm - categoria IV D.M.1.12.75, D.Lgs.25.02.2000. CE n. 0425 approval.



ART. S141

ART.	SIZE	PIPE LENGTH MM	CODE		
S141	3/4"	500	93S141AE05	1	
S141	3/4"	1000	93S141AE10	1	

Fixing kit for expansion vessel consisting of a bracket, a connection pipe to the solar station, double check valve. It enables replacing the expansion vessel without emptying the system. Available with 1000 mm connection pipe, for shock-proof curl-siphon installation.



ART. S131

ART.	SIZE	PIPE LENGTH MM	CODE		
S131	12 lt	500	93S131AE12500	1	
S131	18 lt	500	93S131AE18500	1	
S131	24 lt	500	93S131AE24500	1	
S131	35 lt	500	93S131AE35500	1	
S131	50 lt	500	93S131AE50500	1	
S131	12 lt	1000	93S131AE121000	1	
S131	18 lt	1000	93S131AE181000	1	
S131	24 lt	1000	93S131AE241000	1	
S131	35 lt	1000	93S131AE351000	1	
S131	50 lt	1000	93S131AE501000	1	

Expansion kit for solar systems, consisting of an expansion vessel art. S130 and the fixing kit art. S141. The 1000 mm pipe enables installation with shock-proof siphon.



ART. S142

ART.	SIZE	CODE		
S142	3/4"	93S142AE05	1	50

Double check valve. It enables replacing the expansion vessel without emptying the system.



ART. S130

ART.	SIZE	CODE		
S130	12 lt	93S130AE12	1	
S130	18 lt	93S130AE18	1	
S130	24 lt	93S130AE24	1	
S130	35 lt	93S130AE35	1	
S130	50 lt	93S130AE50	1	

Expansion vessel for solar systems. Max. temperature 140°C.



I

SPARE PARTS



- 11** HANDWHEELS/CAPS/
LEVERS/BUTTERFLY
HANDLES
page 216



- 15** COMPONENTS FOR PRESS
FITTINGS
page 226



- 12** COMPONENTS FOR
CONNECTIONS/
UNIONS/NUTS/O-RINGS/
CARTRIDGE
page 219



- 16** COMPONENTS FOR
BIOMASS SYSTEMS/SOLAR
THERMAL COMPONENTS
page 226



- 13** PROBES/PROBE HOLDERS
FOR SINGLE PIPE VALVES
page 222



- 17** CIRCULATORS
page 228



- 14** COMPONENTS FOR
MANIFOLDS
page 222



CODE	COLOUR
RST01950AC22	WHITE
RST01950AC07	CHROMED

Handwheel for thermostatic valves
White for articles: 1142-840-842-852-841-843-844-845-1122-1123-1124-1125-1146-930-931
Chromed for articles: 1110-1111-1112-1113-1140-908-909



CODE	COLOUR
R01941AC22	WHITE

Handwheel for manual TULIP-shaped valves (3 components) **for articles:** 846-847-848-849-850-851



CODE	COLOUR
R82984AC20	WHITE

Handwheel for thermostatic valves **for articles:** 970-972-966-971-973-967-868-869-974-975-870-866-891-892.



CODE	COLOUR
R01921AC22	WHITE

Handwheel **for articles:** 921, 941, 924, 944, 951 e 954. With white handwheel cover.



CODE	SIZE	COLOUR
R05774AC34	M28	WHITE
R05778AD34	M30	WHITE

Protection cap for thermostatic valve.
 M28 **for articles:** 770-772-771-773-774-775-906-907
 M30 **for articles:** 764-765-776-777-778-779-795-766-767-878-370-371-376-377-378-379-300-301-302



CODE	COLOUR
R01803AC38	WHITE

Handwheel **for articles:** 803-813-804-814-832-834



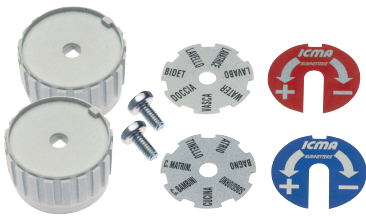
CODE	SIZE	COLOUR
R01170AE38	1"	WHITE
R01181AE38F	1"1/4	GRIGIO

Protection cap for manifolds with thermostatic option valves.



