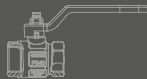
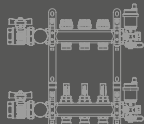


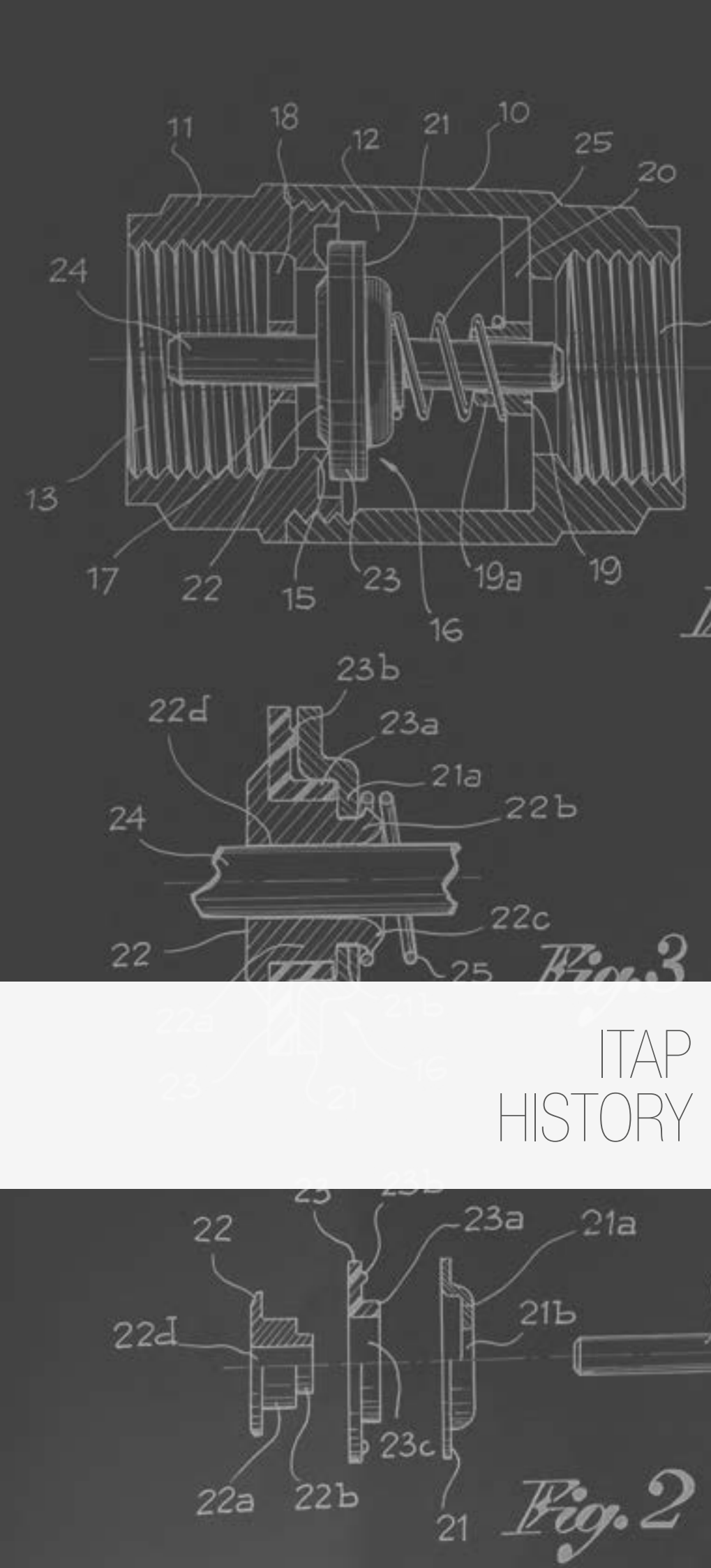


GENERAL CATALOGUE

2025



1		Check and foot valves <i>p. 8-19</i>	
2		Ball Valves, gate valves, bibcocks and gas safety devices <i>p. 20-73</i>	<i>Ball valves and gate valves</i> 22-57 <i>Bibcocks</i> 58-64 <i>Ball valves for gas</i> 66-73
3		Chrome-plated bibcocks <i>p. 76-81</i>	
4		Polyphosphate proportional doser, magnetic dirt separators, automatic filling unit, pressure reducing valves, strainers <i>p. 82-98</i>	<i>Polyphosphate proportional doser</i> 84-85 <i>Magnetic dirt separator</i> 86-89 <i>Automatic filling unit</i> 90-91 <i>Pressure reducing valves</i> 92-94 <i>Y strainers</i> 95-97 <i>Self-cleaning strainer</i> 98
5		Heating <i>p. 100-177</i>	<i>Valves and lockshields for radiators</i> 102-112 <i>Zone valves and electric actuators</i> 113-115 <i>Modular and dual distribution manifolds</i> 116-117 <i>Simple and pre-assembled stainless steel manifolds and boxes</i> 118-133 <i>Simple and pre-assembled brass manifolds and boxes</i> 134-145 <i>Set point regulating unit</i> 146-148 <i>Accessories and kit for manifolds</i> 149-159 <i>Air vent valves and safety valves</i> 160-162 <i>Diaphragm safety relief valves</i> 163-164 <i>Distribution units and manifolds</i> 166-167 <i>Thermostats and chronothermostats</i> 168-169 <i>Schemes</i> 170-177
6		Fittings <i>p. 178-202</i>	<i>Fittings for multilayer, PEX and polybutylene pipes</i> 180-185 <i>Fittings for copper, PEX and polybutylene pipes</i> 186-191 <i>Fittings for polyethylene pipes</i> 192-199 <i>Mechanical fittings and accessories</i> 200-202
7		Accessories for solar heating systems <i>p. 204-207</i>	



ITAP HISTORY

Established in Lumezzane (Brescia) in 1972 by the Patti brothers, Itap is currently one of the leading companies in the production of valves, fittings and distribution manifolds for sanitary and heating systems.

Commitment, growth and vocation have led Itap to be today a solid and internationally recognised reality. A reference point for the plumbing and heating market, always at the service of its customers with products, support, quality and high-level service.

Over 50 years of history, life and passion.

1972

Start of activity in Lumezzane, Brescia, Italy

1987

Europa® patented in all EU countries

1995

Certification under ISO 9001 standard

2000

12.000 m² warehouse in Rodengo Saiano

2004

Introducing the new range of heating products

2009

New 8.000 m² factory in Rodengo Saiano

2013

Introducing the new stainless steel manifold for radiant heating

2015

Automatic assembly line for preassembled manifolds

2016

Second production line for stainless steel bars

2018

Certification under UNI EN ISO 9001:2015

2020

*Third production line for stainless steel bars.
Second automatic assembly line for pre-assembled manifolds*

2022

50th anniversary



PACKING IN BOXES AND CARTONS
HAVE BEEN CHANGED.

PAYMENTS

TO AVOID USELESS EXPENSES, WE
KINDLY ASK YOU TO SEND YOUR
SWIFT TRANSFERS OR L/CS
EXCLUSIVELY ON THE FOLLOWING
ITALIAN BANKS:

UNICREDIT S.p.a.
25125 BRESCIA - ITALY
BIC Swift UNCRITMMORR
Favour ITAP S.p.A. - Lumezzane ITALY
Account 4422673
IBAN IT78 D 02008 05364 000004422673

BNL GRUPPO BNP PARIBAS
25065 LUMEZZANE - BS - ITALY
Swift BNLIITRRXXX
Favour ITAP S.p.A. - Lumezzane
Account 5857
IBAN IT92 W010 0554 6800 0000 0005 857

DELIVERY

WAREHOUSE FOR GOODS LOADINGS:

ITAP S.P.A. WAREHOUSE
VIA INDUSTRIALE 39
ZONA INDUSTRIALE MOIE
25050 RODENGO SAIANO
BRESCIA - ITALY

RETURN OF GOODS

**NO GOODS WILL BE ACCEPTED
WITHOUT PREVIOUS
AUTHORIZATION OF OUR SALES
DEPARTMENT**

SALES CONDITIONS

PRICES

CURRENCY

GOODS
RENDERED

MINIMUM
ORDERS'
VALUE
ORDERS BELOW
THE ABOVE
VALUE WILL BE
DELIVERED
EX OUR WORKS

PAYMENT

DELIVERY

PACKING

VALIDITY

ORDERS
BELOW
THIS VALUE
ARE ANYWAY
NOT ACCEPTED

Any damage caused by a supposed faulty product of ours must be reported to us, by providing the name of the damaged party and the approximate amount of the damage. Then, pictures related to the damage must be sent to us, together with the supposed faulty product, for technical examination. Anything which may provide the evidence of the extent of the damage must be available to us until the file will be closed. The above is necessary for opening the file with our insurance.



CHECK AND FOOT VALVES

Europa® check and foot valves	10-11
York® check and foot valves	12-13
Block® check and foot valves	14-15
Roma® check and foot valves	16-17
Strainers for Europa®, York®, Block® e Roma® check and foot valves	17
Swing check valve	18-19
Foot valve	18-19

MATERIALS

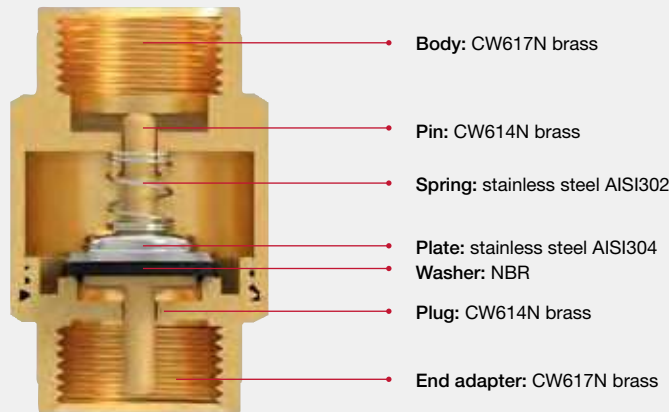
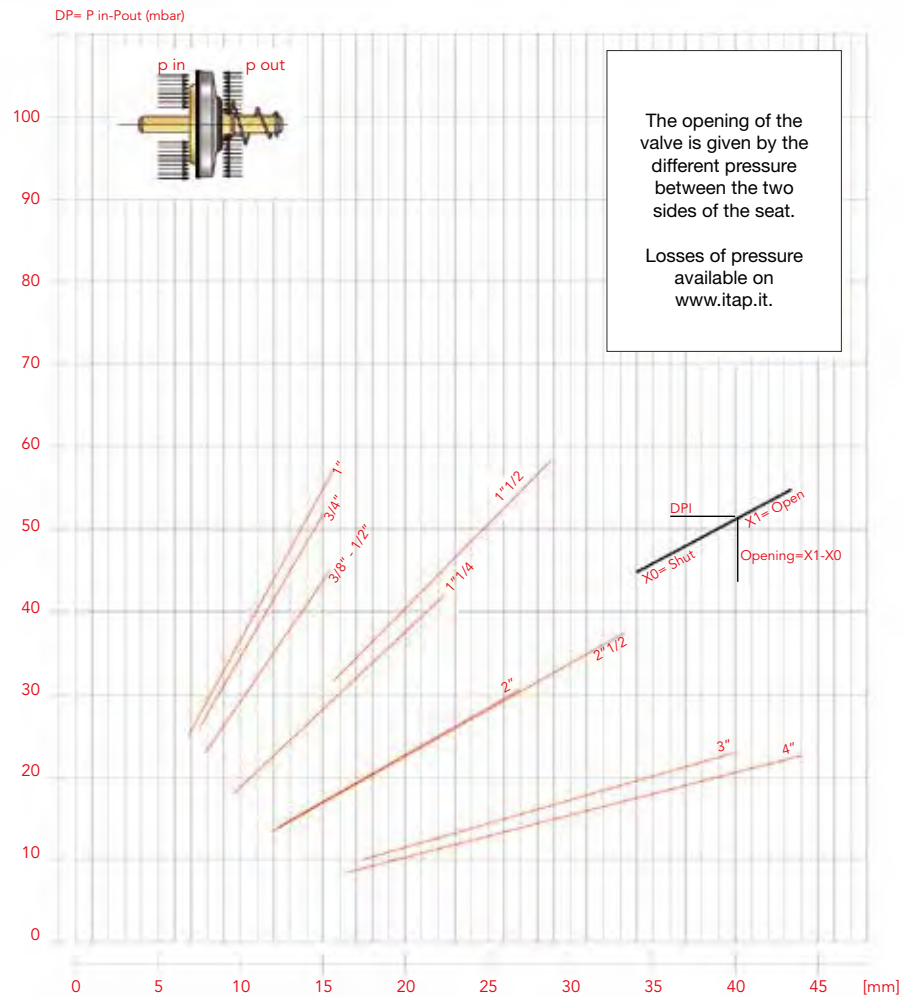


DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



100



Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
They can be installed in any position: vertical, horizontal, oblique.

CODICE	MISURA	PRESSIONE	IMBALLO
1000038	3/8" (DN 10)	25bar/362.5psi	10/130
1000012	1/2" (DN 15)	25bar/362.5psi	10/120
1000034	3/4" (DN 20)	25bar/362.5psi	8/88
1000100	1" (DN 25)	25bar/362.5psi	6/54
1000114	1"1/4 (DN 32)	18bar/261psi	4/36
1000112	1"1/2 (DN 40)	18bar/261psi	2/24
1000200	2" (DN 50)	18bar/261psi	2/18
1000212	2"1/2 (DN 65)	12bar/174psi	1/6
1000300	3" (DN 80)	12bar/174psi	1/4
1000400	4" (DN 100)	12bar/174psi	1/2

Available also with NPT thread in the sizes from 1/2" to 4".
ACS approved in sizes from 3/8" to 2".

Body in brass.
Plate in stainless steel.
Washer in NBR.
Spring: stainless steel.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



EUROPA® CHECK VALVE

105



Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
They can be installed in any position: vertical, horizontal, oblique.

CODICE	MISURA	PRESSIONE	IMBALLO
1050038	3/8" (DN 10)	25bar/362.5psi	8/112
1050012	1/2" (DN 15)	25bar/362.5psi	8/112
1050034	3/4" (DN 20)	25bar/362.5psi	6/84
1050100	1" (DN 25)	25bar/362.5psi	4/44
1050114	1"1/4 (DN 32)	18bar/261psi	4/24
1050112	1"1/2 (DN 40)	18bar/261psi	2/14
1050200	2" (DN 50)	18bar/261psi	2/12
1050212	2"1/2 (DN 65)	12bar/174psi	1/6
1050300	3" (DN 80)	12bar/174psi	1/3
1050400	4" (DN 100)	12bar/174psi	1/1

Available also with NPT thread in the sizes 2"1/2, 3" and 4".
ACS approved in sizes from 3/8" to 2".

Body in brass.
Plate in stainless steel.
Washer in NBR.
Spring: stainless steel.
Strainer in polymer and stainless steel.
Filtration degree: 3/8" through 2": 1200µm; 2"1/2 through 4": 1700µm.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



EUROPA® FOOT VALVE



MATERIALS

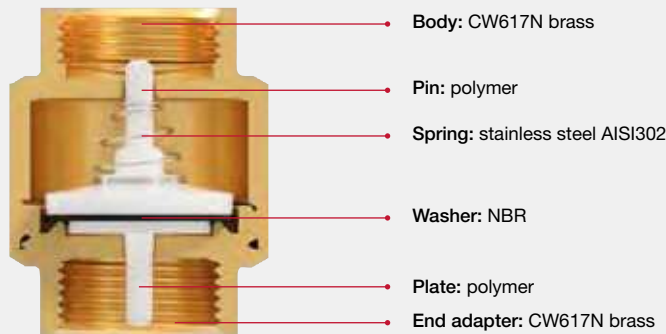
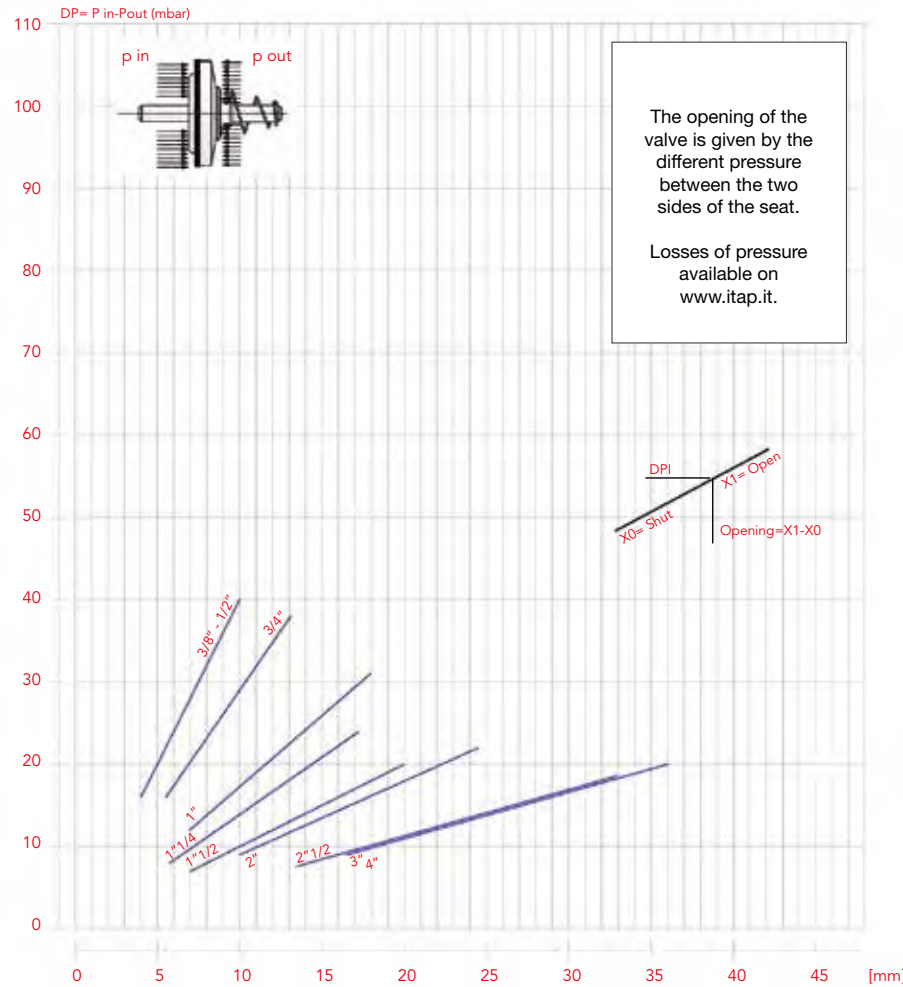


DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



103



Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
They can be installed in any position: vertical, horizontal, oblique.

CODICE	MISURA	PRESSIONE	IMBALLO
1030038	3/8" (DN 10)	12bar/174psi	10/200
1030012	1/2" (DN 15)	12bar/174psi	10/170
1030034	3/4" (DN 20)	12bar/174psi	8/120
1030100	1" (DN 25)	12bar/174psi	8/88
1030114	1"1/4 (DN 32)	10bar/145psi	6/60
1030112	1"1/2 (DN 40)	10bar/145psi	4/28
1030200	2" (DN 50)	10bar/145psi	2/24
1030212	2"1/2 (DN 65)	8bar/116psi	1/16
1030300	3" (DN 80)	8bar/116psi	1/8
1030400	4" (DN 100)	8bar/116psi	1/4

Body in brass.
Plate in polymer.
Washer in NBR.
Spring: stainless steel.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ACS approved in sizes from 3/8" to 2".

YORK® CHECK VALVE



108



Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
They can be installed in any position: vertical, horizontal, oblique.

CODICE	MISURA	PRESSIONE	IMBALLO
1080038	3/8" (DN 10)	12bar/174psi	8/112
1080012	1/2" (DN 15)	12bar/174psi	10/150
1080034	3/4" (DN 20)	12bar/174psi	8/96
1080100	1" (DN 25)	12bar/174psi	8/64
1080114	1"1/4 (DN 32)	10bar/145psi	6/36
1080112	1"1/2 (DN 40)	10bar/145psi	4/16
1080200	2" (DN 50)	10bar/145psi	2/14
1080212	2"1/2 (DN 65)	6bar/87psi	1/8
1080300	3" (DN 80)	6bar/87psi	1/6
1080400	4" (DN 100)	6bar/87psi	1/3

Body in brass.
Plate in polymer.
Washer in NBR.
Spring: stainless steel.
Strainer in polymer and stainless steel.
Filtration degree: 3/8" through 2": 1200µm; 2"1/2 through 4": 1700µm.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ACS approved in sizes from 3/8" to 2".

YORK® FOOT VALVE





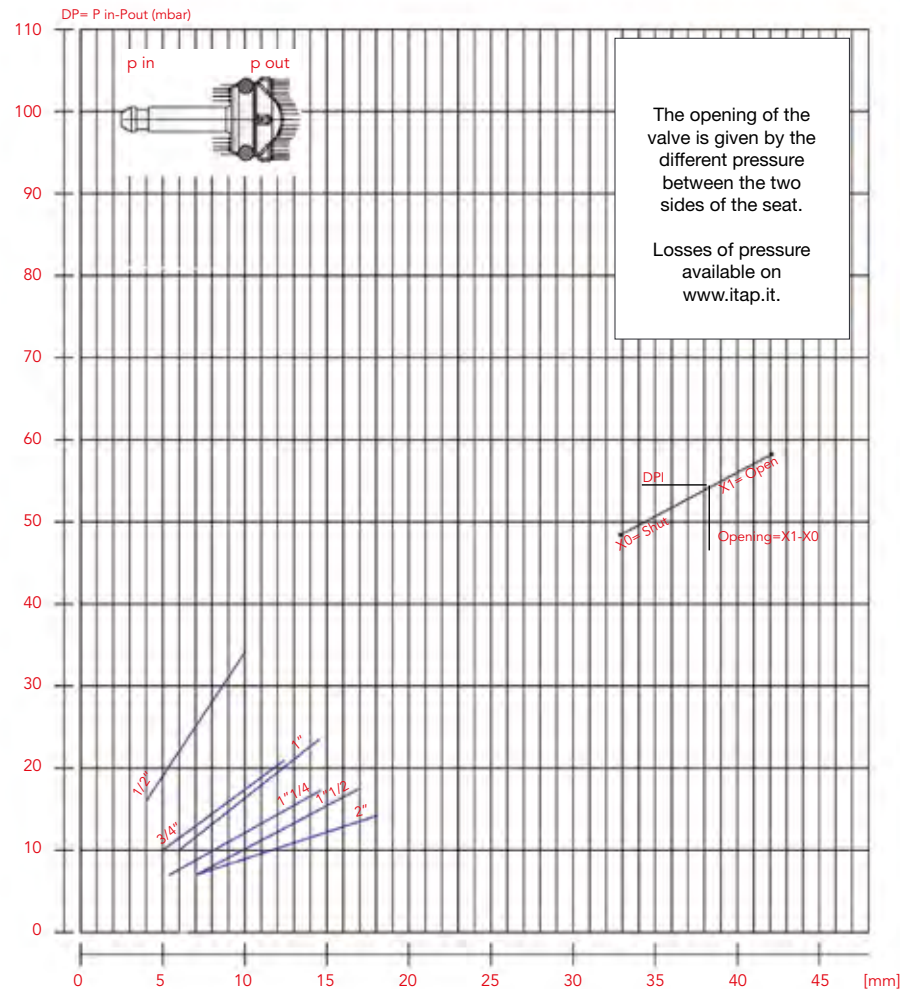
MATERIALS



- Body: CW617N brass
- Plate: polymer
- O-ring: NBR
- Guide: polymer
- Spring: stainless steel AISI302
- Spring stop: polymer



DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



101



Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
They can be installed in any position: vertical, horizontal, oblique.

CODICE	MISURA	PRESSIONE	IMBALLO
1010012	1/2" (DN 15)	12bar/174psi	14/322
1010034	3/4" (DN 20)	12bar/174psi	12/204
1010100	1" (DN 25)	12bar/174psi	10/140
1010114	1"1/4 (DN 32)	10bar/145psi	8/88
1010112	1"1/2 (DN 40)	10bar/145psi	6/60
1010200	2" (DN 50)	10bar/145psi	4/28

PATENTED
Body in brass.
Plate in polymer.
O-ring in NBR.
Spring: stainless steel.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



BLOCK® CHECK VALVE



106



Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
They can be installed in any position: vertical, horizontal, oblique.

CODICE	MISURA	PRESSIONE	IMBALLO
1060012	1/2" (DN 15)	12bar/174psi	14/224
1060034	3/4" (DN 20)	12bar/174psi	12/132
1060100	1" (DN 25)	12bar/174psi	10/90
1060114	1"1/4 (DN 32)	10bar/145psi	8/48
1060112	1"1/2 (DN 40)	10bar/145psi	6/30
1060200	2" (DN 50)	10bar/145psi	2/18

PATENTED
Body in brass.
Plate in polymer.
O-ring in NBR.
Spring: stainless steel.
Strainer in polymer.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



BLOCK® FOOT VALVE



MATERIALS

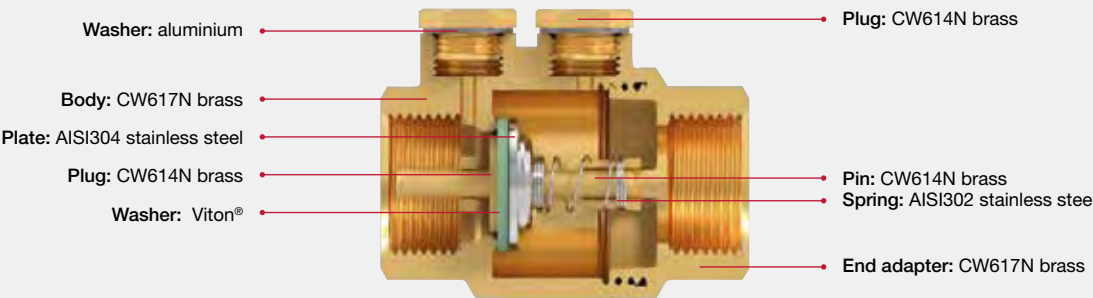
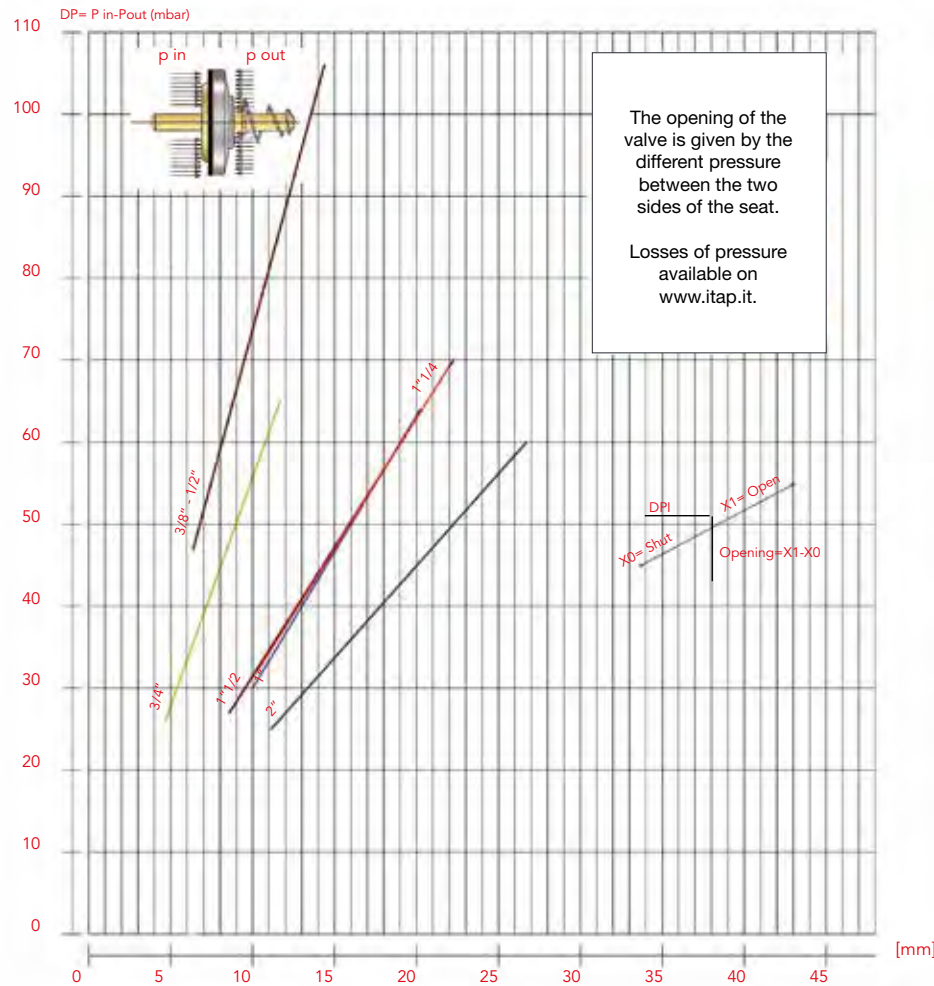


DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



104



Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
They can be installed in any position: vertical, horizontal, oblique.
Suitable for use with gasoline and fuels in general.

CODICE	MISURA	PRESSIONE	IMBALLO
1040038	3/8" (DN 10)	25bar/362.5psi	9/108
1040012	1/2" (DN 15)	25bar/362.5psi	8/96
1040034	3/4" (DN 20)	25bar/362.5psi	6/72
1040100	1" (DN 25)	25bar/362.5psi	5/45
1040114	1"1/4 (DN 32)	18bar/261psi	4/32
1040112	1"1/2 (DN 40)	18bar/261psi	3/18
1040200	2" (DN 50)	18bar/261psi	2/16

Body in brass.
Plate in stainless steel.
Washer in Viton®.
Spring: stainless steel.
Outlet plugs in brass, thread 1/4".
Minimum working temperature: -20°C.
Maximum working temperature: 100°C with water ;150°C with fluid hydrocarbons or compressed air.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



ROMA® CHECK VALVE



102



CODICE	MISURA	IMBALLO
1020038	3/8" (DN 10)	30/360
1020012	1/2" (DN 15)	30/360
1020034	3/4" (DN 20)	20/160
1020100	1" (DN 25)	20/100
1020114	1"1/4 (DN 32)	10/60
1020112	1"1/2 (DN 40)	10/50
1020200	2" (DN 50)	4/24
1020212	2"1/2 (DN 65)	1/18
1020300	3" (DN 80)	1/12
1020400	4" (DN 100)	1/6

Available also with NPT thread in the sizes 2"1/2, 3" and 4".

Filtration degree: 3/8" through 2": 1200µm; 2"1/2 through 4": 1700µm.
Strainer in stainless steel.
Threaded end in polymer.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



STRAINER FOR EUROPA®, YORK®, BLOCK®, ROMA® CHECK VALVE



107



CODICE	MISURA	IMBALLO
1070038	3/8" (DN 10)	50/550
1070012	1/2" (DN 15)	40/480
1070034	3/4" (DN 20)	35/245
1070100	1" (DN 25)	30/150
1070114	1"1/4 (DN 32)	20/100
1070112	1"1/2 (DN 40)	12/60
1070200	2" (DN 50)	8/40

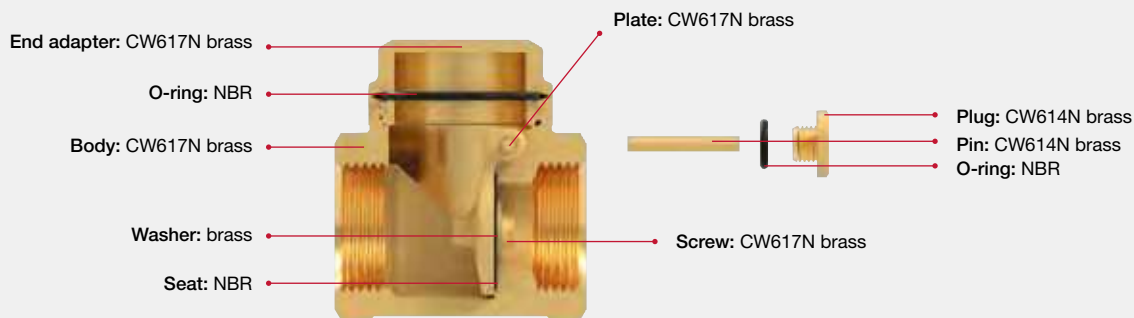
Strainer in polymer.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



STRAINER FOR EUROPA®, YORK®, BLOCK®, ROMA® CHECK VALVE



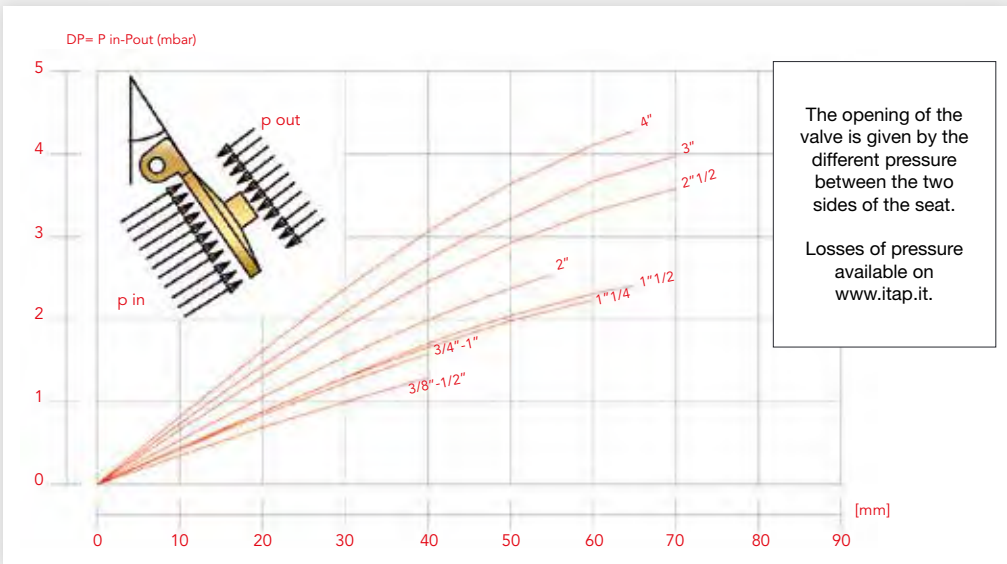
MATERIALS



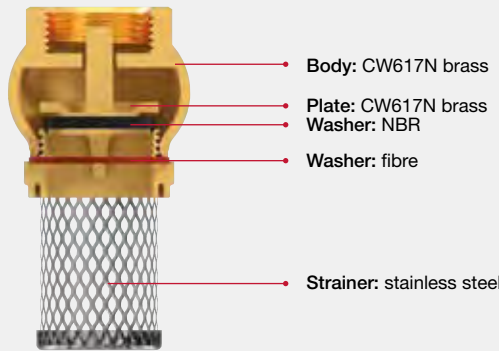
The cross section refers to the valve with NBR seat. Available also with metal seat.



DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



MATERIALS



130



130M
METAL SEAT

CODICE	MISURA	PRESSIONE	IMBALLO
1300038M	3/8" (DN 10)	16bar/232psi	16/144
1300012M	1/2" (DN 15)	16bar/232psi	16/144
1300034M	3/4" (DN 20)	16bar/232psi	10/90
1300100M	1" (DN 25)	12bar/174psi	6/54
1300114M	1"1/4 (DN 32)	10bar/145psi	4/32
1300112M	1"1/2 (DN 40)	10bar/145psi	3/24
1300200M	2" (DN 50)	10bar/145psi	2/16
1300212M	2"1/2 (DN 65)	8bar/116psi	1/12
1300300M	3" (DN 80)	8bar/116psi	1/6
1300400M	4" (DN 100)	8bar/116psi	1/3

130G
NBR SEAT

CODICE	MISURA	PRESSIONE	IMBALLO
1300038G	3/8" (DN 10)	16bar/232psi	16/144
1300012G	1/2" (DN 15)	16bar/232psi	16/144
1300034G	3/4" (DN 20)	16bar/232psi	10/90
1300100G	1" (DN 25)	12bar/174psi	6/54
1300114G	1"1/4 (DN 32)	10bar/145psi	4/32
1300112G	1"1/2 (DN 40)	10bar/145psi	3/24
1300200G	2" (DN 50)	10bar/145psi	2/16

Available 3/8" through 2" with NBR seat,
3/8" through 4" with metal seat.
Available also with NPT thread in the sizes
2"1/2, 3" and 4".

Body in brass.
O-ring for upper plug in NBR.
O-ring of the side plug in NBR.
Plate in brass.
Minimum and maximum working temperatures: 0°C, 90°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



SWING CHECK VALVE



140



CODICE	MISURA	PRESSIONE	IMBALLO
1400012	1/2" (DN 15)	10bar/145psi	12/144
1400034	3/4" (DN 20)	10bar/145psi	12/96
1400100	1" (DN 25)	10bar/145psi	4/36
1400114	1"1/4 (DN 32)	8bar/116psi	4/32
1400112	1"1/2 (DN 40)	8bar/116psi	3/27
1400200	2" (DN 50)	8bar/116psi	2/12
1400212	2"1/2 (DN 65)	6bar/87psi	1/8
1400300	3" (DN 80)	6bar/87psi	1/6
1400400	4" (DN 100)	6bar/87psi	1/3

Available also with NPT thread in the sizes
2"1/2, 3" and 4".

Body in brass.
Strainer in stainless steel.
Strainer washer in fibre.
Plate in brass.
Washer in NBR.
Filtration degree: 2400µm.
Minimum and maximum working temperatures: 0°C, 90°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



FOOT VALVE

BALL VALVES, GATE VALVES,
BIBCOCKS,
GAS SAFETY DEVICES

Green DVGW ecological ball valves	22-23
Ideal DVGW ecological ball valves	24-25
Madrid full flow ball valves	26-28
Paris full flow ball valves	29-30
Ideal full flow ball valves	31-41
Vienna standard flow ball valves	42-45
Orient reduced flow ball valves	46-49
Handles and locking device for ball valves	50-54
MINI ball valves	55
3-way ball valve	56
PN16 gate valve	57
Spin hose bibcock with mobile connection	58
Bibcocks	58-63
Hose connections	63
Supply bibcocks	64
London gas ball valves	66-68
Berlin gas ball valves	69-70
Angle ball valves for gas	71
Handles for gas ball valves	71-72
Gas leak detectors and solenoid safety valves	72-73

MATERIALS

Screw: zincplated steel Fe CB4

Flat lever handle: zincplated lined steel Fe P04

T handle: aluminium

O-ring: NBR

End adapter: nickel-plated brass CW617N

Ball: chrome-plated brass CW617N

O-ring: Viton®

Stem: CW614N brass

Seat: P.T.F.E.

Body: nickel-plated brass CW617N

Ball bore chart
unit in mm

	ITAP	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
GREEN DVGW	376	10	10	15	20	25	32	40	50	-	-	-
	377	8	10	15	20	25	32	39	50	-	-	-
	378	10	10	15	20	25	-	-	-	-	-	-
	379	8	10	15	20	25	-	-	-	-	-	-

376

Ecological ball valves in compliance with the new European regulation for drinkable water. Approved in accordance with standard EN 13828 and Code of Practice DVGW W 570 for the distribution of water intended for human consumption. Equipped with a ball designed to avoid the stagnation of water and eventual proliferation of bacteria inside the valve.

Locking device p. 52

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

CODICE	MISURA	PRESSIONE	IMBALLO
376B014	1/4" (DN 8)	50bar/725psi	12/144
376B038	3/8" (DN 10)	50bar/725psi	12/144
376B012	1/2" (DN 15)	50bar/725psi	10/90
376B034	3/4" (DN 20)	40bar/580psi	8/48
376B100	1" (DN 25)	40bar/580psi	6/48
376B114	1 1/4" (DN 32)	30bar/435psi	2/18
376B112	1 1/2" (DN 40)	30bar/435psi	2/10
376B200	2" (DN 50)	25bar/362.5psi	2/10

Female/female threads.
Flat lever handle in lined steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads: ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1).

GREEN DVGW BALL VALVE, FULL FLOW

377

Ecological ball valves in compliance with the new European regulation for drinkable water. Approved in accordance with standard EN 13828 and Code of Practice DVGW W 570 for the distribution of water intended for human consumption. Equipped with a ball designed to avoid the stagnation of water and eventual proliferation of bacteria inside the valve.

Locking device p. 52

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

CODICE	MISURA	PRESSIONE	IMBALLO
377B014	1/4" (DN 8)	50bar/725psi	12/144
377B038	3/8" (DN 10)	50bar/725psi	12/144
377B012	1/2" (DN 15)	50bar/725psi	10/80
377B034	3/4" (DN 20)	40bar/580psi	8/48
377B100	1" (DN 25)	40bar/580psi	6/48
377B114	1 1/4" (DN 32)	30bar/435psi	2/16
377B112	1 1/2" (DN 40)	30bar/435psi	2/10
377B200	2" (DN 50)	25bar/362.5psi	1/5

Male/female threads.
Flat lever handle in lined steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads: ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1).
Male threads ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1).

GREEN DVGW BALL VALVE, FULL FLOW

378

Ecological ball valves in compliance with the new European regulation for drinkable water. Approved in accordance with standard EN 13828 and Code of Practice DVGW W 570 for the distribution of water intended for human consumption. Equipped with a ball designed to avoid the stagnation of water and eventual proliferation of bacteria inside the valve.

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

CODICE	MISURA	PRESSIONE	IMBALLO
378B014	1/4" (DN 8)	50bar/725psi	15/180
378B038	3/8" (DN 10)	50bar/725psi	15/180
378B012	1/2" (DN 15)	50bar/725psi	10/120
378B034	3/4" (DN 20)	40bar/580psi	8/80
378B100	1" (DN 25)	40bar/580psi	6/48

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads: ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1).

GREEN DVGW BALL VALVE, FULL FLOW

379

Ecological ball valves in compliance with the new European regulation for drinkable water. Approved in accordance with standard EN 13828 and Code of Practice DVGW W 570 for the distribution of water intended for human consumption. Equipped with a ball designed to avoid the stagnation of water and eventual proliferation of bacteria inside the valve.

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

CODICE	MISURA	PRESSIONE	IMBALLO
379B014	1/4" (DN 8)	50bar/725psi	15/180
379B038	3/8" (DN 10)	50bar/725psi	15/180
379B012	1/2" (DN 15)	50bar/725psi	10/120
379B034	3/4" (DN 20)	40bar/580psi	8/72
379B100	1" (DN 25)	40bar/580psi	6/48

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads: ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1).
Male threads ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1).

GREEN DVGW BALL VALVE, FULL FLOW



MATERIALS

Screw: zincplated steel Fe CB4

Flat lever handle:
zincplated lined steel Fe P04

T handle: aluminium

O-ring: NBR

O-ring: Viton®

Stem: CW614N brass

Seat: P.T.F.E.

Body: nickel-plated brass CW617N

End adapter: nickel-plated brass CW617N

Ball: chrome-plated brass CW617N

Ball bore chart
unit in mm

	ITAP	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
IDEAL DVGW	290P	10	10	15	20	25	32	40	50	-	-	-
	291P	8	10	15	20	25	32	39	50	-	-	-
	292P	10	10	15	20	25	-	-	-	-	-	-
	293P	8	10	15	20	25	-	-	-	-	-	-



290P

Ecological ball valves in compliance with the new European regulation for drinkable water. Approved in accordance with standard EN 13828 and Code of Practice DVGW W 570 for the distribution of water intended for human consumption. Equipped with a ball designed to avoid the stagnation of water and eventual proliferation of bacteria inside the valve.

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

CODICE	MISURA	PRESSIONE	IMBALLO
2900014P	1/4" (DN 8)	50bar/725psi	12/144
2900038P	3/8" (DN 10)	50bar/725psi	12/144
2900012P	1/2" (DN 15)	50bar/725psi	12/108
2900034P	3/4" (DN 20)	40bar/580psi	8/56
2900100P	1" (DN 25)	40bar/580psi	6/42
2900114P	1"1/4 (DN 32)	30bar/435psi	4/24
2900112P	1"1/2 (DN 40)	30bar/435psi	2/12
2900200P	2" (DN 50)	25bar/362,5psi	2/10

Female/female threads.
Flat lever handle in lined steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL DVGW BALL VALVE, FULL FLOW



291P

Ecological ball valves in compliance with the new European regulation for drinkable water. Approved in accordance with standard EN 13828 and Code of Practice DVGW W 570 for the distribution of water intended for human consumption. Equipped with a ball designed to avoid the stagnation of water and eventual proliferation of bacteria inside the valve.

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

CODICE	MISURA	PRESSIONE	IMBALLO
2910014P	1/4" (DN 8)	50bar/725psi	12/144
2910038P	3/8" (DN 10)	50bar/725psi	12/144
2910012P	1/2" (DN 15)	50bar/725psi	12/96
2910034P	3/4" (DN 20)	40bar/580psi	8/48
2910100P	1" (DN 25)	40bar/580psi	6/48
2910114P	1"1/4 (DN 32)	30bar/435psi	3/24
2910112P	1"1/2 (DN 40)	30bar/435psi	2/16
2910200P	2" (DN 50)	25bar/362,5psi	1/5

Male/female threads.
Flat lever handle in lined steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL DVGW BALL VALVE, FULL FLOW



292P

Ecological ball valves in compliance with the new European regulation for drinkable water. Approved in accordance with standard EN 13828 and Code of Practice DVGW W 570 for the distribution of water intended for human consumption. Equipped with a ball designed to avoid the stagnation of water and eventual proliferation of bacteria inside the valve.

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

CODICE	MISURA	PRESSIONE	IMBALLO
2920014P	1/4" (DN 8)	50bar/725psi	15/210
2920038P	3/8" (DN 10)	50bar/725psi	15/210
2920012P	1/2" (DN 15)	50bar/725psi	12/144
2920034P	3/4" (DN 20)	40bar/580psi	8/96
2920100P	1" (DN 25)	40bar/580psi	6/48

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL DVGW BALL VALVE, FULL FLOW



293P

Ecological ball valves in compliance with the new European regulation for drinkable water. Approved in accordance with standard EN 13828 and Code of Practice DVGW W 570 for the distribution of water intended for human consumption. Equipped with a ball designed to avoid the stagnation of water and eventual proliferation of bacteria inside the valve.