CODE	COLOUR
R01826AD38	WHITE

Handwheel **for articles:** 802-812-826-828-836-838-161



CODE	OUTLET	LANGUAGE
RSA2272IT	2	ITALIAN
RSA2272UN	2	HUNGARIAN
RSA2272RU	2	RUSSIAN
RSA2272GR	2	GREEK
RSA2272SP	2	SPANISH
RSA2272EN	2	ENGLISH
RSA2272FR	2	FRENCH
RSA2273IT	3	ITALIAN
RSA2273UN	3	HUNGARIAN
RSA2273RU	3	RUSSIAN
RSA2273GR	3	GREEK
RSA2273SP	3	SPANISH
RSA2273EN	3	ENGLISH
RSA2273FR	3	FRENCH

Kit including:
 Handwheel for articles:
227 228 229
 Composed of:
 - Hot/cold plate. One side red, the other side blu
 - Double face plate with description for sanitary and heating system
 - Screws



CODE	FOR ARTICLES
R37413AE20	515
R37409GH20	409

Butterfly handle for built-in taps.



CODE	FOR ARTICLES
RG04013AE07	413 - 515
RG0409GH07	409

Cap and rosette for built-in cock.



SIZE	CODE	COLOUR
3/8"	R01347AC11	RED
	R01347AC12	BLUE
1/2" 3/4"	R01347AD11	RED
	R01347AD12	BLUE
1"	R01347AF11	RED
	R01347AF12	BLUE
1"1/4"	R01347AG11	RED
	R01347AG12	BLUE

Ball valves butterfly handle **for articles:** 347-348-349-351-215-216-225-226-361-362.



SIZE	CODE	COLOUR
3/8"	R37350AC11	RED
	R37350AC12	BLUE
1/2" 3/4"	R37350AD11	RED
	R37350AD12	BLUE
1"	R37350AG11	RED
	R37350AG12	BLUE

Ball valves lever **for articles:** 350-352.



CODE	FOR ARTICLES
RA9598AD31	89598AD12 - 89599ADXX
RA9598AE31	89598AE12- 89599AEXX
RA9598AF31	89598AF12 - 89599AFXX

Loop + hose for garden tap 598, 599.



CODE	COLOUR
R37598AD12	BLUE

Aluminium lever + M4 screw for garden tap art. 598.



CODE	COLOUR
R37353AG12	BLUE
R37353AG18	RED
R37353AG34	BLACK

Steel lever + nut for ball valves codes: 87353AG34, 87353AH34, 87353AJ34, 87354AG34, 87354AH34, 87354AJ34.



CODE	COLOUR
R37599AD12	BLUE
R37599AD18	RED
R37599AD34	BLACK

Steel lever + nut for garden tap art. 599.



CODE	COLOUR
R05942AC38	WHITE

Plastic cap **for articles:** 922-942-925-945-952-955-1144-1145



CODE	COLOUR
R05805AC38	WHITE

Plastic cap **for articles:** 837-839-854-833-835-855-827-830-829-831-805-815-162



CODE	COLOUR
R05805AC06	NICHEL

Cap **for articles:** 875-877-897-896-883-902-903-904-905



CODE
RG0609AF06

Cartridge for antifreeze valve art. 609



CODE
RA4609AF33

Vacuum breaker valve for antifreeze valve art. 609



CODE	COLOUR
R01894AD22	WHITE
R01894AD07	CHROMED

Handwheel for single-double pipe manual valves
White model for articles: 894-895-923-943
Chromed model for articles: 838-868



CODE	COLOUR
R01886AC22	WHITE

Handwheel for single-double pipe manual valves **for articles:** 886-887-888



CODE	COLOUR
R05922AC38	WHITE

Plastic cap for manifolds with manual lock-shields regulation **for articles:** 1005-1006-1011-1012



CODE	SIZE
R82940AC06	3/8"
R82940AD06	1/2"
R82940AE06	3/4"

Art. 940: Anti-leakage connection with spherical seat.



CODE	SIZE
R45808AC06	3/8"
R45808AD0601	1/2"
R45808AE0601	3/4"
R45808AF06	1"
R45808AG06	1"1/4
R45808AH06	1"1/2
R45808AJ06	2"

Anti-leakage connection with spherical seat.



CODE	SIZE
RS5891AD41	1/2" 3/4"

Gasket for flat seat connection, codes: C45891AD06-C45891AE06



CODE	SIZE	FINISH
R45250AD01	1/2"	BRASS
R45751AE01	3/4"	BRASS
R45751AF01	1"	BRASS
R45751AF06	1"	NICKEL PLATED
R45751AG01	1"1/4	BRASS

Flat seat connection.

Brass finish for articles: 300-301-302-320-321-322-331-332-333-334-336-341-342-343-344-346.

Nickel plated finish for articles: 320-331-332-333-334-336-341-342-343-344-346.



CODE	SIZE	REFERENCE
RP10000143	3/8"	Ø12,42x2,62
RP10000243	1/2"	Ø15,6x1,78
RP10000343	3/4"	Ø21,95x1,78
RP10000443	1"	Ø30x2
RP10011343	1"1/4	Ø36,17x2,62
RP10014643	1"1/2	Ø44,45x3,53
RP10014543	2"	Ø58,74x3,53

O-ring for connection with spherical seat.



CODE	SIZE
R45891AD06	1/2"
R45891AE06	3/4"

Flat seat connection.



CODE	SIZE
RS5886AD41	1/2"-3/4"-1"

Gasket for flat seat connection, codes: C45886AD06-C45886AE06-C45886AF06.



CODE	SIZE
RS0250AD43	1/2"
RS5891AD41	3/4"
RS5886AD41	1"
RS5245AE43	1"1/4

Gasket for flat seat connection, codes: 45250AD01-45751AE01-45751AF01-45245AE01.



CODE	SIZE
R45886AD06	1/2"
R45886AE06	3/4"
R45886AF06	1"

Flat seat connection for single-pipe valves.



CODE	SIZE
RS2880AD46	Ø15

Teflon ring.



CODE	SIZE	
R46940AD06	3/8" 1/2"	
R46808AE0601	3/4"	

Nut for anti-leakage union for article 940.



CODE	SIZE	
R87265AF05	1"	
R87265AF06	1"	

Connector with O-ring.



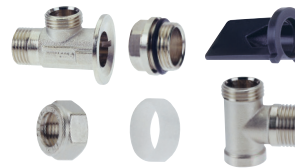
CODE	SIZE	
R46808AC06	3/8"	
R46808AD06	1/2"	
R46808AE0601	3/4"	
R46808AF06	1"	
R46808AG06	1"1/4	
R46808AH06	1"1/2	
R46808AJ06	2"	

Nut for union, spherical seat.



CODE	SIZE	
RA1S170AE06	3/4"	

Connector with VNR.



CODE	
R81880AD06	

Spare kit for article: 888



CODE	SIZE	
R46896AE06	3/4"	

Nut for H valves.



CODE	SIZE	
R52320GE06	1/2"	

Nut Ø15 for articles: 887-888.



CODE	
R81881AD06	

Spare kit for article: 887



CODE	SIZE	FOR ARTICLES	
RA1886AD20	3/4"	886	
RA1894AD20	3/4	894	
RA1886AF20	1"	886	
RA1856AD20	1/2"-3/4"	891-892	

Probe + probe holder.



CODE	
R40886AD31	

Shutter guide for art. 886.



CODE	
R21891AD32	

Connector for art. 891.

COMPONENTS FOR COLLECTORS



CODE	
R12970AC0101	

Stuffing box for valves/thermostatic manifolds.



CODE	
RCA023AZ01	

Adaptor ring for CALEFFI® thermostatic valves.



CODE	
R22023AY20	

Matching ring for M28 thermostatic heads.



CODE	
RFA023AZ01	

Adaptor ring for FAR® thermostatic valves.



CODE	SIZE	FOR ARTICLES
R22009AY06	M28	982 - 983
R22010AZ06	M30	979 - 980

Blocking ring for electrothermic actuators.



CODE	MEASUREMENT RANGE	SIZE
RG1168AE06	0-4 L/MIN	1"
RG1180AE06	0-8 L/MIN	1"1/4

Flow meter insert for floor-heating manifolds.



CODE	CONNECTION	SIZE
R87175OO06	M24X1,5	1"
R87175AE06	3/4 Euroconus	1"

Thermostatic insert with valve for manifolds (old type).