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

CODICE	MISURA	PRESSIONE	IMBALLO
2930014P	1/4" (DN 8)	50bar/725psi	15/180
2930038P	3/8" (DN 10)	50bar/725psi	15/180
2930012P	1/2" (DN 15)	50bar/725psi	12/132
2930034P	3/4" (DN 20)	40bar/580psi	8/88
2930100P	1" (DN 25)	40bar/580psi	6/48

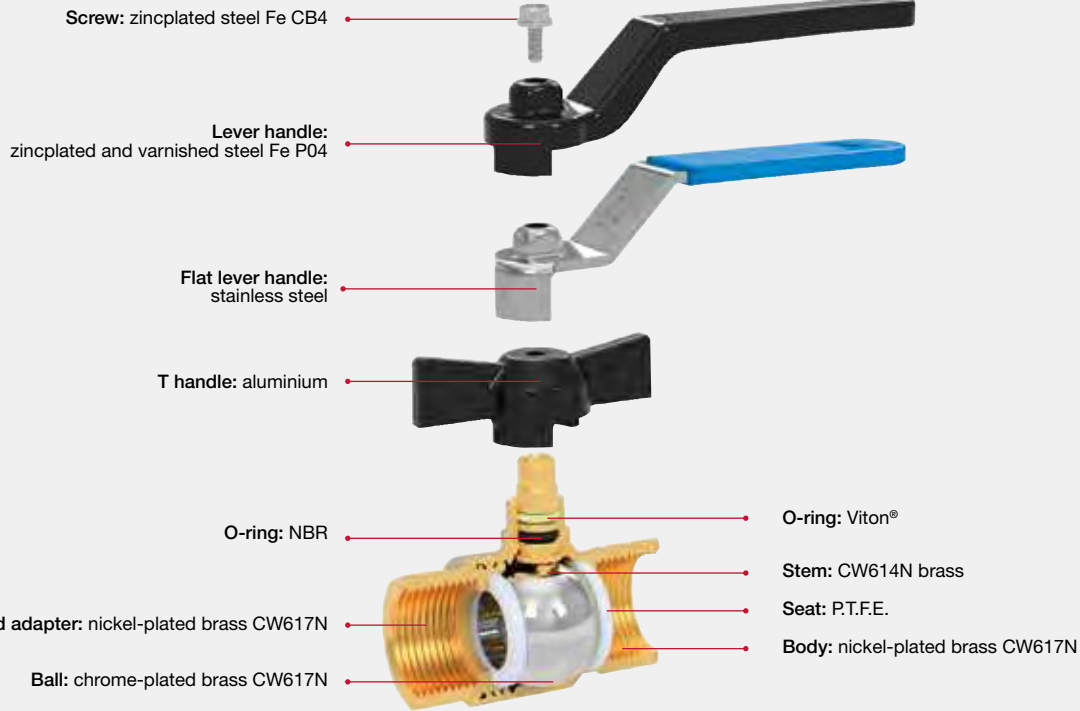
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL DVGW BALL VALVE, FULL FLOW



MATERIALS



Ball bore chart
unit in mm

	ITAP	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
MADRID	076	10	10	15	20	25	32	40	50	65	80	100
	077	8	10	15	20	25	32	39	50	63	74	97
	078	10	10	15	20	25	-	-	-	-	-	-
	079	8	10	15	20	25	-	-	-	-	-	-



076



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
076B014	1/4" (DN 8)	50bar/725psi	12/144
076B038	3/8" (DN 10)	50bar/725psi	12/144
076B012	1/2" (DN 15)	50bar/725psi	10/90
076B034	3/4" (DN 20)	40bar/580psi	8/64
076B100	1" (DN 25)	40bar/580psi	6/42
076B114	1"1/4 (DN 32)	30bar/435psi	3/24
076B112	1"1/2 (DN 40)	30bar/435psi	2/10
076B200	2" (DN 50)	25bar/362.5psi	2/10
1200212N	2"1/2 (DN 65)	18bar/261psi	1/5
1200300N	3" (DN 80)	16bar/232psi	1/3
1200400N	4" (DN 100)	14bar/203psi	1/2

Female/female threads.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4"



MADRID BALL VALVE, FULL FLOW



077



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
077B014	1/4" (DN 8)	50bar/725psi	12/144
077B038	3/8" (DN 10)	50bar/725psi	12/144
077B012	1/2" (DN 15)	50bar/725psi	10/90
077B034	3/4" (DN 20)	40bar/580psi	8/64
077B100	1" (DN 25)	40bar/580psi	6/48
077B114	1"1/4 (DN 32)	30bar/435psi	2/16
077B112	1"1/2 (DN 40)	30bar/435psi	2/10
077B200	2" (DN 50)	25bar/362.5psi	1/5
1210212N	2"1/2 (DN 65)	18bar/261psi	1/5
1210300N	3" (DN 80)	16bar/232psi	1/3
1210400N	4" (DN 100)	14bar/203psi	1/2

Male/female threads.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4"
Male threads:
- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4"



MADRID BALL VALVE, FULL FLOW



078



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
078B014	1/4" (DN 8)	50bar/725psi	15/180
078B038	3/8" (DN 10)	50bar/725psi	15/180
078B012	1/2" (DN 15)	50bar/725psi	10/120
078B034	3/4" (DN 20)	40bar/580psi	8/80
078B100	1" (DN 25)	40bar/580psi	6/48

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 1".



MADRID BALL VALVE, FULL FLOW



079



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
079B014	1/4" (DN 8)	50bar/725psi	15/180
079B038	3/8" (DN 10)	50bar/725psi	15/180
079B012	1/2" (DN 15)	50bar/725psi	10/120
079B034	3/4" (DN 20)	40bar/580psi	8/72
079B100	1" (DN 25)	40bar/580psi	6/48

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 1".
Male threads:
- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 1".



MADRID BALL VALVE, FULL FLOW

276XB



Locking device p. 52

MADRID BALL VALVE, FULL FLOW,
WITH FLAT LEVER HANDLE IN
STAINLESS STEEL

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
276B014XB	1/4" (DN 8)	50bar/725psi	12/144
276B038XB	3/8" (DN 10)	50bar/725psi	12/144
276B012XB	1/2" (DN 15)	50bar/725psi	10/90
276B034XB	3/4" (DN 20)	40bar/580psi	8/48
276B100XB	1" (DN 25)	40bar/580psi	6/48
276B114XB	1"1/4 (DN 32)	30bar/435psi	2/18
276B112XB	1"1/2 (DN 40)	30bar/435psi	2/10
276B200XB	2" (DN 50)	25bar/362.5psi	2/10

Female/female threads.
Flat lever handle in lined stainless steel AISI304.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads: ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1).



277XB



Locking device p. 52

MADRID BALL VALVE, FULL FLOW,
WITH FLAT LEVER HANDLE IN
STAINLESS STEEL

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

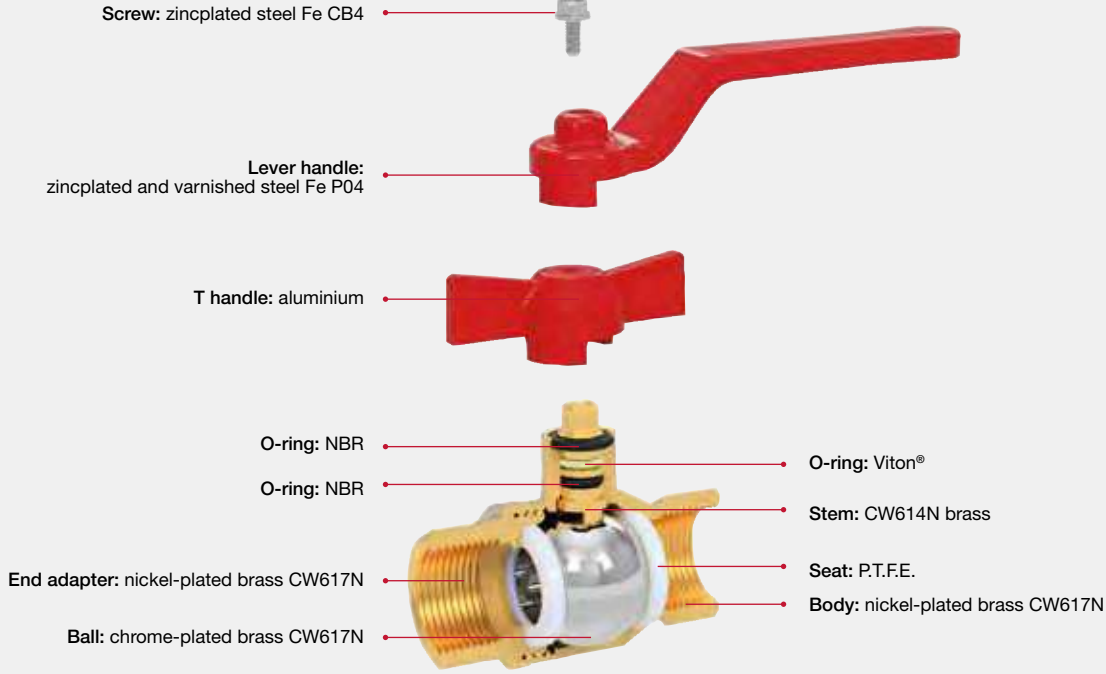
CODICE	MISURA	PRESSIONE	IMBALLO
277B014XB	1/4" (DN 8)	50bar/725psi	12/144
277B038XB	3/8" (DN 10)	50bar/725psi	12/144
277B012XB	1/2" (DN 15)	50bar/725psi	10/80
277B034XB	3/4" (DN 20)	40bar/580psi	8/48
277B100XB	1" (DN 25)	40bar/580psi	6/48
277B114XB	1"1/4 (DN 32)	30bar/435psi	2/16
277B112XB	1"1/2 (DN 40)	30bar/435psi	2/10
277B200XB	2" (DN 50)	25bar/362.5psi	1/5

Male/female threads.
Flat lever handle in lined stainless steel AISI304.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads: ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1).
Male threads ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1).



MATERIALS

PARIS



Ball bore chart
unit in mm

	ITAP	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
PARIS	080	-	-	15	20	25	32	40	50	65	80	100
	081	-	-	15	20	25	32	38	49	63	74	97
	082	-	-	15	20	25	-	-	-	-	-	-
	083	-	-	15	20	25	-	-	-	-	-	-

080



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
080B012	1/2" (DN 15)	50bar/725psi	8/72
080B034	3/4" (DN 20)	40bar/580psi	6/48
080B100	1" (DN 25)	40bar/580psi	4/36
080B114	1"1/4 (DN 32)	30bar/435psi	2/16
080B112	1"1/2 (DN 40)	30bar/435psi	2/10
080B200	2" (DN 50)	25bar/362.5psi	1/5
1200212	2"1/2 (DN 65)	18bar/261psi	1/5
1200300	3" (DN 80)	16bar/232psi	1/3
1200400	4" (DN 100)	14bar/203psi	1/2

Female/female threads.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4"



PARIS BALL VALVE, FULL FLOW

081



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
081B012	1/2" (DN 15)	50bar/725psi	8/72
081B034	3/4" (DN 20)	40bar/580psi	6/48
081B100	1" (DN 25)	40bar/580psi	4/32
081B114	1"1/4 (DN 32)	30bar/435psi	2/16
081B112	1"1/2 (DN 40)	30bar/435psi	2/10
081B200	2" (DN 50)	25bar/362.5psi	1/5
1210212	2"1/2 (DN 65)	18bar/261psi	1/5
1210300	3" (DN 80)	16bar/232psi	1/3
1210400	4" (DN 100)	14bar/203psi	1/2

Male/female threads.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4"
Male threads:
- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4"



PARIS BALL VALVE, FULL FLOW

082



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
082B012	1/2" (DN 15)	50bar/725psi	8/96
082B034	3/4" (DN 20)	40bar/580psi	6/54
082B100	1" (DN 25)	40bar/580psi	4/36

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 1".



PARIS BALL VALVE, FULL FLOW

083



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

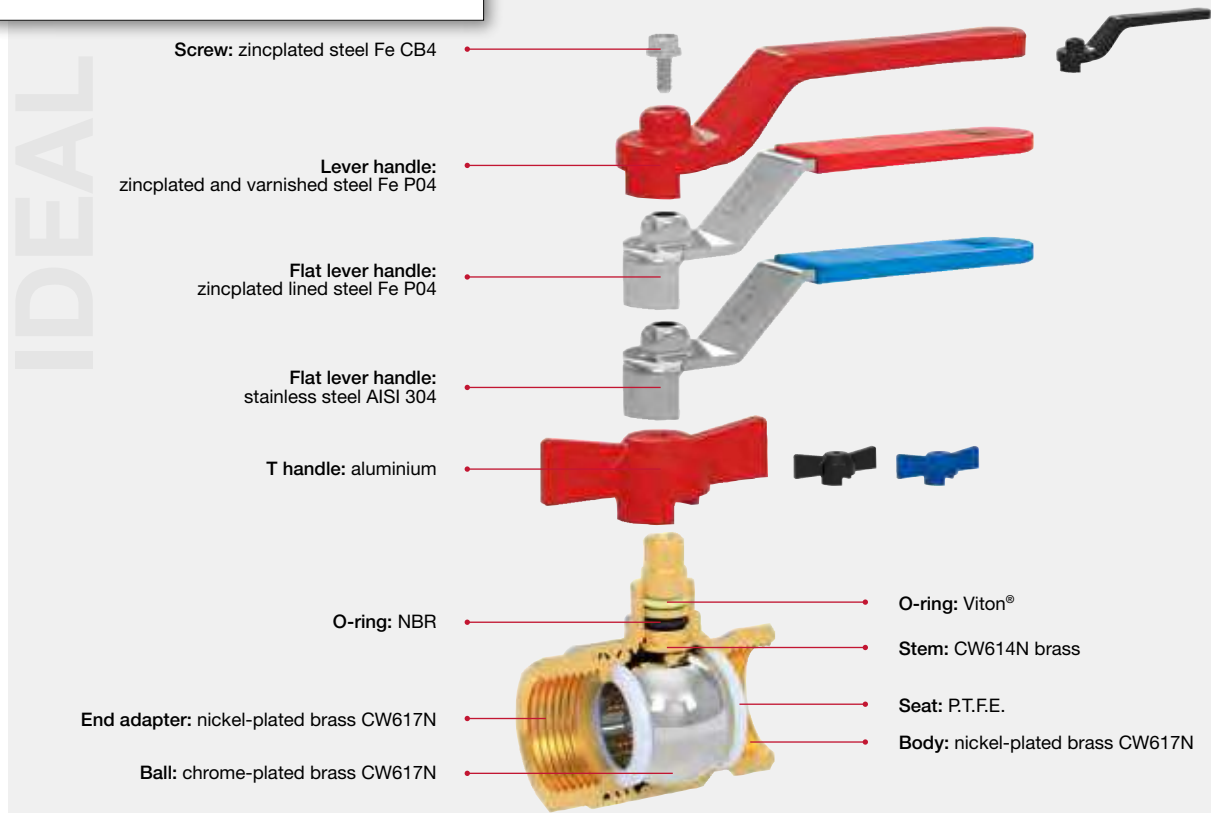
CODICE	MISURA	PRESSIONE	IMBALLO
083B012	1/2" (DN 15)	50bar/725psi	10/90
083B034	3/4" (DN 20)	40bar/580psi	6/54
083B100	1" (DN 25)	40bar/580psi	4/32

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 1".
Male threads:
- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 1".



PARIS BALL VALVE, FULL FLOW

MATERIALS



Ball bore chart
unit in mm

	ITAP	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
IDEAL	090	10	10	15	20	25	32	40	50	65	80	100
	091	8	10	15	20	25	32	39	50	-	-	-
	092	10	10	15	20	25	32	-	-	-	-	-
	093	8	10	15	20	25	32	-	-	-	-	-
	098	-	-	15	20	25	32	39	50	-	-	-
	298	-	-	14	18	23	-	-	-	-	-	-

090



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0900014	1/4" (DN 8)	50bar/725psi	12/168
0900038	3/8" (DN 10)	50bar/725psi	12/168
0900012	1/2" (DN 15)	50bar/725psi	12/108
0900034	3/4" (DN 20)	40bar/580psi	8/64
0900100	1" (DN 25)	40bar/580psi	6/48
0900114	1"1/4 (DN 32)	30bar/435psi	4/32
0900112	1"1/2 (DN 40)	30bar/435psi	2/16
0900200	2" (DN 50)	25bar/362.5psi	2/10
0900212	2"1/2 (DN 65)	18bar/261psi	1/7
0900300	3" (DN 80)	16bar/232psi	1/4
0900400	4" (DN 100)	14bar/203psi	1/2

Female/female threads.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW

090N



Available also with NPT thread in the sizes 1/4" through 2".

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0900014N	1/4" (DN 8)	50bar/725psi	12/168
0900038N	3/8" (DN 10)	50bar/725psi	12/168
0900012N	1/2" (DN 15)	50bar/725psi	12/108
0900034N	3/4" (DN 20)	40bar/580psi	8/64
0900100N	1" (DN 25)	40bar/580psi	6/48
0900114N	1"1/4 (DN 32)	30bar/435psi	4/32
0900112N	1"1/2 (DN 40)	30bar/435psi	2/16
0900200N	2" (DN 50)	25bar/362.5psi	2/10
0900212N	2"1/2 (DN 65)	18bar/261psi	1/7
0900300N	3" (DN 80)	16bar/232psi	1/4
0900400N	4" (DN 100)	14bar/203psi	1/2

Female/female threads.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW

091



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0910014	1/4" (DN 8)	50bar/725psi	12/144
0910038	3/8" (DN 10)	50bar/725psi	12/144
0910012	1/2" (DN 15)	50bar/725psi	12/108
0910034	3/4" (DN 20)	40bar/580psi	8/64
0910100	1" (DN 25)	40bar/580psi	6/48
0910114	1"1/4 (DN 32)	30bar/435psi	3/24
0910112	1"1/2 (DN 40)	30bar/435psi	2/16
0910200	2" (DN 50)	25bar/362.5psi	2/10

Male/female threads.
Lever handle in steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW

091N



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0910014N	1/4" (DN 8)	50bar/725psi	12/144
0910038N	3/8" (DN 10)	50bar/725psi	12/144
0910012N	1/2" (DN 15)	50bar/725psi	12/108
0910034N	3/4" (DN 20)	40bar/580psi	8/64
0910100N	1" (DN 25)	40bar/580psi	6/48
0910114N	1"1/4 (DN 32)	30bar/435psi	3/24
0910112N	1"1/2 (DN 40)	30bar/435psi	2/16
0910200N	2" (DN 50)	25bar/362.5psi	2/10

Male/female threads.
Lever handle in steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW

092



Available also with NPT thread in the sizes 1/4" through 1".

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0920014	1/4" (DN 8)	50bar/725psi	15/210
0920038	3/8" (DN 10)	50bar/725psi	15/210
0920012	1/2" (DN 15)	50bar/725psi	12/144
0920034	3/4" (DN 20)	40bar/580psi	8/96
0920100	1" (DN 25)	40bar/580psi	6/54
0920114	1"1/4 (DN 32)	30bar/435psi	4/32

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW

092N



Available also with NPT thread in the sizes 1/4" through 1".

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0920014N	1/4" (DN 8)	50bar/725psi	15/210
0920038N	3/8" (DN 10)	50bar/725psi	15/210
0920012N	1/2" (DN 15)	50bar/725psi	12/144
0920034N	3/4" (DN 20)	40bar/580psi	8/96
0920100N	1" (DN 25)	40bar/580psi	6/54
0920114N	1"1/4 (DN 32)	30bar/435psi	4/32

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW

093



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0930014	1/4" (DN 8)	50bar/725psi	15/180
0930038	3/8" (DN 10)	50bar/725psi	15/180
0930012	1/2" (DN 15)	50bar/725psi	12/132
0930034	3/4" (DN 20)	40bar/580psi	8/88
0930100	1" (DN 25)	40bar/580psi	6/48
0930114	1"1/4 (DN 32)	30bar/435psi	4/32

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW

093N



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0930014N	1/4" (DN 8)	50bar/725psi	15/180
0930038N	3/8" (DN 10)	50bar/725psi	15/180
0930012N	1/2" (DN 15)	50bar/725psi	12/132
0930034N	3/4" (DN 20)	40bar/580psi	8/88
0930100N	1" (DN 25)	40bar/580psi	6/48
0930114N	1"1/4 (DN 32)	30bar/435psi	4/32

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW

099



Suitable for domestic water services, heating and air-conditioning plants.

CODICE	MISURA	PRESSIONE	IMBALLO
0990012	1/2" (DN 15)	40bar/580psi	10/90
0990034	3/4" (DN 20)	40bar/580psi	10/60
0990100	1" (DN 25)	40bar/580psi	6/48
0990114	1"1/4 (DN 32)	30bar/435psi	4/32
0990112	1"1/2 (DN 40)	30bar/435psi	2/16
0990200	2" (DN 50)	30bar/435psi	2/10

Male/male threads.
Lever handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -10°C, 95°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW MALE/ MALE THREAD

099F



Suitable for domestic water services, heating and air-conditioning plants.

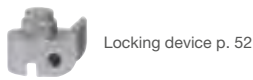
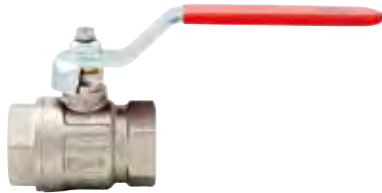
CODICE	MISURA	PRESSIONE	IMBALLO
0990012F	1/2" (DN 15)	40bar/580psi	15/135
0990034F	3/4" (DN 20)	40bar/580psi	10/90
0990100F	1" (DN 25)	40bar/580psi	5/45

Male/male threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -10°C, 95°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW MALE/ MALE THREAD

290



Locking device p. 52

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

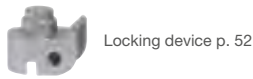
CODICE	MISURA	PRESSIONE	IMBALLO
2160014	1/4" (DN 8)	50bar/725psi	12/144
2160038	3/8" (DN 10)	50bar/725psi	12/144
2900012	1/2" (DN 15)	50bar/725psi	12/108
2900034	3/4" (DN 20)	40bar/580psi	8/64
2900100	1" (DN 25)	40bar/580psi	6/48
2900114	1"1/4 (DN 32)	30bar/435psi	4/32
2900112	1"1/2 (DN 40)	30bar/435psi	2/16
2900200	2" (DN 50)	25bar/362.5psi	2/10

Female/female threads.
Flat lever handle in lined steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL BALL VALVE, FULL FLOW

290XB



Locking device p. 52

Available also with NPT thread in the sizes 1/4" through 2".

IDEAL BALL VALVE, FULL FLOW, WITH FLAT LEVER HANDLE IN STAINLESS STEEL

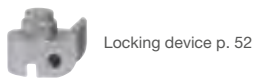
Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
2900014XB	1/4" (DN 8)	50bar/725psi	12/144
2900038XB	3/8" (DN 10)	50bar/725psi	12/144
2900012XB	1/2" (DN 15)	50bar/725psi	12/108
2900034XB	3/4" (DN 20)	40bar/580psi	8/64
2900100XB	1" (DN 25)	40bar/580psi	6/48
2900114XB	1"1/4 (DN 32)	30bar/435psi	4/32
2900112XB	1"1/2 (DN 40)	30bar/435psi	2/16
2900200XB	2" (DN 50)	25bar/362.5psi	2/10

Female/female threads.
Flat lever handle in lined stainless steel AISI304.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



291XB



Locking device p. 52

IDEAL BALL VALVE, FULL FLOW, WITH FLAT LEVER HANDLE IN STAINLESS STEEL

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
2910014XB	1/4" (DN 8)	50bar/725psi	12/144
2910038XB	3/8" (DN 10)	50bar/725psi	12/144
2910012XB	1/2" (DN 15)	50bar/725psi	12/96
2910034XB	3/4" (DN 20)	40bar/580psi	8/48
2910100XB	1" (DN 25)	40bar/580psi	6/48
2910114XB	1"1/4 (DN 32)	30bar/435psi	3/24
2910112XB	1"1/2 (DN 40)	30bar/435psi	2/16
2910200XB	2" (DN 50)	25bar/362.5psi	2/10

Male/female threads.
Flat lever handle in lined stainless steel AISI304.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



098



IDEAL BALL VALVE, FULL FLOW FOR MANIFOLDS

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0980012	1/2" (DN 15)	50bar/725psi	8/112
0980034	3/4" (DN 20)	40bar/580psi	6/54
0980100	1" (DN 25)	40bar/580psi	5/40
0980114	1"1/4 (DN 32)	30bar/435psi	3/27
0980112	1"1/2 (DN 40)	30bar/435psi	2/12
0980200	2" (DN 50)	25bar/362.5psi	2/10

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
1"1/2 and 2" size with flat seat and lever handle in steel.



098N



IDEAL BALL VALVE, FULL FLOW FOR MANIFOLDS

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0980012N	1/2" (DN 15)	50bar/725psi	8/112
0980034N	3/4" (DN 20)	40bar/580psi	6/54
0980100N	1" (DN 25)	40bar/580psi	5/40
0980114N	1"1/4 (DN 32)	30bar/435psi	3/27
0980112N	1"1/2 (DN 40)	30bar/435psi	2/12
0980200N	2" (DN 50)	25bar/362.5psi	2/10

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
1"1/2 and 2" size with flat seat and lever handle in steel.



098S



IDEAL BALL VALVE WITH O-RING, FULL FLOW FOR MANIFOLDS

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0980012S	1/2" (DN 15)	50bar/725psi	8/112
0980034S	3/4" (DN 20)	40bar/580psi	6/66
0980034100S	3/4"X1" (DN 20)	40bar/580psi	6/66
0980100S	1" (DN 25)	40bar/580psi	5/45
0980114S	1"1/4 (DN 32)	30bar/435psi	3/27

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Code 0980034100S: 3/4"Fx1"M



098SB



IDEAL BALL VALVE WITH O-RING, FULL FLOW FOR MANIFOLDS

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0980012SB	1/2" (DN 15)	50bar/725psi	8/112
0980034SB	3/4" (DN 20)	40bar/580psi	6/66
0980034100SB	3/4"X1" (DN 20)	40bar/580psi	6/66
0980100SB	1" (DN 25)	40bar/580psi	5/45
0980114SB	1"1/4 (DN 32)	30bar/435psi	3/27

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Code 0980034100SB: 3/4"Fx1"M



098SDC



IDEAL BALL VALVE WITHOUT UNION, FULL FLOW FOR MANIFOLDS

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0980012SDC	1/2" (DN 15)	50bar/725psi	8/112
0980034SDC	3/4" (DN 20)	40bar/580psi	8/96
0980100SDC	1" (DN 25)	40bar/580psi	7/63
0980114SDC	1"1/4 (DN 32)	30bar/435psi	4/36

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male thread with conical seat.
Available sizes: 1/2"F X 3/4"M, 3/4"F X 1"M, 1"F X 1"1/4M, 1"1/4F X 1"1/2M.



098SDCB



IDEAL BALL VALVE WITHOUT UNION, FULL FLOW FOR MANIFOLDS

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0980012SDCB	1/2" (DN 15)	50bar/725psi	8/112
0980034SDCB	3/4" (DN 20)	40bar/580psi	8/96
0980100SDCB	1" (DN 25)	40bar/580psi	7/63
0980114SDCB	1"1/4 (DN 32)	30bar/435psi	4/36

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male thread with conical seat.
Available sizes: 1/2"F X 3/4"M, 3/4"F X 1"M, 1"F X 1"1/4M, 1"1/4F X 1"1/2M.



298



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
2980012	1/2" (DN 15)	50bar/725psi	6/72
2980034	3/4" (DN 20)	40bar/580psi	6/48
2980100	1" (DN 25)	40bar/580psi	4/32

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL ANGLE BALL VALVE, FULL FLOW FOR MANIFOLDS

298S



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
2980012S	1/2" (DN 15)	50bar/725psi	6/72
2980034S	3/4" (DN 20)	40bar/580psi	6/48
2980100S	1" (DN 25)	40bar/580psi	4/32

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL ANGLE BALL VALVE WITH O-RING, FULL FLOW FOR MANIFOLDS

298SB



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
2980034SB	3/4" (DN 20)	40bar/580psi	6/48
2980100SB	1" (DN 25)	40bar/580psi	4/32

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



IDEAL ANGLE BALL VALVE WITH O-RING, FULL FLOW FOR MANIFOLDS

298SDC



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
2980012SDC	1/2" (DN 15)	50bar/725psi	6/84
2980034SDC	3/4" (DN 20)	40bar/580psi	6/54
2980100SDC	1" (DN 25)	40bar/580psi	4/36

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male thread with conical seat.
Available sizes: 1/2"F x 3/4"M - 3/4"F x 1"M - 1"F x 1"1/4M



IDEAL ANGLE BALL VALVE WITHOUT UNION, FULL FLOW FOR MANIFOLDS

298SDCB



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
2980012SDCB	1/2" (DN 15)	50bar/725psi	6/84
2980034SDCB	3/4" (DN 20)	40bar/580psi	6/54
2980100SDCB	1" (DN 25)	40bar/580psi	4/36

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male thread with conical seat.
Available sizes: 1/2"F x 3/4"M - 3/4"F x 1"M - 1"F x 1"1/4M



IDEAL ANGLE BALL VALVE WITHOUT UNION, FULL FLOW FOR MANIFOLDS

492BC



CODICE	MISURA	PRESSIONE	IMBALLO
4920100BC	1" (DN 25)	10bar/145psi	4/56
4920114BC	1"1/4 (DN 32)	10bar/145psi	4/48

Suitable for ball valves art. 098SDC, 098SDCB, 298SDC and 298SDCB.
Body in nickel-plated brass.
O-ring in NBR.
Thermometer range: 0°C, 80°C.
Diameter: mm.40.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



THERMOMETER UNION COMPLETE WITH THERMOMETER

098RSK



CODICE	MISURA	PRESSIONE	IMBALLO
0980100RSK	1"	40bar/580psi	1/26

Kit consisting of: 2 ball valves, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



STRAIGHT BALL VALVES KIT - COMPACT

298RSK



CODICE	MISURA	PRESSIONE	IMBALLO
2980100RSK	1"	40bar/580psi	1/22

Kit consisting of: 2 ball valves, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



ANGLE BALL VALVES KIT - COMPACT

487K01R

CODICE	MISURA	PRESSIONE	IMBALLO
4870100K01R	1"	40bar/580psi	1/22



Kit consisting of: 2 ball valves, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Thermometer: scale 0°C, 80°C – diameter mm. 40
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

STRAIGHT BALL VALVES KIT AND THERMOMETER – COMPACT



487K02R

CODICE	MISURA	PRESSIONE	IMBALLO
4870100K02R	1"	10bar/145psi	1/12



Kit consisting of: 2 ball valves, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Thermometer: scale 0°C, 80°C – diameter mm. 40
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ANGLE BALL VALVES KIT AND THERMOMETER – COMPACT



098SK

CODICE	MISURA	PRESSIONE	IMBALLO
0980034100SK	3/4"X1"	40bar/580psi	1/26
0980100SK	1"	40bar/580psi	1/22



Code 0980034100SK: 3/4"FX1"M

Kit consisting of: 2 ball valves art. 098S and 098SB, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

STRAIGHT BALL VALVES KIT



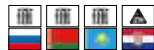
298SK

CODICE	MISURA	PRESSIONE	IMBALLO
2980100SK	1"	40bar/580psi	1/12



Kit consisting of: 2 ball valves art. 298S and 298SB, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ANGLE BALL VALVES KIT



487K01

CODICE	MISURA	PRESSIONE	IMBALLO
4870100K01	1"	10bar/145psi	1/22



Kit consisting of: 2 ball valves art. 098SDC and 098SDCB, red and blue T handles and 2 thermometer unions complete with thermometers art. 492BC.
Available size: 1".
Valves specifications:
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male thread with conical seat.
Thermometer unions specifications:
Body in nickel-plated brass.
O-ring in NBR.
Thermometer range: 0°C, 80°C.
Diameter: mm.40.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

STRAIGHT BALL VALVES AND THERMOMETER UNION KIT



487K02

CODICE	MISURA	PRESSIONE	IMBALLO
4870100K02	1"	10bar/145psi	1/12



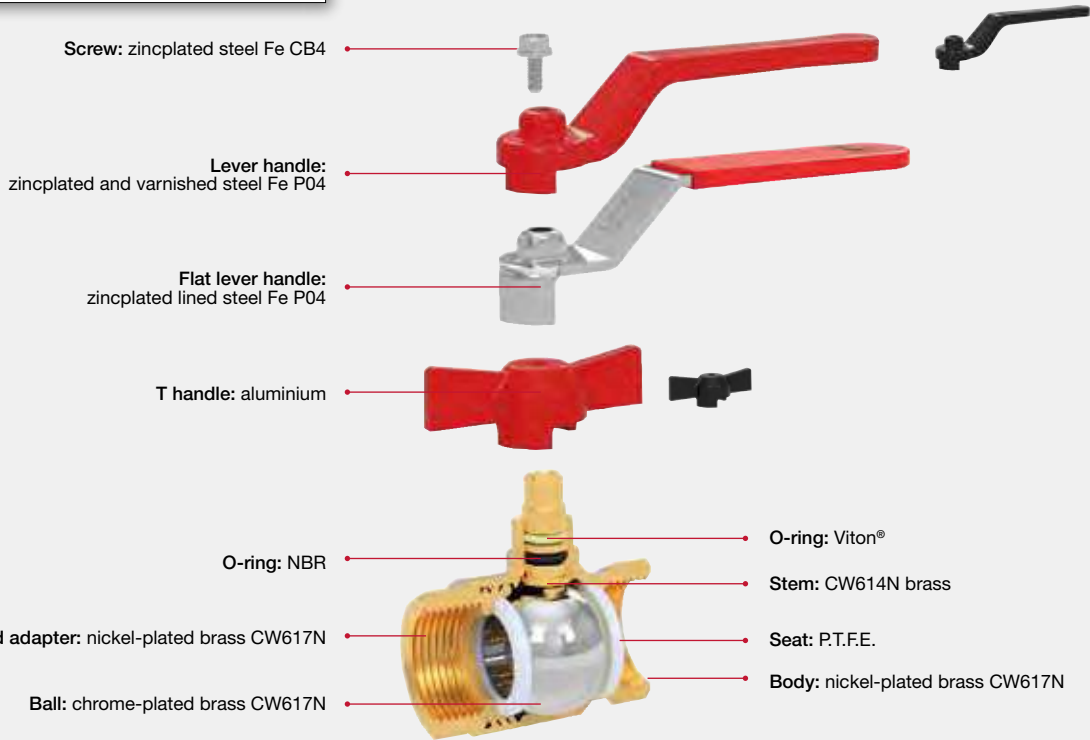
Kit consisting of: 2 ball valves art. 298SDC and 298SDCB, red and blue T handles and 2 thermometer unions complete with thermometers art. 492BC.
Available size: 1".
Valves specifications:
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male thread with conical seat.
Thermometer unions specifications:
Body in nickel-plated brass.
O-ring in NBR.
Thermometer range: 0°C, 80°C.
Diameter: mm.40.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ANGLE BALL VALVES AND THERMOMETER UNION KIT





MATERIALS



Ball bore chart
unit in mm

	ITAP	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
VIENNA	116	10	10	14	18,5	23,5	30	37	47	58	70	90
	117	8	10	14	18,5	23,5	30	37	47	-	-	-
	118	10	10	14	18,5	23,5	-	-	-	-	-	-
	119	8	10	14	18,5	23,5	-	-	-	-	-	-
	216	10	10	14	18,5	23,5	30	37	47	-	-	-
	217	8	10	14	18,5	23,5	30	37	47	-	-	-



116

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.



Available also with NPT thread in the sizes 2"1/2, 3" and 4".

CODICE	MISURA	PRESSIONE	IMBALLO
0900014	1/4" (DN 8)	50bar/725psi	12/168
0900038	3/8" (DN 10)	50bar/725psi	12/168
1160012	1/2" (DN 15)	30bar/435psi	15/135
1160034	3/4" (DN 20)	30bar/435psi	8/72
1160100	1" (DN 25)	30bar/435psi	8/48
1160114	1"1/4 (DN 32)	25bar/362.5psi	4/32
1160112	1"1/2 (DN 40)	25bar/362.5psi	3/18
1160200	2" (DN 50)	25bar/362.5psi	2/10
1160212	2"1/2 (DN 65)	18bar/261psi	1/9
1160300	3" (DN 80)	14bar/203psi	1/5
1160400	4" (DN 100)	12bar/174psi	1/3

Female/female threads.
Lever handle in steel (aluminium for sizes 2"1/2 - 3" - 4").
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

VIENNA BALL VALVE, STANDARD FLOW



116N

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.



Available also with NPT thread in the sizes 2"1/2, 3" and 4".

CODICE	MISURA	PRESSIONE	IMBALLO
0900014N	1/4" (DN 8)	50bar/725psi	12/168
0900038N	3/8" (DN 10)	50bar/725psi	12/168
1160012N	1/2" (DN 15)	30bar/435psi	15/135
1160034N	3/4" (DN 20)	30bar/435psi	8/72
1160100N	1" (DN 25)	30bar/435psi	8/48
1160114N	1"1/4 (DN 32)	25bar/362.5psi	4/32
1160112N	1"1/2 (DN 40)	25bar/362.5psi	3/18
1160200N	2" (DN 50)	25bar/362.5psi	2/10
1160212N	2"1/2 (DN 65)	18bar/261psi	1/9
1160300N	3" (DN 80)	14bar/203psi	1/5
1160400N	4" (DN 100)	12bar/174psi	1/3

Female/female threads.
Lever handle in steel (aluminium for sizes 2"1/2 - 3" - 4").
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

VIENNA BALL VALVE, STANDARD FLOW



117

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.



CODICE	MISURA	PRESSIONE	IMBALLO
0910014	1/4" (DN 8)	50bar/725psi	12/144
0910038	3/8" (DN 10)	50bar/725psi	12/144
1170012	1/2" (DN 15)	30bar/435psi	15/120
1170034	3/4" (DN 20)	30bar/435psi	8/64
1170100	1" (DN 25)	30bar/435psi	6/48
1170114	1"1/4 (DN 32)	25bar/362.5psi	4/32
1170112	1"1/2 (DN 40)	25bar/362.5psi	2/16
1170200	2" (DN 50)	25bar/362.5psi	2/10

Male/female threads.
Lever handle in steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

VIENNA BALL VALVE, STANDARD FLOW



117N

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.



CODICE	MISURA	PRESSIONE	IMBALLO
0910014N	1/4" (DN 8)	50bar/725psi	12/144
0910038N	3/8" (DN 10)	50bar/725psi	12/144
1170012N	1/2" (DN 15)	30bar/435psi	15/120
1170034N	3/4" (DN 20)	30bar/435psi	8/64
1170100N	1" (DN 25)	30bar/435psi	6/48
1170114N	1"1/4 (DN 32)	25bar/362.5psi	4/32
1170112N	1"1/2 (DN 40)	25bar/362.5psi	2/16
1170200N	2" (DN 50)	25bar/362.5psi	2/10

Male/female threads.
Lever handle in steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

VIENNA BALL VALVE, STANDARD FLOW



118



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0920014	1/4" (DN 8)	50bar/725psi	15/210
0920038	3/8" (DN 10)	50bar/725psi	15/210
1180012	1/2" (DN 15)	30bar/435psi	15/180
1180034	3/4" (DN 20)	30bar/435psi	8/96
1180100	1" (DN 25)	30bar/435psi	8/72

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



VIENNA BALL VALVE, STANDARD FLOW

118N



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0920014N	1/4" (DN 8)	50bar/725psi	15/210
0920038N	3/8" (DN 10)	50bar/725psi	15/210
1180012N	1/2" (DN 15)	30bar/435psi	15/180
1180034N	3/4" (DN 20)	30bar/435psi	8/96
1180100N	1" (DN 25)	30bar/435psi	8/72

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



VIENNA BALL VALVE, STANDARD FLOW

119



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0930014	1/4" (DN 8)	50bar/725psi	15/180
0930038	3/8" (DN 10)	50bar/725psi	15/180
1190012	1/2" (DN 15)	30bar/435psi	15/135
1190034	3/4" (DN 20)	30bar/435psi	8/96
1190100	1" (DN 25)	30bar/435psi	6/54

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



VIENNA BALL VALVE, STANDARD FLOW

119N



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0930014N	1/4" (DN 8)	50bar/725psi	15/180
0930038N	3/8" (DN 10)	50bar/725psi	15/180
1190012N	1/2" (DN 15)	30bar/435psi	15/135
1190034N	3/4" (DN 20)	30bar/435psi	8/96
1190100N	1" (DN 25)	30bar/435psi	6/54

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



VIENNA BALL VALVE, STANDARD FLOW

115



Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
1150012	1/2" (DN 15)	25bar/362.5psi	14/84
1150034	3/4" (DN 20)	25bar/362.5psi	8/64
1150100	1" (DN 25)	25bar/362.5psi	4/36
1150114	1"1/4 (DN 32)	20bar/290psi	4/32
1150112	1"1/2 (DN 40)	20bar/290psi	2/18
1150200	2" (DN 50)	20bar/290psi	2/10

Female/female threads.
Lever handle in steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 110°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



VIENNA BALL VALVE, STANDARD FLOW WITH REVOLVING DRAIN COCK

216



Locking device p. 52

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
2160014	1/4" (DN 8)	50bar/725psi	12/144
2160038	3/8" (DN 10)	50bar/725psi	12/144
2160012	1/2" (DN 15)	30bar/435psi	15/120
2160034	3/4" (DN 20)	30bar/435psi	8/64
2160100	1" (DN 25)	30bar/435psi	6/48
2160114	1"1/4 (DN 32)	25bar/362.5psi	4/32
2160112	1"1/2 (DN 40)	25bar/362.5psi	2/18
2160200	2" (DN 50)	25bar/362.5psi	2/10

Female/female threads.
Flat lever handle in lined steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



VIENNA BALL VALVE, STANDARD FLOW

217



Locking device p. 52

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
2170014	1/4" (DN 8)	50bar/725psi	12/144
2170038	3/8" (DN 10)	50bar/725psi	12/144
2170012	1/2" (DN 15)	30bar/435psi	15/120
2170034	3/4" (DN 20)	30bar/435psi	8/64
2170100	1" (DN 25)	30bar/435psi	6/48
2170114	1"1/4 (DN 32)	25bar/362.5psi	4/32
2170112	1"1/2 (DN 40)	25bar/362.5psi	2/16
2170200	2" (DN 50)	25bar/362.5psi	2/10

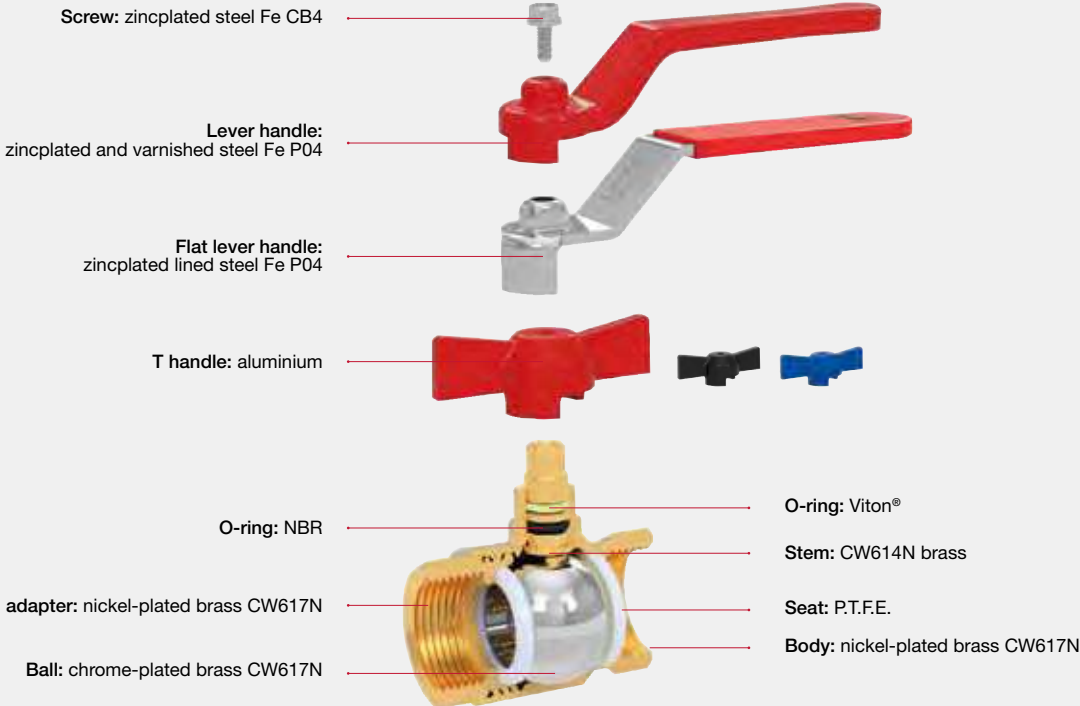
Male/female threads.
Flat lever handle in lined steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



VIENNA BALL VALVE, STANDARD FLOW



MATERIALS



Ball bore chart
unit in mm

	ITAP	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
ORIENT	111	10	10	12	15	20	25	32	40
	112	8	10	12	15	20	-	-	-
	113	10	10	12	15	20	-	-	-
	114	8	10	12	15	20	-	-	-
	211	-	-	12	15	20	25	32	40



112

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.