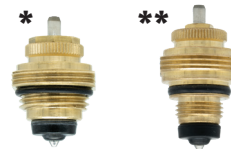
CODE	MEASUREMENT RANGE	SIZE
RG1TP01AE06	0-5 L/MIN	1"

Flow meter insert for Techno-polymer manifold art. TP01.



CODE	CONNECTION	SIZE
R87176OO06	M24X1,5	1"
R87176AE06	3/4 Euroconus	1"

Lockshield with micrometric adjustment (old type).



CODE	SIZE	CONNECTION	FOR BRASS MANIFOLDS	FOR INOX MANIFOLDS
*RG0120AE01	1"	M28x1.5	✓	✓
**RG21001PG01	1"	M28x1.5	✓	
RG0295AD01	1"	M30x1.5		✓
*RG2181PG01	1"1/4	M28x1.5	✓	✓

Manual insert for lockshields regulation on manifolds.



CODE	SIZE
RG0121AE01	1"
RG2182PG01	1"1/4

Inserto manuale per regolazione detentori su collettori.



CODE	MEASUREMENT RANGE	SIZE
RG1169AE06	0-4 L/MIN	1"

Flow meter insert MEMORY-PLUS for floor heating manifolds.



CODE	CONNECTION	SIZE
RA3168OO06	M24X1,5	1"
RA3168AE06	3/4 Euroconus	1"
RA3180AE06	3/4 Euroconus	1"1/4

Cup for manifold inserts.



CODE	MEASUREMENT RANGE	SIZE
R06179AD05	0-5 L/MIN	1/2"

Flow meter Taconova for floor heating manifolds.



CODE	SIZE
RA2179AE06	3/4"

Cup for flussimetro Flow meter Taconova C06179AD05.



CODE
R87304OO06

Flowmeter **for article:** K063.



CODE
RG0227PA01

Manual insert for simple manifolds.



CODE	SIZE	FOR ARTICLES
R06194OO20	30X25	Cabinet 194
R06194OH20	40X25	Cabinet 194
R06194OI20	48X25	Cabinet 194
R06194OL20	60X30	Cabinet 194

Plastic cover for box article: 194



CODE	SIZE
R06192OO09	330
R06192OH09	430
R06192OI09	530
R06192OL09	630

Cover for box article: 192



CODE	SIZE
R87187OE09	500
R87187OC09	600
R87187OF09	700
R87187OK09	850
R87187OG09	1000
R87187OH09	1200

White metal cover for box article: 196-197



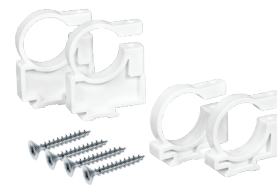
CODE
R07192OO09

Pair of screws for cabinet cover art. 192.



CODE
R11196OE06

Line for manifolds with box.



CODE
R05192OO09

Kit brackets + screws for cabinet art. 192 including:
4 brackets + screws for manifolds sized ¾"
4 brackets + screws for manifold sized 1



CODE	SIZE	PRODUCT RANGE	
R22400GH25O	16X2	SEMPITER	
R22400GJ25O	18X2	SEMPITER	
R22400BQ25O	20X2	SEMPITER	
R22400GP25O	25X2,5 26X3	SEMPITER	
R22400GQ25O	32X3	SEMPITER	
R22400GS25O	40X3,5	SEMPITER	
R22400GT25O	50X4	SEMPITER	

Ring for Sempiter fittings.



CODE	SIZE		
R10400GH01	16X2		
R10400GJ01	18X2		
R10400BQ01	20X2		
R10400GO01	25X2,5		
R10400GP01	26X3		
R10400GQ01	32X3		
R10400GS01	40X3,5		
R10400GT01	50X4		

Bushing for Sempiter and Sempigas fittings.



CODE	SIZE	PRODUCT RANGE	
R22400GH25G	16X2	SEMPIGAS	
R22400BQ25G	20X2	SEMPIGAS	
R22400GP25G	25X2,5 26X3	SEMPIGAS	
R22400GQ25G	32X3	SEMPIGAS	

Ring for Sempigas fittings.



CODE	SIZE	PRODUCT RANGE	
RP10010743	16x2 (8,5x1,5)	SEMPITER	
RP10013743	18x2 (11x1,5)	SEMPITER	
RP10010843	20x2 (13x1,5)	SEMPITER	
RP10010943	25x2,5 26x3 (15x2)	SEMPITER	
RP10011043	32x3 (21x2)	SEMPITER	
RP10011243	40x3,5 (26,65x2,62)	SEMPITER	
RP10011343	50x4 (36,14x2,62)	SEMPITER	

O-ring for Sempiter fittings.



CODE	SIZE	PRODUCT RANGE	
RP10010750	16x2 (8,5x1,5)	SEMPIGAS	
RP10010850	20x2 (13x1,5)	SEMPIGAS	
RP10010950	25x2,5 26x3 (15x2)	SEMPIGAS	

O-ring for Sempigas fittings.



CODE	SIZE
R06132AF1045	45°
R06132AF1055	55°
R06132AF1060	60°
R06132AF1070	70°

Thermostatic element for anti-condensation valves.



CODE	SIZE
R07605AE05	1/2"

Cockpit for thermal drain valve art. 605.



CODE	SIZE
R07608AE05	1/2"

Cockpit for thermal drain valve art. 608.



CODE
R18147AE06

Chain for draught regulator.



CODE	FLOW RATE	SIZE
R93741AE05	0-12 l/min	3/4"

Flowmeter for solar systems. Capacity 0-12 l/min, seal with cap and gasket, flat seat on one side and G3/4"F on the other side.



CODE	DESCRIPTION	SIZE
R93743AE35	DELIVERY	3/4"
R93733AE36	RETURN	3/4"

Ball valve for solar systems, for primary circuit of delivery/return piping with built-in thermometer and brass check valve. Seal with cap and gasket, flat seat at one side and G3/4"F on the other side.



CODE	SIZE
R93725AE05	3/4"

Deaerator for solar stations. O-ring with revolving ring at one side, and G3/4" F on the other side.



CODE	SIZE
R93742AE05	3/4"

Kit provided with pressure gauge 0-10 bars, loading/unloading cock, connection G1/2 for safety valve, connection G3/4" for expansion vessel. Seal with gasket, flat seat on one side and G3/4"F on the other side.



CODE	SIZE
RASS100AD06	1/2"

Thermostatic mixing valve for solar kit art. S170.



CODE	SIZE
RASS105AD06	1/2"

Diverting thermostatic valve for solar kit art. S170.



ART. P320 - ART. P321

CODE	SIZE	MODEL	
88P3200153	1"1/2	25-40/130	
88P3210153	1"1/2	25-65/130	

Asynchronous circulator for closed loop heating systems, interaxe distance 130 mm. NOT FOR SALE IN THE EU



ART. P328

CODE	SIZE	MODEL	
88P3280153	1"1/2	25/70	

Circulatore elettronico Grundfos UPM3 HYBRID 25-70 interasse 130 mm. Pressione variabile, pressione costante, curve costanti, AUTO ADAPT, segnale PWM. CAVO DI POTENZA INCLUSO. Il circolatore può essere comandato tramite segnale PWM. Cavo di segnale PWM **NON INCLUSO**.



ART. P327

CODE	SIZE	MODEL	
88P3270153	1"1/2	25/8	

Electronic circulator WILO PARA RS 25/8, interaxe distance 130 mm. Variable pressure, constant pressure, constant curves. Power supply cable included.



ART. P330

CODE	SIZE	MODEL	
88P3300153	1"1/2	25/7	

Electronic circulator WILO PARA RS 25/7, interaxis distance 130 mm. Variable pressure, constant pressure, constant curves. Power supply cable included.



ART. P329

CODE	SIZE	MODEL	
88P3290153	1"1/2	25-70/130	

Electronic circulator Taco ES2. Adjustment of the desired operating curve by rotation of the selector:

- nr. 2 proportional-pressure curves (P1,P2)
- nr. 2 constant-pressure curves (C1, CII)
- min-max mode – Fixed speed

Interaxis distance 130 mm. Not equipped with PWM signal.



ART. S160

CODE	SIZE	MODEL	
88S1600199	1"	20/60	

Asynchronous circulation pump for solar systems, interaxe distance 130 mm. NOT FOR SALE IN THE EU.



ART. S160G

CODE	SIZE	MODEL	
88S1600199G	1"	15/65	

Asynchronous circulation pump for solar systems, interaxe distance 130 mm. NOT FOR SALE IN THE EU.