CODICE	MISURA	PRESSIONE	IMBALLO
0910014	1/4" (DN 8)	50bar/725psi	12/144
0910038	3/8" (DN 10)	50bar/725psi	12/144
1120012	1/2" (DN 15)	50bar/725psi	10/120
1120034	3/4" (DN 20)	40bar/580psi	8/72
1120100	1" (DN 25)	40bar/580psi	4/48

Male/female threads.
Lever handle in steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ORIENT BALL VALVE, REDUCED FLOW



113

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.



CODICE	MISURA	PRESSIONE	IMBALLO
0920014	1/4" (DN 8)	50bar/725psi	15/210
0920038	3/8" (DN 10)	50bar/725psi	15/210
1130012	1/2" (DN 15)	50bar/725psi	12/144
1130034	3/4" (DN 20)	40bar/580psi	8/112
1130100	1" (DN 25)	40bar/580psi	6/72

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ORIENT BALL VALVE, REDUCED FLOW



114

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.



CODICE	MISURA	PRESSIONE	IMBALLO
0930014	1/4" (DN 8)	50bar/725psi	15/180
0930038	3/8" (DN 10)	50bar/725psi	15/180
1140012	1/2" (DN 15)	50bar/725psi	12/144
1140034	3/4" (DN 20)	40bar/580psi	8/96
1140100	1" (DN 25)	40bar/580psi	5/60

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ORIENT BALL VALVE, REDUCED FLOW



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
0900014	1/4" (DN 8)	50bar/725psi	12/168
0900038	3/8" (DN 10)	50bar/725psi	12/168
1110012	1/2" (DN 15)	50bar/725psi	12/144
1110034	3/4" (DN 20)	40bar/580psi	10/90
1110100	1" (DN 25)	40bar/580psi	8/64
1110114	1"1/4 (DN 32)	30bar/435psi	4/48
1110112	1"1/2 (DN 40)	30bar/435psi	3/24
1110200	2" (DN 50)	25bar/362.5psi	2/16

Female/female threads.
Lever handle in steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ORIENT BALL VALVE, REDUCED FLOW



211



Locking device p. 52

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
2110012	1/2" (DN 15)	50bar/725psi	12/108
2110034	3/4" (DN 20)	40bar/580psi	10/90
2110100	1" (DN 25)	40bar/580psi	8/48
2110114	1"1/4 (DN 32)	30bar/435psi	4/44
2110112	1"1/2 (DN 40)	30bar/435psi	3/24
2110200	2" (DN 50)	25bar/362.5psi	2/16

Female/female threads.
Flat lever handle in lined steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



ORIENT BALL VALVE, REDUCED FLOW

113DF



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
1130034100	3/4" x 1"	40bar/580psi	6/72
1130100100	1" x 1"	40bar/580psi	6/72

Female/female threads.
T handle in aluminium.
Nickel-plated brass body and swivel.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ORIENT BALL VALVE WITH FEMALE SWIVEL, REDUCED FLOW

113DFN



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
1130034100N	3/4" x 1"	40bar/580psi	6/72
1130100100N	1" x 1"	40bar/580psi	6/72

Female/female threads.
T handle in aluminium.
Nickel-plated brass body and swivel.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ORIENT BALL VALVE WITH FEMALE SWIVEL, REDUCED FLOW

113DFB



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
1130034100B	3/4" x 1"	40bar/580psi	6/72
1130100100B	1" x 1"	40bar/580psi	6/72

Female/female threads.
T handle in aluminium.
Nickel-plated brass body and swivel.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ORIENT BALL VALVE WITH FEMALE SWIVEL, REDUCED FLOW

113DFK



CODICE	MISURA	PRESSIONE	IMBALLO
1130100100K	1" x 1"	40bar/580psi	1/26

Female/female threads.
T handle in aluminium.
Nickel-plated brass body and swivel.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ORIENT BALL VALVE KIT WITH FEMALE SWIVEL, REDUCED FLOW

086



LEVER HANDLE FOR BALL VALVES AND BIBCOCKS

CODICE	MISURA	IMBALLO
0860001	1	20/400
0860002	2	20/400
0860003	3	20/300
0860004	4	10/100
0860005	5	10/100
0860006	6	1/75
0860007	7	1/35

086N



LEVER HANDLE FOR BALL VALVES AND BIBCOCKS

CODICE	MISURA	IMBALLO
0860001N	1	20/400
0860002N	2	20/400
0860003N	3	20/300
0860004N	4	10/100
0860005N	5	10/100
0860006N	6	1/75
0860007N	7	1/35

086B



LEVER HANDLE FOR BALL VALVES AND BIBCOCKS

CODICE	MISURA	IMBALLO
0860001B	1	20/400
0860002B	2	20/400
0860003B	3	20/300
0860004B	4	10/100
0860005B	5	10/100



SIZE OF THE HANDLE
CORRESPONDING TO
EACH VALVE (086)

Art.	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
111/112	1	1	1	2	3	3	4	4	-	-	-
076/077	1	1	2	3	3	4	5	5	-	-	-
090/091	1	1	1	3	3	4	4	5	6	7	7
290P/291P	1	1	1	3	3	4	4	5	-	-	-
116/117	1	1	1	3	3	4	4	5	6	7	7
080/081	-	-	2	3	3	4	5	5	7	7	7
131/132	-	1	1	2	2	-	-	-	-	-	-
166	-	-	1	1	-	-	-	-	-	-	-
174	-	-	1	1	-	-	-	-	-	-	-
178	-	-	1	1	-	-	-	-	-	-	-
115	-	-	1	3	3	4	4	5	-	-	-
098	-	-	1	3	3	4	4	5	-	-	-
298	-	-	1	3	3	-	-	-	-	-	-
376/377	1	1	2	3	3	4	5	5	-	-	-
120/121	-	-	-	-	-	-	-	-	7	7	7

084



FLAT LEVER HANDLE FOR BALL VALVES AND BIBCOCK

CODICE	MISURA	IMBALLO
0840001	1	20/400
0840002	2	20/400
0840003	3	20/300
0840004	4	10/100
0840005	5	10/100

084V



FLAT LEVER HANDLE FOR BALL VALVES AND BIBCOCK

CODICE	MISURA	IMBALLO
0840001V	1	20/400
0840002V	2	20/400
0840003V	3	20/300
0840004V	4	10/100
0840005V	5	10/100

089B



STAINLESS STEEL FLAT LEVER HANDLE
FOR BALL VALVES

CODICE	MISURA	IMBALLO
0890001B	1	20/400
0890002B	2	20/400
0890003B	3	20/400
0890004B	4	10/100
0890005B	5	10/100

Flat lever handle in stainless steel AISI 304.



SIZE OF THE HANDLE
CORRESPONDING TO
EACH VALVE (084)

Art.	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
111/112/211	1	1	1	2	3	3	4	4
090/091/290	1	1	1	3	3	4	4	5
290P/291P	1	1	1	3	3	4	4	5
116/117	1	1	1	3	3	4	4	5
216/217	1	1	1	3	3	4	4	5
080/081	-	-	2	3	3	4	5	5
131	-	-	1	-	-	-	-	-
133	-	-	1	2	2	-	-	-
167	-	-	1	1	-	-	-	-
174	-	-	1	1	-	-	-	-
178	-	-	1	1	-	-	-	-
076/077	1	1	2	3	3	4	5	5
376/377	1	1	2	3	3	4	5	5
115	-	-	1	3	3	4	4	5
098	-	-	1	3	3	4	4	5
298	-	-	1	3	3	-	-	-

084LK



This device has to be used on valves and biblocks with flat lever handle.
Handle size corresponding to each valve as per table art. 084, 084V, 084G and 089B with grey background.

CODICE	MISURA	IMBALLO
084LK01	1	10/400
084LK02	2	10/400
084LK03	3	10/400

Zinc-plated K5 Zamak.
The device is supplied without padlock.
Suitable padlock with long shackle: 6mm / 1/4.

LOCKING DEVICE FOR LOCKABLE FLAT LEVER HANDLE



084PP



CODICE	IMBALLO
084PP03	1/0

084PP - Pin for locking device.
Usable on water or gas valves.



PIN FOR LOCKING DEVICE



INSTALLATION OF THE LOCKING DEVICE FOR LOCKABLE FLAT LEVER HANDLE

When the valve is not equipped with a flat lever handle, it is possible to replace the standard handle as shown in this catalogue, in order to have a lockable valve.

1. Remove the handle from the valve, when you want to have a lockable valve.



2. Replace the handle with the corresponding flat lever handle, in order to have a lockable valve.



3. Place and lock the locking device either on the open or on the shut-off valve.



087



T HANDLE FOR BALL VALVES AND BIBCOCKS



CODICE	MISURA	IMBALLO
0870001	1	20/500
0870002	2	20/500
0870003	3	20/500
0870004	4	10/250

087N



T HANDLE FOR BALL VALVES AND BIBCOCKS



CODICE	MISURA	IMBALLO
0870001N	1	20/500
0870002N	2	20/500
0870003N	3	20/500
0870004N	4	10/250

087V



T HANDLE FOR BALL VALVES AND BIBCOCKS



CODICE	MISURA	IMBALLO
0870001V	1	20/500
0870002V	2	20/500
0870003V	3	20/500

087B



T HANDLE FOR BALL VALVES AND BIBCOCKS



CODICE	MISURA	IMBALLO
0870001B	1	20/500
0870002B	2	20/500
0870003B	3	20/500
0870004B	4	10/250



SIZE OF THE HANDLE CORRESPONDING TO EACH VALVE (087)

Art.	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2
113/114	1	1	1	2	2	-	-
092/093	1	1	1	3	3	4	-
292P/293P	1	1	1	3	3	4	-
118/119	1	1	1	2	3	-	-
082/083	-	-	2	3	3	-	-
131	-	-	1	-	-	-	-
134	-	1	1	2	3	-	-
168	-	-	1	1	-	-	-
176	-	-	1	1	-	-	-
180	-	-	1	1	-	-	-
078/079	1	1	2	3	3	-	-
378/379	1	1	2	3	3	-	-
098	-	-	1	3	3	4	-
298	-	-	1	3	3	-	-
115	-	-	1	2	3	4	4

088



CODICE	MISURA	IMBALLO
0880001	1	10/120
0880002	2	10/120
0880003	3	10/120
0880004	4	10/80
0880005	5	10/50
0880006	6	1/30
0880007	7	1/18

The extended handle in aluminium can be used with the valves indicated in the chart.

EXTENDED HANDLE FOR LINED PIPING

SIZE OF THE HANDLE
CORRESPONDING TO
EACH VALVE (088)

Art.	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
111/112	1	1	1	2	3	3	4	4	6	7	7
090/091	1	1	1	3	3	4	4	5	6	7	7
116/117	1	1	1	3	3	4	4	5	-	-	-
080/081	-	-	2	3	3	4	5	5	-	-	-
076/077	1	1	2	3	3	4	5	5	-	-	-
115	-	-	1	3	3	4	4	5	-	-	-
131/132	-	1	1	2	2	-	-	-	-	-	-
166	-	-	1	1	-	-	-	-	-	-	-
174	-	-	1	1	-	-	-	-	-	-	-
178	-	-	1	1	-	-	-	-	-	-	-
098	-	-	1	3	3	4	4	5	-	-	-
298	-	-	1	3	3	-	-	-	-	-	-
120/121	-	-	-	-	-	-	-	-	7	7	7

125



CODICE	MISURA	PRESSIONE	IMBALLO
1250018	1/8" (DN 6)	10bar/145psi	20/240
1250014	1/4" (DN 8)	10bar/145psi	20/240
1250038	3/8" (DN 10)	10bar/145psi	20/280
1250012	1/2" (DN 15)	10bar/145psi	20/200
1250034	3/4" (DN 20)	10bar/145psi	15/135

Female/female threads.
Body in chrome-plated brass.
Lever handle in polymer.
Minimum and maximum temperature: 0°C; 70°C (maximum operating temperature);
90°C (maximum peak temperature).
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



MINI BALL VALVES

125N



CODICE	MISURA	PRESSIONE	IMBALLO
1250018N	1/8" (DN 6)	10bar/145psi	20/240
1250014N	1/4" (DN 8)	10bar/145psi	20/240
1250038N	3/8" (DN 10)	10bar/145psi	20/280
1250012N	1/2" (DN 15)	10bar/145psi	20/200
1250034N	3/4" (DN 20)	10bar/145psi	15/135

Female/female threads.
Body in chrome-plated brass.
Lever handle in polymer.
Minimum and maximum temperature: 0°C; 70°C (maximum operating temperature);
90°C (maximum peak temperature).
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



MINI BALL VALVES

126



CODICE	MISURA	PRESSIONE	IMBALLO
1260018	1/8" (DN 6)	10bar/145psi	20/280
1260014	1/4" (DN 8)	10bar/145psi	20/280
1260038	3/8" (DN 10)	10bar/145psi	20/280
1260012	1/2" (DN 15)	10bar/145psi	20/220
1260034	3/4" (DN 20)	10bar/145psi	15/135

Male/female threads.
Body in chrome-plated brass.
Lever handle in polymer.
Minimum and maximum temperature: 0°C; 70°C (maximum operating temperature);
90°C (maximum peak temperature).
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



MINI BALL VALVES

126N



CODICE	MISURA	PRESSIONE	IMBALLO
1260018N	1/8" (DN 6)	10bar/145psi	20/280
1260014N	1/4" (DN 8)	10bar/145psi	20/280
1260038N	3/8" (DN 10)	10bar/145psi	20/280
1260012N	1/2" (DN 15)	10bar/145psi	20/220
1260034N	3/4" (DN 20)	10bar/145psi	15/135

Male/female threads.
Body in chrome-plated brass.
Lever handle in polymer.
Minimum and maximum temperature: 0°C; 70°C (maximum operating temperature);
90°C (maximum peak temperature).
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



MINI BALL VALVES

128



Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.

With L ball.

CODICE	MISURA	PRESSIONE	IMBALLO
1280014L	1/4" (DN 8)	55bar/797.5psi	4/24
1280038L	3/8" (DN 10)	55bar/797.5psi	4/24
1280012L	1/2" (DN 15)	50bar/725psi	4/24
1280034L	3/4" (DN 20)	50bar/725psi	2/12
1280100L	1" (DN 25)	45bar/652.5psi	2/12
1280114L	1"1/4 (DN 32)	35bar/507.5psi	2/12
1280112L	1"1/2 (DN 40)	35bar/507.5psi	2/4
1280200L	2" (DN 50)	35bar/507.5psi	2/2

With T ball.

CODICE	MISURA	PRESSIONE	IMBALLO
1280014T	1/4" (DN 8)	55bar/797.5psi	4/24
1280038T	3/8" (DN 10)	55bar/797.5psi	4/24
1280012T	1/2" (DN 15)	50bar/725psi	4/24
1280034T	3/4" (DN 20)	50bar/725psi	2/12
1280100T	1" (DN 25)	45bar/652.5psi	2/12
1280114T	1"1/4 (DN 32)	35bar/507.5psi	2/12
1280112T	1"1/2 (DN 40)	35bar/507.5psi	2/4
1280200T	2" (DN 50)	35bar/507.5psi	2/2

Female/female/female threads.
Lever handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -10°C, 120°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



3-WAY BALL VALVE

156



Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.

CODICE	MISURA	PRESSIONE	IMBALLO
1560012	1/2" (DN 15)	16bar/232psi	12/96
1560034	3/4" (DN 20)	16bar/232psi	8/64
1560100	1" (DN 25)	16bar/232psi	5/40
1560114	1"1/4 (DN 32)	16bar/232psi	4/24
1560112	1"1/2 (DN 40)	16bar/232psi	2/16
1560200	2" (DN 50)	16bar/232psi	2/12
1560212	2"1/2 (DN 65)	16bar/232psi	1/8
1560300	3" (DN 80)	16bar/232psi	1/8
1560400	4" (DN 100)	16bar/232psi	1/4

Female/female threads.
Handwheel in aluminium.
Body in brass.
Minimum and maximum working temperatures: 0°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



BRASS GATE VALVE PN16

VOLA



CODICE	MISURA	IMBALLO	SARAC.
VOLA050	050	1/150	1/2"
VOLA060	060	1/150	3/4"
VOLA060	060	1/150	1"
VOLA070	070	1/150	1"1/4
VOLA070	070	1/150	1"1/2
VOLA080	080	1/150	2"
VOLA100	100	1/100	2"1/2
VOLA100	100	1/100	3"
VOLA120	120	1/100	4"

Handwheel made of epoxy painted aluminium.

HANDWHEEL FOR GATE VALVE ART. 156

131



Patented - Heavy model.
High resistance against freeze.

CODICE	MISURA	PRESSIONE	IMBALLO
1310012	1/2" (DN 15)	15bar/217.5psi	10/50

Body in nickel-plated brass.
Hose connection in nylon.
Lever handle in aluminium.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

SPIN HOSE BIBCOCK WITH MOBILE CONNECTION



TECHNICAL FEATURES



360° turn. It avoids the garden hose flattening.



Ergonomic handle

High resistance against freeze

132



Available sizes: 3/8"x3/4", 1/2"x3/4", 3/4"x1", 1"x1"1/4

CODICE	MISURA	PRESSIONE	IMBALLO
1320038	3/8" (DN 10)	15bar/217.5psi	10/60
1320012	1/2" (DN 15)	15bar/217.5psi	10/60
1320034	3/4" (DN 20)	15bar/217.5psi	6/48
1320100	1" (DN 25)	12bar/174psi	4/24

Body in nickel-plated brass.
Hose connection in metal.
Lever handle in steel.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

BALL HOSE BIBCOCK



132N



Available sizes: 3/8"x3/4", 1/2"x3/4", 3/4"x1", 1"x1"1/4

CODICE	MISURA	PRESSIONE	IMBALLO
1320038N	3/8" (DN 10)	15bar/217.5psi	10/60
1320012N	1/2" (DN 15)	15bar/217.5psi	10/60
1320034N	3/4" (DN 20)	15bar/217.5psi	6/48
1320100N	1" (DN 25)	12bar/174psi	4/24

Body in nickel-plated brass.
Hose connection in metal.
Lever handle in steel.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

BALL HOSE BIBCOCK



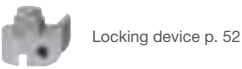
133



Available sizes: 1/2"x3/4", 3/4"x1", 1"x1"1/4

CODICE	MISURA	PRESSIONE	IMBALLO
1330012	1/2" (DN 15)	15bar/217.5psi	10/60
1330034	3/4" (DN 20)	15bar/217.5psi	6/48
1330100	1" (DN 25)	12bar/174psi	4/24

Body in nickel-plated brass.
Hose connection in metal.
Flat lever handle in lined steel.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



Locking device p. 52

BALL HOSE BIBCOCK



134



Available sizes: 3/8"x3/4", 1/2"x3/4", 3/4"x1", 1"x1"1/4

CODICE	MISURA	PRESSIONE	IMBALLO
1340038	3/8" (DN 10)	15bar/217.5psi	10/80
1340012	1/2" (DN 15)	15bar/217.5psi	10/80
1340034	3/4" (DN 20)	15bar/217.5psi	6/48
1340100	1" (DN 25)	12bar/174psi	4/24

Body in nickel-plated brass.
Hose connection in metal.
T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

BALL HOSE BIBCOCK



166



GAR BALL HOSE BIBCOCK

Available sizes: 1/2"x3/4", 3/4"x1"

CODICE	MISURA	PRESSIONE	IMBALLO
1660012	1/2" (DN 15)	15bar/217.5psi	15/75
1660034	3/4" (DN 20)	15bar/217.5psi	10/50

Body in nickel-plated brass.
Hose connection in metal.
Lever handle in steel.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



168



GAR BALL HOSE BIBCOCK

Available sizes: 1/2"x3/4", 3/4"x1"

CODICE	MISURA	PRESSIONE	IMBALLO
1680012	1/2" (DN 15)	15bar/217.5psi	15/75
1680034	3/4" (DN 20)	15bar/217.5psi	10/50

Body in nickel-plated brass.
Hose connection in metal.
T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



166N



GAR BALL HOSE BIBCOCK

Available sizes: 1/2"x3/4", 3/4"x1"

CODICE	MISURA	PRESSIONE	IMBALLO
1660012N	1/2" (DN 15)	15bar/217.5psi	15/75
1660034N	3/4" (DN 20)	15bar/217.5psi	10/50

Body in nickel-plated brass.
Hose connection in metal.
Lever handle in steel.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



174



GAR BALL HOSE BIBCOCK

Available sizes: 1/2"x3/4", 3/4"x1"

CODICE	MISURA	PRESSIONE	IMBALLO
1740012	1/2" (DN 15)	15bar/217.5psi	15/75
1740034	3/4" (DN 20)	15bar/217.5psi	10/50

Body in nickel-plated brass.
Hose connection in nylon.
Lever handle in steel.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



166ERN

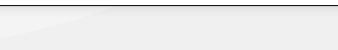


GAR BALL HOSE BIBCOCK

Available sizes: 1/2"x3/4", 3/4"x1"

CODICE	MISURA	PRESSIONE	IMBALLO
1660012ERN	1/2" (DN 15)	15bar/217.5psi	10/60
1660034ERN	3/4" (DN 20)	15bar/217.5psi	10/50

Body in nickel-plated brass.
Hose connection in metal.
Lever handle in aluminium.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



176



GAR BALL HOSE BIBCOCK

Available sizes: 1/2"x3/4", 3/4"x1"

CODICE	MISURA	PRESSIONE	IMBALLO
1760012	1/2" (DN 15)	15bar/217.5psi	15/75
1760034	3/4" (DN 20)	15bar/217.5psi	10/50

Body in nickel-plated brass.
Hose connection in nylon.
T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



167



GAR BALL HOSE BIBCOCK

Available sizes: 1/2"x3/4", 3/4"x1"

CODICE	MISURA	PRESSIONE	IMBALLO
1670012	1/2" (DN 15)	15bar/217.5psi	10/60
1670034	3/4" (DN 20)	15bar/217.5psi	10/50

Body in nickel-plated brass.
Hose connection in metal.
Flat lever handle in lined steel.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



178



Available also with NPT thread in the size 1/2".

GAR BALL HOSE BIBCOCK

Available sizes: 1/2"x3/4", 3/4"x3/4"

CODICE	MISURA	PRESSIONE	IMBALLO
1780012	1/2" (DN 15)	15bar/217.5psi	14/84
1780034	3/4" (DN 20)	15bar/217.5psi	12/72

Body in nickel-plated brass.
Lever handle in steel.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



180

Available sizes: 1/2"x3/4"



Available also with NPT thread in the size 1/2".

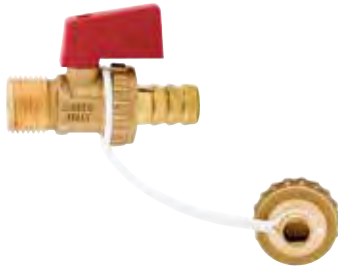
GAR BALL HOSE BIBCOCK

CODICE	MISURA	PRESSIONE	IMBALLO
1800012	1/2" (DN 15)	15bar/217.5psi	15/120

Body in nickel-plated brass.
T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



139R



DRAIN BALL VALVE WITH BRASS HOSE CONNECTION AND NYLON HANDLE

CODICE	MISURA	PRESSIONE	IMBALLO
1390038R	3/8" (DN 10)	10bar/145psi	20/140
1390012R	1/2" (DN 15)	10bar/145psi	20/160
1390034R	3/4" (DN 20)	10bar/145psi	15/120

Body in brass.
Hose connection in brass.
Minimum and maximum working temperatures: -10°C, 90°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



144

Available sizes: 1/2"x3/4", 3/4"x3/4"



BALL HOSE BIBCOCK WITH LOCKPAD EYE

CODICE	MISURA	PRESSIONE	IMBALLO
1440012	1/2" (DN 15)	15bar/217.5psi	8/48
1440034	3/4" (DN 20)	15bar/217.5psi	8/48

Body in nickel-plated brass.
Hose connection in brass.
Lever handle in steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



280



HOSE CONNECTION IN METAL

CODICE	MISURA	IMBALLO
2800034	3/4" (DN 20)	90/720
2800100	1" (DN 25)	50/400
2800114	1"1/4 (DN 32)	20/160

Hose connection in metal.
Min. and max. working temperatures: -20°C, 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

191

Available sizes: 1/2"x3/4", 3/4"x1", 1"x1"1/4



GARDEN HOSE BIBCOCK WITH BRASS CONNECTION

CODICE	MISURA	PRESSIONE	IMBALLO
1910012	1/2" (DN 15)	15bar/217.5psi	12/60
1910034	3/4" (DN 20)	15bar/217.5psi	10/50
1910100	1" (DN 25)	12bar/174psi	5/25

Body in brass.
Hose connection in brass.
T handle in aluminium.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



282



NYLON HOSE CONNECTION

CODICE	MISURA	IMBALLO
2820034	3/4" (DN 20)	100/500
2820100	1" (DN 25)	50/250

Hose connection in nylon.
Min. and max. working temperatures: -20°C, 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

139



DRAIN BALL VALVE WITH BRASS HOSE CONNECTION

CODICE	MISURA	PRESSIONE	IMBALLO
1390038	3/8" (DN 10)	12bar/174psi	20/180
1390012	1/2" (DN 15)	12bar/174psi	20/180
1390034	3/4" (DN 20)	12bar/174psi	10/90

Body in brass.
Hose connection in brass.
Minimum and maximum working temperatures: -15°C, 110°C with air; 0°C, 90°C with water.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



2820



MOBILE HOSE CONNECTION IN NYLON

CODICE	MISURA	IMBALLO
28200340	3/4" (DN 20)	50/400

Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

350L



CODICE	MISURA	PRESSIONE	IMBALLO
3500012L	1/2" (DN 15)	8bar/116psi	10/60

Body in polished brass.
T handle in brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

SUPPLY BIBCOCK



355L



CODICE	MISURA	PRESSIONE	IMBALLO
3550012L	1/2" (DN 15)	8bar/116psi	10/60
3550034L	3/4" (DN 20)	8bar/116psi	5/30

Body in polished brass.
Hose connection in brass.
T handle in brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

HOSE BIBCOCK



355S



CODICE	MISURA	PRESSIONE	IMBALLO
3550012S	1/2" (DN 15)	8bar/116psi	10/60
3550034S	3/4" (DN 20)	8bar/116psi	5/30

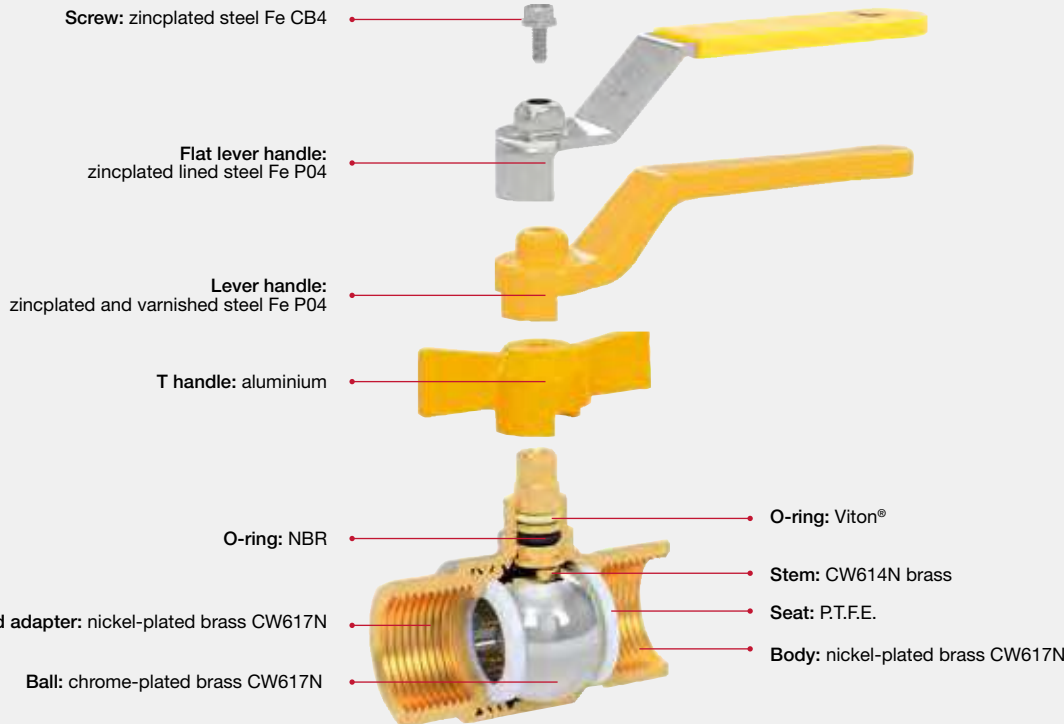
Body in sandblasted/chromed brass.
Hose connection in chromed brass.
T handle in chromed brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

HOSE BIBCOCK





MATERIALS



Ball bore chart
unit in mm

	ITAP	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
LONDON	066	10	10	15	20	25	32	40	50	65	80	100
	067	8	10	15	20	25	32	39	50	63	74	97
	068	10	10	15	20	25	-	-	-	-	-	-
	069	8	10	15	20	25	-	-	-	-	-	-
	266	10	10	15	20	25	32	40	50	-	-	-
	267	8	10	15	20	25	32	39	50	-	-	-



066

EN331 APPROVED (up to 2").

CODICE	MISURA	PRESSIONE	IMBALLO
066B014	1/4" (DN 8)	5bar/72.5psi	12/144
066B038	3/8" (DN 10)	5bar/72.5psi	12/144
066B012	1/2" (DN 15)	5bar/72.5psi	10/90
066B034	3/4" (DN 20)	5bar/72.5psi	8/64
066B100	1" (DN 25)	5bar/72.5psi	6/48
066B114	1"1/4 (DN 32)	5bar/72.5psi	3/24
066B112	1"1/2 (DN 40)	5bar/72.5psi	2/10
066B200	2" (DN 50)	5bar/72.5psi	2/10
1200212G	2"1/2 (DN 65)	18bar/261psi	1/5
1200300G	3" (DN 80)	16bar/232psi	1/3
1200400G	4" (DN 100)	14bar/203psi	1/2

Female/female threads.
Body in nickel-plated brass.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4".



LONDON BALL VALVE, FULL FLOW



067

EN331 APPROVED (up to 2").

CODICE	MISURA	PRESSIONE	IMBALLO
067B014	1/4" (DN 8)	5bar/72.5psi	12/144
067B038	3/8" (DN 10)	5bar/72.5psi	12/144
067B012	1/2" (DN 15)	5bar/72.5psi	10/90
067B034	3/4" (DN 20)	5bar/72.5psi	8/64
067B100	1" (DN 25)	5bar/72.5psi	6/48
067B114	1"1/4 (DN 32)	5bar/72.5psi	2/16
067B112	1"1/2 (DN 40)	5bar/72.5psi	2/10
067B200	2" (DN 50)	5bar/72.5psi	1/5
1210212G	2"1/2 (DN 65)	18bar/261psi	1/5
1210300G	3" (DN 80)	16bar/232psi	1/3
1210400G	4" (DN 100)	14bar/203psi	1/2

Male/female threads.
Body in nickel-plated brass.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4".
Male threads:
- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4".



LONDON BALL VALVE, FULL FLOW

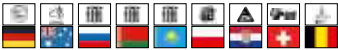


068

EN331 APPROVED.

CODICE	MISURA	PRESSIONE	IMBALLO
068B014	1/4" (DN 8)	5bar/72.5psi	15/180
068B038	3/8" (DN 10)	5bar/72.5psi	15/180
068B012	1/2" (DN 15)	5bar/72.5psi	10/120
068B034	3/4" (DN 20)	5bar/72.5psi	8/80
068B100	1" (DN 25)	5bar/72.5psi	6/48

Female/female threads.
Body in nickel-plated brass.
T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 1".



LONDON BALL VALVE, FULL FLOW



069

EN331 APPROVED.

CODICE	MISURA	PRESSIONE	IMBALLO
069B014	1/4" (DN 8)	5bar/72.5psi	15/180
069B038	3/8" (DN 10)	5bar/72.5psi	15/180
069B012	1/2" (DN 15)	5bar/72.5psi	10/120
069B034	3/4" (DN 20)	5bar/72.5psi	8/72
069B100	1" (DN 25)	5bar/72.5psi	6/48

Male/female threads.
Body in nickel-plated brass.
T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 1".
Male threads:
- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 1".



LONDON BALL VALVE, FULL FLOW

266

EN331 APPROVED (up to 2").



Locking device p. 52

CODICE	MISURA	PRESSIONE	IMBALLO
266B014	1/4" (DN 8)	5bar/72.5psi	12/144
266B038	3/8" (DN 10)	5bar/72.5psi	12/144
266B012	1/2" (DN 15)	5bar/72.5psi	10/90
266B034	3/4" (DN 20)	5bar/72.5psi	8/48
266B100	1" (DN 25)	5bar/72.5psi	6/48
266B114	1"1/4 (DN 32)	5bar/72.5psi	2/18
266B112	1"1/2 (DN 40)	5bar/72.5psi	2/10
266B200	2" (DN 50)	5bar/72.5psi	2/10

Female/female threads.
Body in nickel-plated brass.
Flat lever handle in lined steel.
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".



LONDON BALL VALVE, FULL FLOW

267

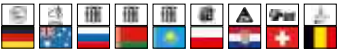
EN331 APPROVED (up to 2").



Locking device p. 52

CODICE	MISURA	PRESSIONE	IMBALLO
267B014	1/4" (DN 8)	5bar/72.5psi	12/144
267B038	3/8" (DN 10)	5bar/72.5psi	12/144
267B012	1/2" (DN 15)	5bar/72.5psi	10/80
267B034	3/4" (DN 20)	5bar/72.5psi	8/48
267B100	1" (DN 25)	5bar/72.5psi	6/48
267B114	1"1/4 (DN 32)	5bar/72.5psi	2/16
267B112	1"1/2 (DN 40)	5bar/72.5psi	2/10
267B200	2" (DN 50)	5bar/72.5psi	1/5

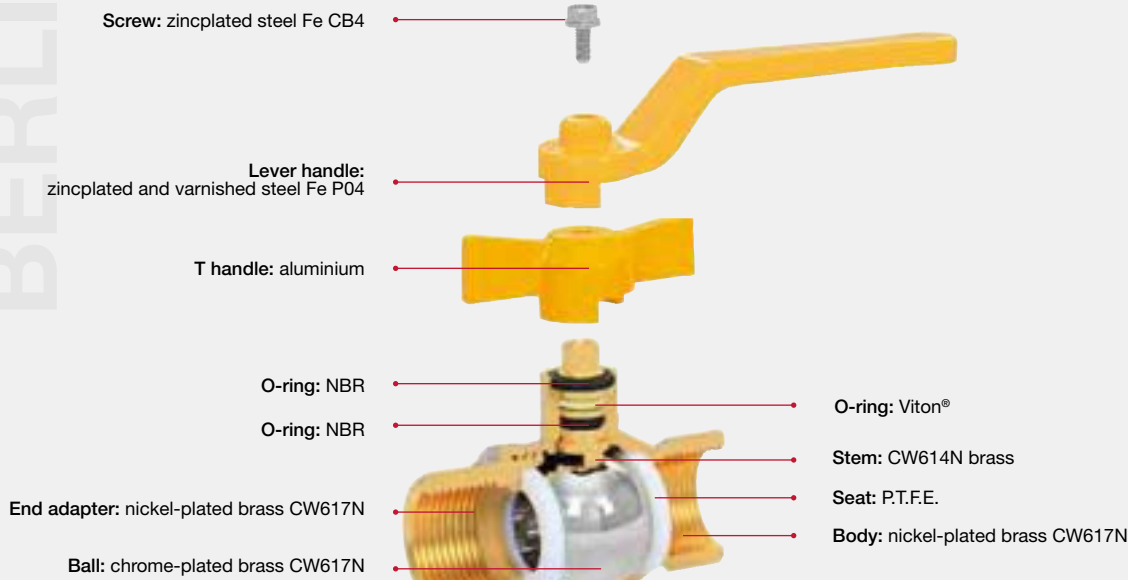
Male/female threads.
Body in nickel-plated brass.
Flat lever handle in lined steel.
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".
Male threads:
- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".



LONDON BALL VALVE, FULL FLOW



MATERIALS



Ball bore chart
unit in mm

	ITAP	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
BERLIN	070	-	-	15	20	25	32	40	50	65	80	100
	071	-	-	15	20	25	32	38	49	63	74	97
	072	-	-	15	20	25	-	-	-	-	-	-
	073	-	-	15	20	25	-	-	-	-	-	-

070

EN331 APPROVED (up to 2").



CODICE	MISURA	PRESSIONE	IMBALLO
070B012	1/2" (DN 15)	5bar/72.5psi	8/72
070B034	3/4" (DN 20)	5bar/72.5psi	6/48
070B100	1" (DN 25)	5bar/72.5psi	4/36
070B114	1"1/4 (DN 32)	5bar/72.5psi	2/16
070B112	1"1/2 (DN 40)	5bar/72.5psi	2/10
070B200	2" (DN 50)	5bar/72.5psi	1/5
1200212G	2"1/2 (DN 65)	18bar/261psi	1/5
1200300G	3" (DN 80)	16bar/232psi	1/3
1200400G	4" (DN 100)	14bar/203psi	1/2

Female/female threads.
Body in nickel-plated brass.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4".



BERLIN BALL VALVE, FULL FLOW

071



EN331 APPROVED (up to 2").

CODICE	MISURA	PRESSIONE	IMBALLO
071B012	1/2" (DN 15)	5bar/72.5psi	8/72
071B034	3/4" (DN 20)	5bar/72.5psi	6/48
071B100	1" (DN 25)	5bar/72.5psi	4/32
071B114	1"1/4 (DN 32)	5bar/72.5psi	2/16
071B112	1"1/2 (DN 40)	5bar/72.5psi	2/10
071B200	2" (DN 50)	5bar/72.5psi	1/5
1210212G	2"1/2 (DN 65)	18bar/261psi	1/5
1210300G	3" (DN 80)	16bar/232psi	1/3
1210400G	4" (DN 100)	14bar/203psi	1/2

Male/female threads.
Body in nickel-plated brass.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4".
Male threads:
- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4".



BERLIN BALL VALVE, FULL FLOW

072



EN331 APPROVED.

CODICE	MISURA	PRESSIONE	IMBALLO
072B012	1/2" (DN 15)	5bar/72.5psi	8/96
072B034	3/4" (DN 20)	5bar/72.5psi	6/54
072B100	1" (DN 25)	5bar/72.5psi	4/36

Female/female threads.
Body in nickel-plated brass.
T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 1".



BERLIN BALL VALVE, FULL FLOW

073



EN331 APPROVED.

CODICE	MISURA	PRESSIONE	IMBALLO
073B012	1/2" (DN 15)	5bar/72.5psi	10/90
073B034	3/4" (DN 20)	5bar/72.5psi	6/54
073B100	1" (DN 25)	5bar/72.5psi	4/32

Male/female threads.
Body in nickel-plated brass.
T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 1".
Male threads:
- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 1".



BERLIN BALL VALVE, FULL FLOW

060



EN331 APPROVED.

CODICE	MISURA	PRESSIONE	IMBALLO
060B012	1/2" (DN 15)	5bar/72.5psi	12/108

Male/male threads.
Fixable T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 60°C.
Male threads ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1).



ANGLE BALL VALVES FOR GAS

062



CODICE	MISURA	PRESSIONE	IMBALLO
062B012	1/2" (DN 15)	5bar/72.5psi	12/108

Threads: male/revolving female nut.
Fixable T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 60°C.
Female thread ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male thread ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1).



ANGLE BALL VALVES FOR GAS WITH REVOLVING NUT

086G



CODICE	MISURA	IMBALLO
0860001G	1	20/400
0860002G	2	20/400
0860003G	3	20/300
0860004G	4	10/100
0860005G	5	10/100
0860006G	6	1/75
0860007G	7	1/35



LEVER HANDLE FOR BALL VALVES



SIZE OF THE HANDLE CORRESPONDING TO EACH VALVE (086G)

Art.	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
070/071	-	-	2	3	3	4	5	5	7	7	7
066/067	1	1	2	3	3	4	5	5	7	7	7
120/121	-	-	-	-	-	-	-	-	7	7	7

084G



FLAT LEVER HANDLE FOR BALL VALVES

CODICE	MISURA	IMBALLO
0840001G	1	20/400
0840002G	2	20/400
0840003G	3	20/300
0840004G	4	10/100
0840005G	5	10/100



Locking device p. 52



SIZE OF THE HANDLE
CORRESPONDING TO
EACH VALVE (084G)

Art.	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
070/071	-	-	2	3	3	4	5	5
066/067	1	1	2	3	3	4	5	5
266/267	1	1	2	3	3	4	5	5

087G



T HANDLE FOR BALL VALVES

CODICE	MISURA	IMBALLO
0870001G	1	20/500
0870002G	2	20/500
0870003G	3	20/500



SIZE OF THE HANDLE
CORRESPONDING TO
EACH VALVE (087G)

Art.	1/4"	3/8"	1/2"	3/4"	1"
072/073	-	-	2	3	3
068/069	1	1	2	3	3

992



GAS LEAK DETECTOR WITH OPTICAL-
ACOUSTIC ALARM AND RELAY
CONTROL

CODICE	MISURA	IMBALLO
992M	-	1/12
992G	-	1/12

AVAILABLE FOR METHANE GAS AND LPG.
Leds: power supply (green), failure (yellow), alarm (red).
Optical (red led) and acoustic (internal buzzer 87dBA) alarms.
Provided with reley output.
Power supply voltage: 230V.
Max electrical input: 20mA 230Vac.
Max relay contact load: 8A 250Vac/30Vcc.
Class of protection: IP42.
Working temperature: -10°C, 40°C.
Working relative humidity: 30%, 90%.
Alarm level: gas concentration equal to 10% of L.E.L. (Low Exposition Limit).
4 years after installation date the device must be put out of order and replaced with a new unit.
Dimension: 138x85x44 mm.
According to CEI UNI EN 50194.



993M



SOLENOID SAFETY VALVE, NORMALLY
OPEN

METHANE GAS

CODICE	MISURA	PRESSIONE	IMBALLO
9930012M	1/2" (DN 15)	550mbar/8psi	1/17
9930034M	3/4" (DN 20)	550mbar/8psi	1/0
9930100M	1" (DN 25)	550mbar/8psi	1/0
9930114M	1"1/4 (DN 32)	550mbar/8psi	1/0
9930112M	1"1/2 (DN 40)	550mbar/8psi	1/0
9930200M	2" (DN 50)	550mbar/8psi	1/0

Body in brass.
Class of protection: IP65.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Power supply voltage: 230V.
Power input: 17 VA and 19 W.
Working temperature: -15°C, 70°C.
Closing time: <1sec.
Maximum working pressure: 550mbar.
Manual reset in compliance with CEI UNI EN 50194 regulation.
Approved under directive PED 97/23/CE.



993G



SOLENOID SAFETY VALVE, NORMALLY
OPEN

LPG

CODICE	MISURA	PRESSIONE	IMBALLO
9930012G	1/2" (DN 15)	6bar/87psi	1/17
9930034G	3/4" (DN 20)	6bar/87psi	1/0
9930100G	1" (DN 25)	6bar/87psi	1/0
9930114G	1"1/4 (DN 32)	6bar/87psi	1/0
9930112G	1"1/2 (DN 40)	6bar/87psi	1/0
9930200G	2" (DN 50)	6bar/87psi	1/0

Body in brass.
Class of protection: IP65.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Power supply voltage: 230V.
Power input: 17 VA and 19 W.
Working temperature: -15°C, 70°C.
Closing time: <1sec.
Maximum working pressure: 6bar.
Manual reset in compliance with CEI UNI EN 50194 regulation.
Approved under directive PED 97/23/CE.



998



GAS SAFETY KIT

METHANE GAS

CODICE	MISURA	PRESSIONE	IMBALLO
9980012M	1/2" (DN 15)	550mbar/8psi	1/5
9980034M	3/4" (DN 20)	550mbar/8psi	1/5

LPG

CODICE	MISURA	PRESSIONE	IMBALLO
9980012G	1/2" (DN 15)	6bar/87psi	1/5
9980034G	3/4" (DN 20)	6bar/87psi	1/5

AVAILABLE FOR METHANE GAS AND LPG.
Consisting of a gas leak detector (Art. 992),
and a solenoid safety valve - normally open, 230 Vac (Art. 993M or Art. 993G).



CHROME-PLATED
BIBCOCKS

Build-in valves	76
Supply-stops	77
Stainless steel rosette	78
Washing machine ball valves	79-81



340



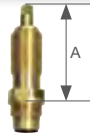
BUILD-IN VALVE WITH BLIND CAP

CODICE	MISURA	PRESSIONE	IMBALLO
3400012	1/2" (DN 15)	20bar/290psi	6/48
3400034	3/4" (DN 20)	15bar/217.5psi	6/30

Female/female threads.
Body in brass.
Cover plate and cap in chrome-plated ABS.
Minimum and maximum working temperatures: 0°C, 110°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



PROL340



SPACER

CODICE	IMBALLO
PROL340	1/150

Thread: 19x19Fx1".
Length A: 59 mm.

Suitable for art. 340.

345



BUILD-IN VALVE WITH HANDLE

CODICE	MISURA	PRESSIONE	IMBALLO
3450012	1/2" (DN 15)	20bar/290psi	4/32
3450034	3/4" (DN 20)	15bar/217.5psi	4/20

Female/female threads.
Body in brass.
Cover plate and handle in chrome-plated ABS.
Minimum and maximum working temperatures: 0°C, 110°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



136



BUILD-IN VALVE WITH BLIND CAP

CODICE	MISURA	PRESSIONE	IMBALLO
1360012	1/2" (DN 15)	30bar/435psi	8/48
1360034	3/4" (DN 20)	25bar/362.5psi	5/30

Full flow.
Female/female threads.
Body in brass.
Cover plate and cap in chrome-plated brass.
Minimum and maximum working temperatures: 0°C, 110°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



138



BUILD-IN VALVE WITH HANDLE

CODICE	MISURA	PRESSIONE	IMBALLO
1380012	1/2" (DN 15)	30bar/435psi	8/48
1380034	3/4" (DN 20)	25bar/362.5psi	5/30
1380100	1" (DN 25)	25bar/362.5psi	4/24

Full flow.
Female/female threads.
Body in brass.
Cover plate in stainless steel.
Lever handle in chrome-plated brass.
Minimum and maximum working temperatures: 0°C, 110°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



PROL136



SPACER

CODICE	IMBALLO
PROL136	1/150

Thread: 22x19Fx1".
Length A: 37,5 mm.