ART. S163

CODE	SIZE	MODEL	
88S1630199	1"	15/75	

Grundfos UPM3 15-75 electronic pump for solar systems. Constant curves. POWER SUPPLY CABLE INCLUDED. PWM signal cable NOT INCLUDED.



ART. S165

CODE	SIZE	MODEL
88S1650199	1"	15-6

WILO Yonos Para ST 15/6 RKC electronic pump for solar systems. Power supply cable included. Variable ΔP , constant speed.



ART. S166

CODE	SIZE	MODEL
88S1660153	1"	15/70

Electronic circulator for solar systems, Taco ES2 solar 15-70/130. Adjustment of the desired operating curve by rotation of the selector:

- Nr. 1 proportional pressure curve (P)
 - Min-max mode - Fixed speed.
- Interaxis distance 130 mm. Not equipped with PWM signal.



ART. S167

CODE	SIZE	MODEL
88S1670153	1"	GPA 20-7.5 III

Shinwoo GPA 20-7.5 III electronic pump for solar systems. Self Adapting mode Power supply cable included. It can be controlled via PWM signal. PWM signal cable **NOT INCLUDED**.



ART. S168

CODE	SIZE	MODEL
88S1680153	1"	15-130/8-75/12

Electronic pump for solar systems, Wilo Para STG 15-130/8-75/12. Self-protecting mode. Power supply cable included. It can be controlled via PWM signal. PWM signal cable **NOT INCLUDED**.



CODE
C65P3280153

Linear connector for UPM3 pump power supply. 1 mt length. **For pumps art. P328 and S163.**



CODE
C64P3280153

PWM signal connector for UPM3 pump. 1 mt length. **For pumps art. P328 and S163.**



CODE
C65S1670153

Linear connector for GPA 20-7.5 III pump power supply. 0,6 mt length. **For pump art. S167.**



CODE
C64S1670153

PWM signal connector for GPA 20-7.5 III pump. 0,4 mt length. **For pump art. S167.**



CODE
C65S1680153

Linear connector for **Wilo Para STG S168 pump power supply**. 1 m. length.



CODE
C64S1680153

PWM signal connector **for Wilo Para STG S168 pump**. 1 m. length.

GENERAL SALES CONDITIONS

ORDERS

All orders are subject to our confirmation and do not bind ICMA to the delivery, even partial, of the ordered material. In case of payment difficulties, ICMA has the right to suspend the deliveries to the buyer.

PRICES

Unless otherwise specified, valid prices are those in force at the time of the order. Prices are meant for goods delivered EX-WORKS Cuggiono.

DELIVERY NOTE

Any visible damage to the packaging must be reported on the same day the goods are received. Please specify the exact reasons for the claim on the delivery note and obtain a countersigned copy from the carrier.

SHIPPING

Please note that the responsibility for vehicle loading, cargo securing, and stabilization rests with the carrier. Our warehouse staff, who will bring the goods on board, will follow the driver's instructions, who will then proceed with cargo stabilization, and will provide all necessary information for safe stowage. Failure to properly stabilize the load makes the carrier fully liable for the value of the goods and for any damage to third parties.

In the event of transport damage, the return of damaged goods is authorized only if a claim has been explicitly noted on the delivery note.

WARRANTY

Products are guaranteed for 12 months from the date of sale. The warranty covers the replacement of defective parts, which must be returned to our facility. Any tampering with the product voids our responsibility, as does the installation of non-ICMA pipe fittings on ICMA products.

CLAIMS

Claims will not be accepted after 8 days from receipt of the goods for incomplete or incorrect deliveries, or for damage not visible at the time of delivery.

RETURNS

Returned goods are not accepted without our previous authorization. Goods have to be returned free destination to our factory in Cuggiono. The value of the returned goods is declassified depending on the time elapsed from the delivery date:

within 6 months: 15%

within 12 months: 20%

within 24 months: 50%

We do not accept returned goods of underfloor heating systems.

After 6 months from sale, no replacement for articles 260 and 602 is accepted.

PAYMENT

The terms are those established in the commercial offer. In case of delay of payments Euribor interest rate plus additional 3% will be charged. Should the goods be delivered before payment of all owing amounts, these goods remain the property of ICMA until payment has been settled in full.

CHANGES

ICMA retains the right to introduce any necessary technical modification without prior notice.

DISPUTES

For any disputes, the competent court is the Court of Milan, Rho branch.



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