Suitable for art. 136 and 138 - 1/2" and 3/4".

346



SUPPLY STOP

CODICE	MISURA	PRESSIONE	IMBALLO
3460012	1/2" (DN 15)	8bar/116psi	10/120

Available size 1/2"x1/2".
Male thread.
Body in chrome-plated brass.
Cover plate in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



348



SUPPLY STOP WITH NUT AND WASHER

CODICE	MISURA	PRESSIONE	IMBALLO
3480012	1/2" (DN 15)	8bar/116psi	10/140

Available size 1/2"x mm.10.
Male thread.
Body in chrome-plated brass.
Cover plate in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



348SD



SUPPLY STOP WITHOUT NUT

CODICE	MISURA	PRESSIONE	IMBALLO
3480012SD	1/2" (DN 15)	8bar/116psi	10/120

Available size 1/2"x 3/8".
Male thread.
Body in chrome-plated brass.
Cover plate in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



385



BALL SUPPLY STOP WITH STRAINER

CODICE	MISURA	PRESSIONE	IMBALLO
3850012	1/2" (DN 15)	8bar/116psi	10/120

Available size 1/2"x mm.10.
Male thread.
Body in chrome-plated brass.
Metal handle.
Cover plate in stainless steel.
Built-in strainer in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



386



BALL SUPPLY STOP WITH ARTICULATED CONNECTION

CODICE	MISURA	PRESSIONE	IMBALLO
3860012	1/2" (DN 15)	8bar/116psi	10/90

Available size 1/2"x mm.10.
Male thread.
Body in chrome-plated brass.
Metal handle.
Cover plate in stainless steel.
Built-in strainer in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



387



CODICE	MISURA	PRESSIONE	IMBALLO
3870012	1/2" (DN 15)	8bar/116psi	1/38

Male thread.
Body in chrome-plated brass.
Cover plate in stainless steel.
Minimum and maximum working temperature: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

SUPPLY STOP AND WASHING MACHINE VALVE



906



CODICE	MISURA	PRESSIONE	IMBALLO
9060012	1/2" (DN 15)	8bar/116psi	10/90

Available size 1/2"x mm.10.
Male thread.
Body in chrome-plated brass.
Metal handle.
Cover plate in stainless steel.
Built-in strainer in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

BALL SUPPLY STOP WITH STRAINER



906SD



CODICE	MISURA	PRESSIONE	IMBALLO
9060012SD	1/2" (DN 15)	8bar/116psi	10/90

Available size 1/2"x 3/8".
Male thread.
Body in chrome-plated brass.
Metal handle.
Cover plate in stainless steel.
Built-in strainer in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

BALL SUPPLY STOP WITH STRAINER WITHOUT NUT



285



CODICE	MISURA	IMBALLO
2850012	1/2" (DN 15)	100/1500

STAINLESS STEEL ROSETTE



220



CODICE	MISURA	PRESSIONE	IMBALLO
2200012U	1/2" (DN 15)	8bar/116psi	6/48

Available size: 1/2"x3/4".
Male thread for washing machine.
Body in chrome-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

WASHING MACHINE VALVE



225



CODICE	MISURA	PRESSIONE	IMBALLO
2250012	1/2" (DN 15)	16bar/232psi	12/96

Available size: 1/2"x3/4".
Male thread for washing machine.
Body in chrome-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

HORIZONTAL WASHING MACHINE VALVE, HEAVY PATTERN



226



CODICE	MISURA	PRESSIONE	IMBALLO
2260012	1/2" (DN 15)	16bar/232psi	12/108

Available size: 1/2"x3/4".
Male thread for washing machine.
Body in chrome-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

HORIZONTAL WASHING MACHINE VALVE



228



CODICE	MISURA	PRESSIONE	IMBALLO
2280012	1/2" (DN 15)	16bar/232psi	12/108

Available size: 1/2"x3/4".
Male thread for washing machine.
Body in chrome-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

INCLINED WASHING MACHINE VALVE



230



ONE-PIECE SPACER FOR FAUCETS

CODICE	MISURA	PRESSIONE	IMBALLO
2300034C	3/4" (DN 20)	16bar/232psi	6/72

Available size 3/4"x3/4"x3/4".
Male thread for washing machine.
Body in chrome-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



240



WASHING MACHINE AND DISHWASHER VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
2400012U	1/2" (DN 15)	16bar/232psi	6/36

Available size 1/2"x3/4"x3/4".
Male thread for washing machine/dishwasher.
Body in chrome-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



250



WASHING MACHINE VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
2500012	1/2" (DN 15)	16bar/232psi	12/96

Available size 1/2"x3/4".
Male thread for washing machine.
Body in chrome-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



255



3-WAY WASHING MACHINE VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
2550012	1/2" (DN 15)	16bar/232psi	10/90

Available size 1/2"x3/4".
Male thread for washing machine.
Body in chrome-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



390



DRAIN TRAP FOR WASHING MACHINES

CODICE	MISURA	PRESSIONE	IMBALLO
3900034	3/4" (DN 20)	16bar/232psi	6/42

Body in chrome-plated brass.
Cover plate in stainless steel.
Spring: stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.



391



WASHING MACHINE BALL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
3910012	1/2" (DN 15)	16bar/232psi	12/144

Metal handle.
Available size: 1/2"x1/2".
Male/male threads.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 110°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



392



Available also with NPT thread.

WASHING MACHINE BALL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
3920012	1/2" (DN 15)	16bar/232psi	12/144

Metal handle.
Available size: 1/2"x3/4".
Male/male threads.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 110°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



488



ANGLE VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
4880012	1/2" (DN 15)	16bar/232psi	10/120

Available size: 1/2"x1/2".
Male thread.
Body in chrome-plated brass.
Handle in chrome-plated ABS.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



706

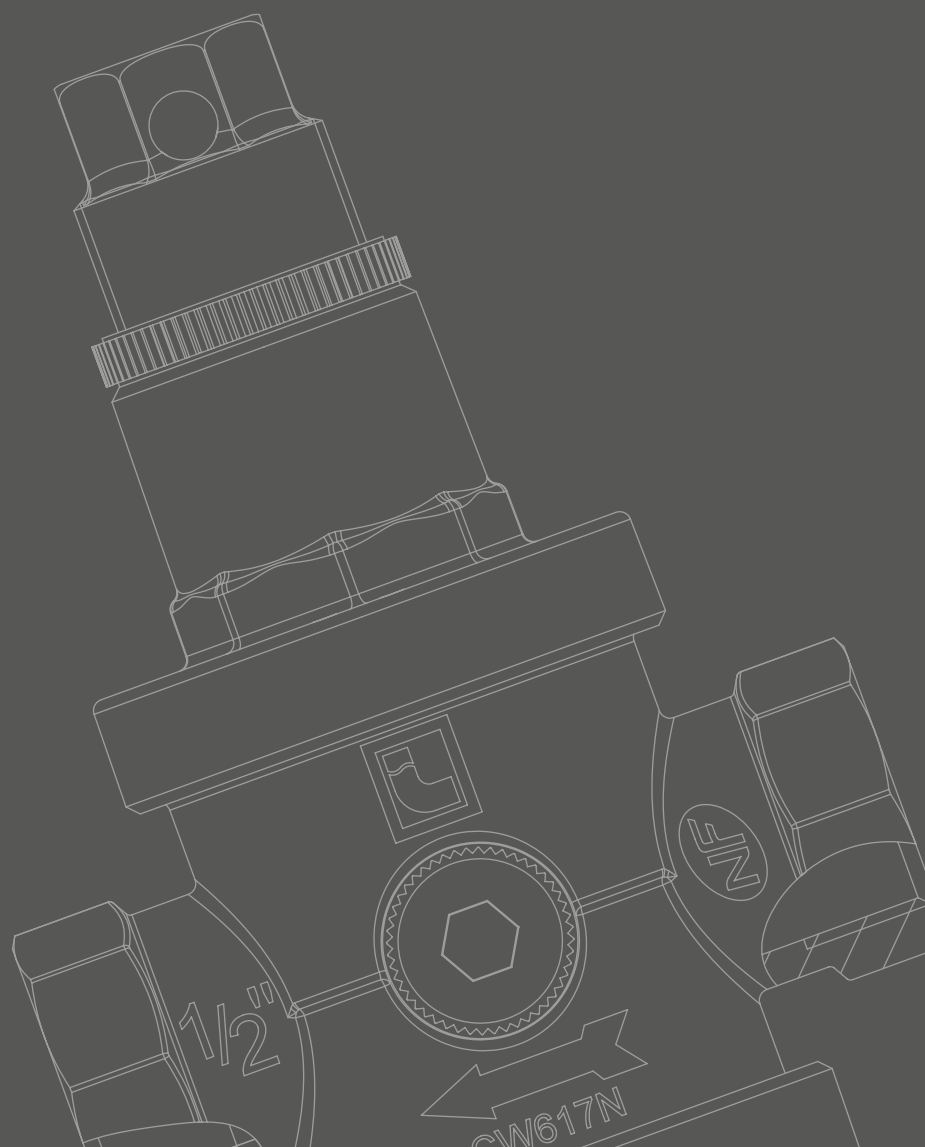


WASHING MACHINE BALL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
7060012	1/2" (DN 15)	8bar/116psi	10/90

Available size: 1/2"x3/4".
Male/male threads.
Body in chrome-plated brass.
Metal handle.
Cover plate in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).





POLYPHOSPHATE PROPORTIONAL DOSER,
MAGNETIC DIRT SEPARATOR,AUTOMATIC
FILLING UNIT, PRESSURE
REDUCING VALVES AND STRAINERS

Polyphosphate proportional doser	84-85
Magnetic dirt separator	86-89
Automatic filling unit	90-91
Pressure reducing valves	92-94
Y strainers	95-97
Self-cleaning strainer	98



TECHNICAL
FEATURES



POLYPHOSPHATE PROPORTIONAL DOSER

The polyphosphate proportional dosing unit, produced by Itap, is used for descaling treatments in domestic hot water production systems. For correct installation, it must be placed on the cold water pipe entering the boiler and, in general, entering heat generators (boilers and water-heaters). It can also be installed on pipes entering washing machines and dishwashers.

INTEGRATED BY-PASS

INTEGRATED AIR-VENT VALVE

SUITABLE FOR HORIZONTAL AND
VERTICAL PIPES INSTALLATION

EASY REFILLING

REDUCED OVERALL DIMENSIONS

ADVANTAGES

PROTECTED AGAINST BUILUP OF LIMESCALE



LONGER LIFE OF
THE SYSTEM

SAVINGS ON
ENERGY BILLS

IMPROVED
BOILERS
PERFORMANCE

187



1 refill included.

POLYPHOSPHATE PROPORTIONAL
DOSER I-DOSER

POLYPHOSPHATE PROPORTIONAL DOSER
The polyphosphate proportional dosing unit, produced by Itap, is used for descaling treatments in domestic hot water production systems. For correct installation, it must be placed on the cold water pipe entering the boiler and, in general, entering heat generators (boilers and water-heaters). It can also be installed on pipes entering washing machines and dishwashers.

CODICE	MISURA	PRESSIONE	IMBALLO
1870012	1/2"x1/2"	8bar/116psi	1/11

Available size: 1/2"x1/2".
Compatible fluids: water.
Maximum flow rate: 1.5 m³/h.
Maximum pressure: 8 bar.
Water temperature: 5 – 30°C.
Threaded fitting: brass CW617N.
Transparent cup: SAN.
Bellows: VMQ.
O-ring: EPDM.

187CA



CODICE	IMBALLO
187CA	4/88

I-DOSER POLYPHOSPHATE SOLID
REFILL

MATERIALS





TECHNICAL
FEATURES



MAGNETIC COMPACT DIRT SEPARATOR

Dirt separators are by now common components in Euroapen installations; ITAP introduces today iMAG, after accurate market studies and projects that guarantee the best features:

- right dimension for installations in small spaces, perfect for under-boiler;
- stainless steel strainer (800µm), perfect to stop the larger impurities;
- suitable for vertical and horizontal installations, with the best filtration guaranteed;
- integrated drain valve for an easy and fast maintenance;
- strong magnet (12.000G) with large contact surface to stop every iron particle and easy-to remove to avoid disassembling before cleaning;
- large debris collection capacity to guarantee the water slowing in order to stop all impurities.

LARGE MAGNETIC SURFACE

LARGE DEBRIS COLLECTION CAPACITY

INTEGRATED DRAIN COCK

OPTIMAL FILTRATION IN EVERY
INSTALLATION POSITION



FLOWS

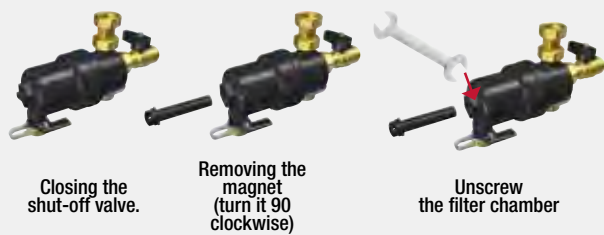


CLEANING AND
MAINTENANCE

ORDINARY MAINTENANCE



ANNUAL MAINTENANCE



MATERIALS



188



MAGNETIC COMPACT DIRT
SEPARATOR I-MAG

CODICE	MISURA	PRESSIONE	IMBALLO
1880034	3/4"	3bar/43,5psi	1/11

Polymer body.
Stainless steel AISI 304 cartridge
Neodymium magnet: 12000 G.
Maximum working pressure: 3 bar.
Maximum working temperature: 90°C.
Equipped with adjusting female fitting and ball valve with swiveling nut.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



MATERIALS





MOUNTING POSITIONS





CLEANING AND MAINTENANCE



To inspect the dirt separator completely or clean/replace the filter cartridge, you can remove the top cap completely with the provided wrench



188SR



MULTIFUNCTION MAGNETIC DIRT SEPARATOR

- VORTEX ACTION
- MAGNETIC ACTION
- STRAINER ACTION

CODICE	MISURA	PRESSIONE	IMBALLO
1880100SR	1"	3bar/43,5psi	1/3

Polymer body.
Stainless steel AISI 304 cartridge
Neodymium magnet: 14000 G.
Maximum working pressure: 3 bar.
Maximum working temperature: 90°C.
Threads body: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228);

MAGNETIC DIRT SEPARATOR I-MAG XL



188S



MULTIFUNCTION MAGNETIC DIRT SEPARATOR

- VORTEX ACTION
- MAGNETIC ACTION
- STRAINER ACTION

CODICE	MISURA	PRESSIONE	IMBALLO
1880034S	3/4"	3bar/43,5psi	1/3
1880100S	1"	3bar/43,5psi	1/3

Polymer body.
Stainless steel AISI 304 cartridge
Neodymium magnet: 14000 G.
Maximum working pressure: 3 bar.
Maximum working temperature: 90°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

MAGNETIC DIRT SEPARATOR I-MAG XL



COP188S



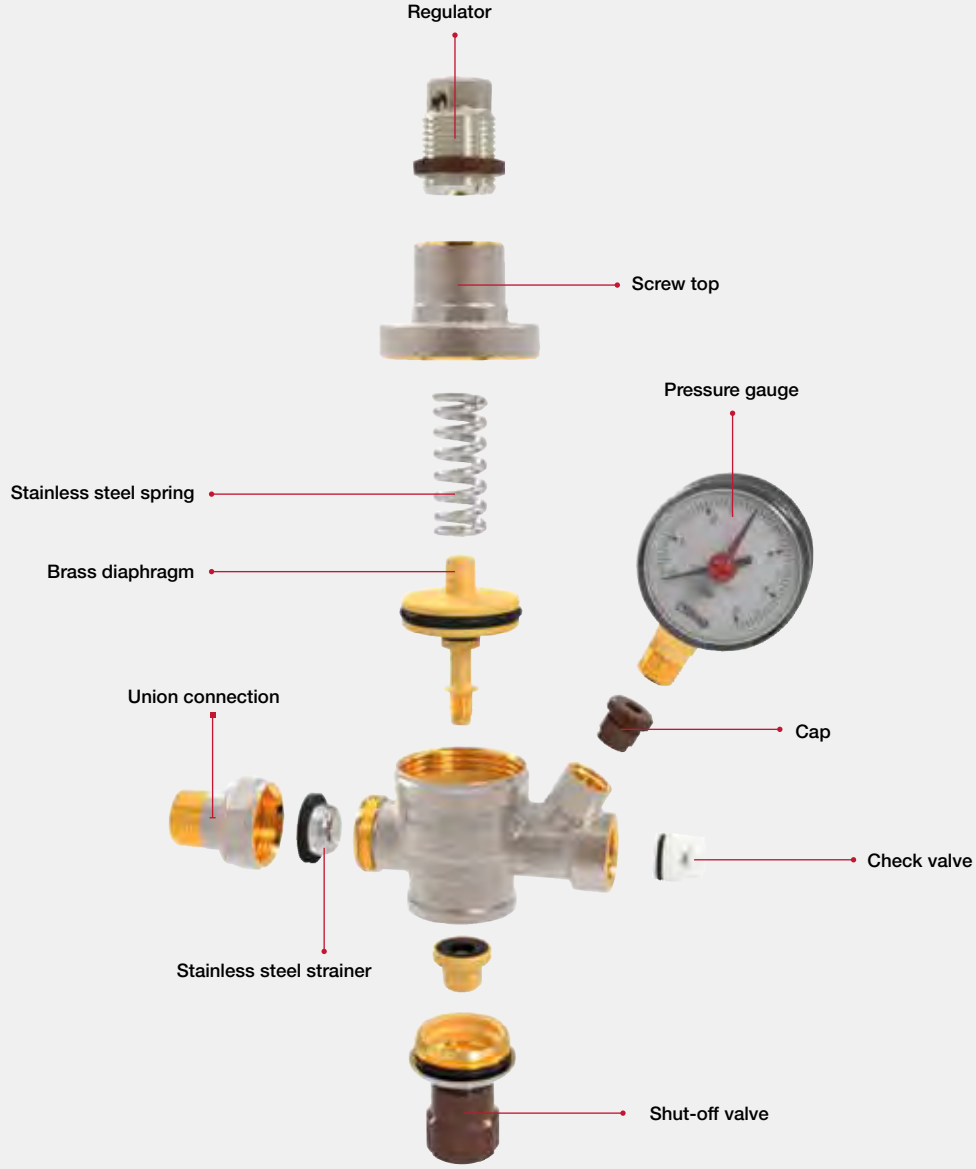
CODICE	IMBALLO
COP188S	1/3

Insulation shells made of polymer.

INSULATION SHELLS FOR MAGNETIC DIRT SEPARATOR IMAG-XL



MATERIALS





TECHNICAL FEATURES



CHECK VALVE
Made of high-flow polymer, it allows for a small footprint because it is included in the body of the unit and avoids draining the system in case of maintenance and fluid returns to the circuit.



SHUT-OFF VALVE
In an extremely convenient location, it allows rapid restoration of the system's pressure.



STAINLESS STEEL STRAINER
Equipped with a micro-perforated stainless steel filter so as to block all impurities and ensure the proper operation of the filling unit at all times.



146



AUTOMATIC FILLING UNIT
IT IS INSTALLED TO MAINTAIN THE HEATING SYSTEM PRESSURE STABLE AT A SET VALUE, AUTOMATICALLY TOPPING UP WITH WATER, AS REQUIRED

CODICE	MISURA	PRESSIONE	IMBALLO
1460012	1/2" (DN 15)	16bar/232psi	1/12

Equipped with shut-off valve, stainless steel filter and check valve.
Piston operation.
Body in brass.
Minimum and maximum working temperature: 0°C, 80°C.
Maximum inlet pressure: 16 bar.
Outlet pressure can be adjusted between 0,5 and 4 bar
Factory preset: 1,5 bar.
Pressure gauge threaded connection 1/4".
Pressure gauge: scale (0-6) bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



146SM



AUTOMATIC FILLING UNIT WITHOUT PRESSURE GAUGE.
IT IS INSTALLED TO MAINTAIN THE HEATING SYSTEM PRESSURE STABLE AT A SET VALUE, AUTOMATICALLY TOPPING UP WITH WATER, AS REQUIRED

CODICE	MISURA	PRESSIONE	IMBALLO
1460012SM	1/2" (DN 15)	16bar/232psi	1/22

Equipped with shut-off valve, stainless steel filter and check valve.
Piston operation.
Body in brass.
Minimum and maximum working temperature: 0°C, 80°C.
Maximum inlet pressure: 16 bar.
Outlet pressure can be adjusted between 0,5 and 4 bar
Factory preset: 1,5 bar.
Pressure gauge threaded connection 1/4".
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



INSTALLATION

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems. It can be installed in any position: vertical, horizontal, oblique.

For a right installation, we suggest to use just one pressure reducing valve for pressure inlet values up to 16 bar. If inlet pressure values are higher we suggest to use two pressure reducing valves in series.

**A strainer should be installed before the pressure reducing valve. (Please see the following charts).
IN CASE OF NOT COMPLIANCE WITH SUCH INSTALLATION, OUR COMPANY WILL NOT BE RESPONSABLE OF ANY DAMAGES TO OUR PRESSURE REDUCING VALVES.**

Installation art.192 or 193 + art.515 + art.143



Installation art.192 or 193 + art.143MM



Installation art.192 or 193 + art.515 + art.243



143



Available also with NPT thread in the sizes 2"1/2 - 3" - 4".
NF approved in 1/2" and 3/4" sizes.

CODICE	MISURA	PRESSIONE	IMBALLO
1430012	1/2" (DN 15)	25bar/362.5psi	1/22
1430034	3/4" (DN 20)	25bar/362.5psi	1/22
1430100	1" (DN 25)	25bar/362.5psi	1/12
1430114	1"1/4 (DN 32)	25bar/362.5psi	1/6
1430112	1"1/2 (DN 40)	25bar/362.5psi	1/6
1430200	2" (DN 50)	25bar/362.5psi	1/3
1430212	2"1/2 (DN 65)	25bar/362.5psi	1/2
1430300	3" (DN 80)	25bar/362.5psi	1/2
1430400	4" (DN 100)	25bar/362.5psi	1/2

Compensated piston operation.
Female/female threads.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Maximum inlet pressure: 25 bar.
Outlet pressure:
1/2" - 3/4" - 1" between 1 and 5,5 bar.
1"1/4 through 4" between 1 and 6 bar.
Factory preadjustment 3 bar.
Outlet pressure gauge connection 1/4" on both sides.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

EUROPRESS PRESSURE REDUCING VALVE



143MM



Multithread model available in 1/2" size.
NF approved in 1/2" and 3/4" sizes.

EUROPRESS PRESSURE REDUCING VALVE WITH UNION CONNECTION

CODICE	MISURA	PRESSIONE	IMBALLO
1430012MM	1/2" (DN 15)	25bar/362.5psi	1/22
1430034MM	3/4" (DN 20)	25bar/362.5psi	1/22
1430100MM	1" (DN 25)	25bar/362.5psi	1/12
1430114MM	1"1/4 (DN 32)	25bar/362.5psi	1/6
1430112MM	1"1/2 (DN 40)	25bar/362.5psi	1/6
1430200MM	2" (DN 50)	25bar/362.5psi	1/3

Compensated piston operation.
Union connections.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Maximum inlet pressure: 25 bar.
Outlet pressure:
1/2" - 3/4" - 1" between 1 and 5,5 bar.
1"1/4 through 2" between 1 and 6 bar.
Factory preadjustment 3 bar.
Outlet pressure gauge connection 1/4" on both sides.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



243

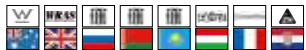


Watermark and WRAS approved in 1/2 " , 3/4" and 1 " sizes.
WRAS approved to 16 bar.
Watermark approved to 20 bar.

EUROPRESS PRESSURE REDUCING VALVE DEZINCIFICATION RESISTANT BRASS

CODICE	MISURA	PRESSIONE	IMBALLO
2430012	1/2" (DN 15)	25bar/362.5psi	1/22
2430034	3/4" (DN 20)	25bar/362.5psi	1/22
2430100	1" (DN 25)	25bar/362.5psi	1/11
2430114	1"1/4 (DN 32)	25bar/362.5psi	1/6
2430112	1"1/2 (DN 40)	25bar/362.5psi	1/6
2430200	2" (DN 50)	25bar/362.5psi	1/3

Compensated piston operation.
Female/female threads.
Body in antidezincification brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Maximum inlet pressure: 25 bar.
Outlet pressure:
1/2" - 3/4" - 1" between 1 and 5,5 bar.
1"1/4 through 2" between 1 and 6 bar.
Factory preadjustment 4 bar.
Outlet pressure gauge connection 1/4" on both sides.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).





INSTALLATION

A strainer should be installed before the pressure reducing valve. (Please see the following charts).
IN CASE OF NOT COMPLIANCE WITH SUCH INSTALLATION, OUR COMPANY WILL NOT BE RESPONSABLE
OF ANY DAMAGES TO OUR PRESSURE REDUCING VALVES

Installation art.192 or 193 + art.515 + art.360

Installation art.192 or 193 + art.515 + art.361



360



CODICE	MISURA	PRESSIONE	IMBALLO
3600012	1/2" (DN 15)	15bar/217.5psi	4/56
3600034	3/4" (DN 20)	15bar/217.5psi	4/56

Compensated piston operation.
Female/female threads.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Maximum inlet pressure: 15 bar.
Outlet pressure can be adjusted between 1 and 4 bar.
Factory preadjustment 3 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

MINIPRESS PRESSURE REDUCING
VALVE



361



CODICE	MISURA	PRESSIONE	IMBALLO
3610012	1/2" (DN 15)	15bar/217.5psi	4/56
3610034	3/4" (DN 20)	15bar/217.5psi	4/56

Compensated piston operation.
Female/female threads.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Maximum inlet pressure: 15 bar.
Outlet pressure can be adjusted between 1 and 4 bar.
Factory preadjustment 3 bar.
Outlet pressure gauge connection 1/4".
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

MINIPRESS PRESSURE REDUCIN
VALVE WITH PRESSURE GAUGE
CONNECTION



192



Available also with NPT thread in the
sizes 2"1/2, 3" and 4".

Suitable for domestic water services, heating and air-conditioning plants.
Art.192A also suitable for use in compressed air systems.

Filtration degree: 1/4" through 2": 500µm; 2"1/2 through 4": 800µm

CODICE	MISURA	PRESSIONE	IMBALLO
1920014	1/4" (DN 8)	20bar/290psi	20/160
1920038	3/8" (DN 10)	20bar/290psi	20/160
1920012	1/2" (DN 15)	20bar/290psi	20/160
1920034	3/4" (DN 20)	20bar/290psi	10/80
1920100	1" (DN 25)	20bar/290psi	7/56
1920114	1"1/4 (DN 32)	20bar/290psi	4/32
1920112	1"1/2 (DN 40)	20bar/290psi	2/18
1920200	2" (DN 50)	20bar/290psi	2/10
1920212	2"1/2 (DN 65)	16bar/232psi	1/7
1920300	3" (DN 80)	16bar/232psi	1/6
1920400	4" (DN 100)	16bar/232psi	1/2

Filtration degree: 1/4" through 2" 200?m

CODICE	MISURA	PRESSIONE	IMBALLO
1920014A	1/4" (DN 8)	20bar/290psi	20/160
1920038A	3/8" (DN 10)	20bar/290psi	20/160
1920012A	1/2" (DN 15)	20bar/290psi	20/160
1920034A	3/4" (DN 20)	20bar/290psi	10/80
1920100A	1" (DN 25)	20bar/290psi	7/56
1920114A	1"1/4 (DN 32)	20bar/290psi	4/32
1920112A	1"1/2 (DN 40)	20bar/290psi	2/18
1920200A	2" (DN 50)	20bar/290psi	2/10

Female/female threads and inspection plug.
Body in brass.
Minimum and maximum working temperatures: -20°C, 110°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



Y STRAINER



192CA



Filtration degree: 1/4" through 2": 500µm; 2"1/2 through 4": 800µm

CODICE	MISURA	IMBALLO	FILTRO
192CA014	1/4" (DN 8)	1/0	192 - 1/4"
192CA014	1/4" (DN 8)	1/0	192 - 3/8"
192CA014	1/4" (DN 8)	1/0	192 - 1/2"
192CA034	3/4" (DN 20)	1/0	192 - 3/4"
192CA100	1" (DN 25)	1/0	192 - 1"
192CA114	1"1/4 (DN 32)	1/0	192 - 1"1/4
192CA112	1"1/2 (DN 40)	1/0	192 - 1"1/2
192CA200	2" (DN 50)	1/0	192 - 2"
192CA212	2"1/2 (DN 65)	1/0	192 - 2"1/2
192CA300	3" (DN 80)	1/0	192 - 3"
192CA400	4" (DN 100)	1/0	192 - 4"

Filtration degree: 1/4" through 2" 200?m

CODICE	MISURA	IMBALLO	FILTRO
192CA014A	1/4" (DN 8)	1/0	192A - 1/4"
192CA014A	1/4" (DN 8)	1/0	192A - 3/8"
192CA014A	1/4" (DN 8)	1/0	192A - 1/2"
192CA034A	3/4" (DN 20)	1/0	192A - 3/4"
192CA100A	1" (DN 25)	1/0	192A - 1"
192CA114A	1"1/4 (DN 32)	1/0	192A - 1"1/4
192CA112A	1"1/2 (DN 40)	1/0	192A - 1"1/2
192CA200A	2" (DN 50)	1/0	192A - 2"

CARTRIDGE FOR Y STRAINER 192

193



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

Filtration degree: 500µm.

CODICE	MISURA	PRESSIONE	IMBALLO
1930014	1/4" (DN 8)	20bar/290psi	20/160
1930038	3/8" (DN 10)	20bar/290psi	20/160
1930012	1/2" (DN 15)	20bar/290psi	20/160
1930034	3/4" (DN 20)	20bar/290psi	10/80
1930100	1" (DN 25)	20bar/290psi	7/56
1930114	1"1/4 (DN 32)	20bar/290psi	4/32
1930112	1"1/2 (DN 40)	20bar/290psi	2/18
1930200	2" (DN 50)	20bar/290psi	2/10

Filtration degree: 300µm.

CODICE	MISURA	PRESSIONE	IMBALLO
1930014G	1/4" (DN 8)	20bar/290psi	20/160
1930038G	3/8" (DN 10)	20bar/290psi	20/160
1930012G	1/2" (DN 15)	20bar/290psi	20/160
1930034G	3/4" (DN 20)	20bar/290psi	10/80
1930100G	1" (DN 25)	20bar/290psi	7/56
1930114G	1"1/4 (DN 32)	20bar/290psi	4/32
1930112G	1"1/2 (DN 40)	20bar/290psi	2/18
1930200G	2" (DN 50)	20bar/290psi	2/10

Filtration degree: 50µm.

CODICE	MISURA	PRESSIONE	IMBALLO
1930014GAS	1/4" (DN 8)	20bar/290psi	20/160
1930038GAS	3/8" (DN 10)	20bar/290psi	20/160
1930012GAS	1/2" (DN 15)	20bar/290psi	20/160
1930034GAS	3/4" (DN 20)	20bar/290psi	10/80
1930100GAS	1" (DN 25)	20bar/290psi	7/56
1930114GAS	1"1/4 (DN 32)	20bar/290psi	4/32
1930112GAS	1"1/2 (DN 40)	20bar/290psi	2/18
1930200GAS	2" (DN 50)	20bar/290psi	2/10

Female/female threads and inspection plug.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 110°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

NICKEL-PLATED Y STRAINER



192CA



Filtration degree: 500µm.

CODICE	MISURA	IMBALLO	FILTRO
192CA014	1/4" (DN 8)	1/0	193 - 1/4"
192CA014	1/4" (DN 8)	1/0	193 - 3/8"
192CA014	1/4" (DN 8)	1/0	193 - 1/2"
192CA034	3/4" (DN 20)	1/0	193 - 3/4"
192CA100	1" (DN 25)	1/0	193 - 1"
192CA114	1"1/4 (DN 32)	1/0	193 - 1"1/4
192CA112	1"1/2 (DN 40)	1/0	193 - 1"1/2
192CA200	2" (DN 50)	1/0	193 - 2"

Filtration degree: 300µm.

CODICE	MISURA	IMBALLO	FILTRO
192CA014G	1/4" (DN 8)	1/0	193G - 1/4"
192CA014G	1/4" (DN 8)	1/0	193G - 3/8"
192CA014G	1/4" (DN 8)	1/0	193G - 1/2"
192CA034G	3/4" (DN 20)	1/0	193G - 3/4"
192CA100G	1" (DN 25)	1/0	193G - 1"
192CA114G	1"1/4 (DN 32)	1/0	193G - 1"1/4
192CA112G	1"1/2 (DN 40)	1/0	193G - 1"1/2
192CA200G	2" (DN 50)	1/0	193G - 2"

Filtration degree: 50µm.

CODICE	MISURA	IMBALLO	FILTRO
192CA014GAS	1/4" (DN 8)	1/0	193GAS - 1/4"
192CA014GAS	1/4" (DN 8)	1/0	193GAS - 3/8"
192CA014GAS	1/4" (DN 8)	1/0	193GAS - 1/2"
192CA034GAS	3/4" (DN 20)	1/0	193GAS - 3/4"
192CA100GAS	1" (DN 25)	1/0	193GAS - 1"
192CA114GAS	1"1/4 (DN 32)	1/0	193GAS - 1"1/4
192CA112GAS	1"1/2 (DN 40)	1/0	193GAS - 1"1/2
192CA200GAS	2" (DN 50)	1/0	193GAS - 2"

CARTRIDGE FOR Y STRAINER 193

189



Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.
Supplied with an extractable straining cartridge, double pressure gauge and hose cock to dump the impurities.

CODICE	MISURA	PRESSIONE	IMBALLO
1890012	1/2" (DN 15)	16bar/232psi	1/6
1890034	3/4" (DN 20)	16bar/232psi	1/6
1890100	1" (DN 25)	16bar/232psi	1/4
1890114	1"1/4 (DN 32)	16bar/232psi	1/4
1890112	1"1/2 (DN 40)	16bar/232psi	1/4
1890200	2" (DN 50)	16bar/232psi	1/4

Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 100°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Filtration degree: 300µm.



SELF-CLEANING STRAINER

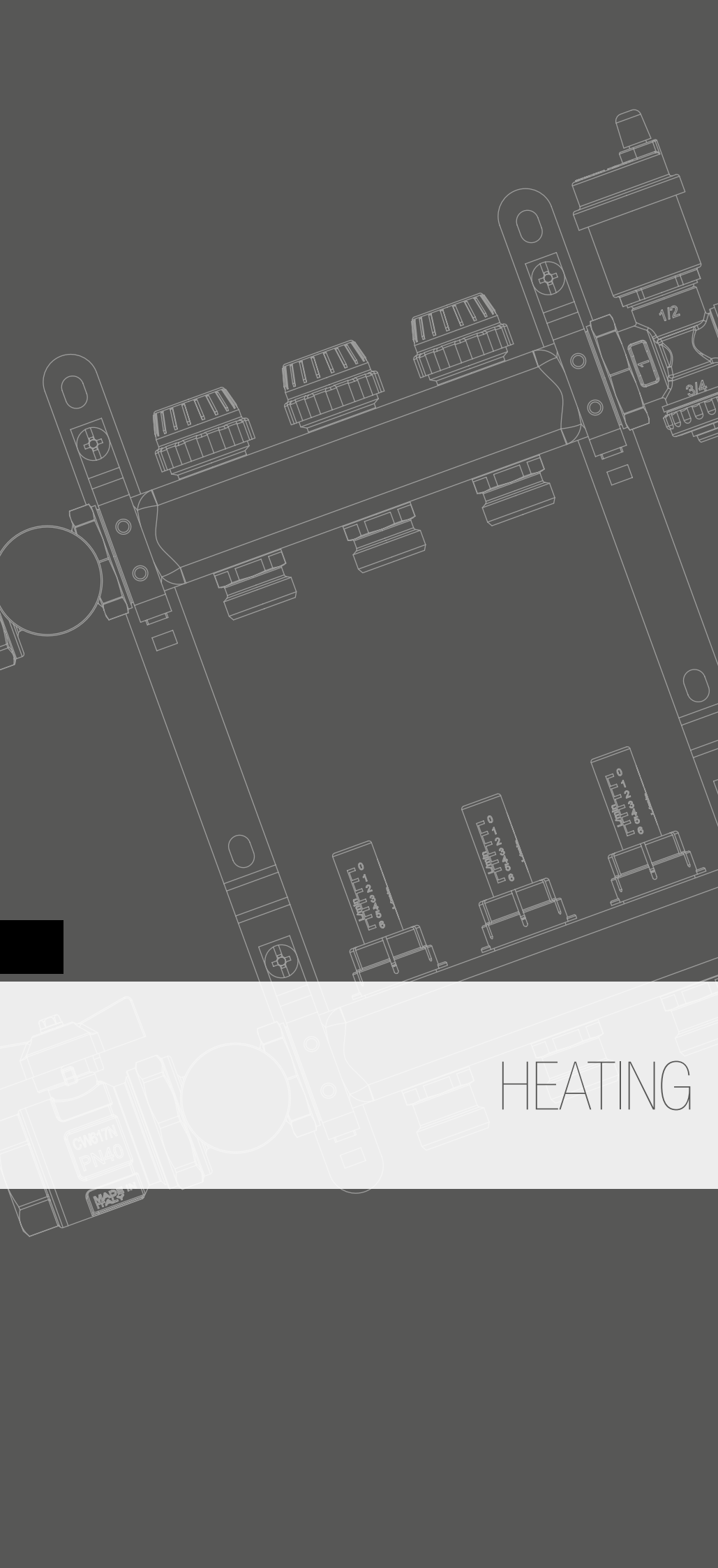
189CA



CODICE	MISURA	IMBALLO	FILTRO
189CA012	1/2" (DN 15)	1/0	1/2" (DN 15)
189CA012	1/2" (DN 15)	1/0	3/4" (DN 20)
189CA100	1" (DN 25)	1/0	1" (DN 25)
189CA100	1" (DN 25)	1/0	1"1/4 (DN 32)
189CA112	1"1/2 (DN 40)	1/0	1"1/2 (DN 40)
189CA112	1"1/2 (DN 40)	1/0	2" (DN 50)

Filtration degree: 300µm.

CARTRIDGE FOR SELF-CLEANING STRAINER



Straight and angle convertible valves and lockshields	102-105
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894V



CODICE	MISURA	PRESSIONE	IMBALLO
8940038V	3/8" (DN 10)	10bar/145psi	4/56
8940012V	1/2" (DN 15)	10bar/145psi	4/56

Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

STRAIGHT CONVERTIBLE VALVE WITH HANDLE, FEMALE THREAD



894C



CODICE	MISURA	PRESSIONE	IMBALLO
8940038C	3/8" (DN 10)	10bar/145psi	4/88
8940012C	1/2" (DN 15)	10bar/145psi	4/88

Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

STRAIGHT CONVERTIBLE VALVE WITH CAP, FEMALE THREAD



296S



CODICE	MISURA	PRESSIONE	IMBALLO
2960038S	3/8" (DN 10)	10bar/145psi	12/168
2960012S	1/2" (DN 15)	10bar/145psi	12/144
2960034S	3/4" (DN 20)	10bar/145psi	10/80

Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

STRAIGHT LOCKSHIELD, FEMALE THREAD



INSTALLATION

To be used with iron piping or, together with an Itap-Fit connector (art. 618 pg.190), with copper, crosslinked polyethylene (PEX) or polybutylene.



618

In the case of use with PEX or polybutylene it isalso requested the use of the liner art. 655 (pg. 190).



655

895V



CODICE	MISURA	PRESSIONE	IMBALLO
8950038V	3/8" (DN 10)	10bar/145psi	4/56
8950012V	1/2" (DN 15)	10bar/145psi	4/56

Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

STRAIGHT CONVERTIBLE VALVE WITH HANDLE, MALE THREAD



895C



CODICE	MISURA	PRESSIONE	IMBALLO
8950038C	3/8" (DN 10)	10bar/145psi	4/88
8950012C	1/2" (DN 15)	10bar/145psi	4/88

Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

STRAIGHT CONVERTIBLE VALVE WITH CAP, MALE THREAD



297S



CODICE	MISURA	PRESSIONE	IMBALLO
2970038S	3/8" (DN 10)	10bar/145psi	12/144
2970012S	1/2" (DN 15)	10bar/145psi	12/132

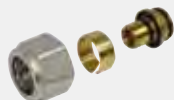
Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

STRAIGHT LOCKSHIELD, MALE THREAD



INSTALLATION

To be used with multilayer, PEX or polybutylene piping, together with 595M or 510 Multi-Fit connectors (pg.182).



595M



510

Suitable also for copper piping, together with a compression fitting art. 595 (pg.183).

The male thread "G" is equipped with a conical seat and inner diameter mm.16.



595

994V



CODICE	MISURA	PRESSIONE	IMBALLO
9940038V	3/8" (DN 10)	10bar/145psi	4/56
9940012V	1/2" (DN 15)	10bar/145psi	4/56

Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

ANGLE CONVERTIBLE VALVE WITH
 HANDLE, FEMALE THREAD



994C



CODICE	MISURA	PRESSIONE	IMBALLO
9940038C	3/8" (DN 10)	10bar/145psi	4/88
9940012C	1/2" (DN 15)	10bar/145psi	4/88

Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

ANGLE CONVERTIBLE VALVE WITH
 CAP, FEMALE THREAD



396S



CODICE	MISURA	PRESSIONE	IMBALLO
3960038S	3/8" (DN 10)	10bar/145psi	12/168
3960012S	1/2" (DN 15)	10bar/145psi	12/144
3960034S	3/4" (DN 20)	10bar/145psi	10/80

Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ANGLE LOCKSHIELD, FEMALE THREAD



INSTALLATION

To be used with iron piping or, together with an Itap-Fit connector (art. 618 pg.190), with copper, crosslinked polyethylene (PEX) or polybutylene.



618

In the case of use with PEX or polybutylene it is also requested the use of the liner art. 655 (pg. 190).



655

995V



CODICE	MISURA	PRESSIONE	IMBALLO
9950038V	3/8" (DN 10)	10bar/145psi	4/56
9950012V	1/2" (DN 15)	10bar/145psi	4/56

Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

ANGLE CONVERTIBLE VALVE WITH
 HANDLE, MALE THREAD



995C



CODICE	MISURA	PRESSIONE	IMBALLO
9950038C	3/8" (DN 10)	10bar/145psi	4/88
9950012C	1/2" (DN 15)	10bar/145psi	4/88

Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

ANGLE CONVERTIBLE VALVE WITH
 CAP, MALE THREAD



397S



CODICE	MISURA	PRESSIONE	IMBALLO
3970038S	3/8" (DN 10)	10bar/145psi	12/168
3970012S	1/2" (DN 15)	10bar/145psi	12/144

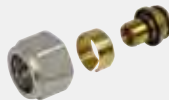
Body in nickel-plated brass.
 Maximum working temperature: 110°C.
 Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

ANGLE LOCKSHIELD, MALE THREAD



INSTALLATION

To be used with multilayer, PEX or polybutylene piping, together with 595M or 510 Multi-Fit connectors (pg.182).



595M



510

Suitable also for copper piping, together with a compression fitting art. 595 (pg.183).

The male thread "G" is equipped with a conical seat and inner diameter mm.16.



595

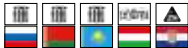
891



CODICE	IMBALLO
891	1/84

Scale values: * to 5.
Adjustable temperature range: 6,5°C, 28°C.
Antifreeze position set: 6,5°C.
Device to restrict or lock temperature setting included.
Hysteresis: 0,5K.
Water temperature effect (W): 0,75K.
Response time: (Z): 30min.
Maximum differential pressure: 1,5 bar.
Threads: M30 x 1,5.

THERMOSTATIC CONTROL HEAD WITH OIL-FILLED ELEMENT



891SD



CODICE	IMBALLO
891SD	1/18

Scale values: * to 5.
Adjustable temperature range: 6,5°C, 28°C.
Antifreeze position set: 6,5°C.
Device to restrict or lock temperature setting included.
Hysteresis: 0,5K.
Maximum differential pressure: 1,5 bar.
Threads: M30 x 1,5.
Length of the capillary pipe: m. 2.

THERMOSTATIC CONTROL HEAD WITH REMOTE SENSOR



891GA



CODICE	IMBALLO
891GA	75/300

Available for thermostatic control heads art. 891 and art. 891SD.

TAMPER-PROOF CAP FOR THERMOSTATIC CONTROL HEADS



891R



CODICE	IMBALLO
891R	1/62

Scale values: 0 to 5.
Adjustable temperature range: 0°C, 28°C.
Antifreeze position set: 5 °C.
Device to restrict or lock temperature setting included.
Hysteresis: 0,80K.
Water temperature effect (W): 0,80K.
Response time: (Z): 30min.
Maximum differential pressure: 1,5 bar.
Threads: M30 x 1,5.
Energy efficiency class: A.

THERMOSTATIC CONTROL HEAD WITH OIL-FILLED ELEMENT



INSTALLATION

THE THERMOSTATIC VALVE ALLOWS TO GET A CONSTANTLY IDEAL TEMPERATURE IN THE DIFFERENT ROOMS WITH ENERGY SAVINGS UP TO 20%

The thermostatic valve for radiators is the simplest device of automatic control of the ambient temperature. When the temperature exceeds the desired level, the sensitive element dilates and it produces the shutting or the appropriate reduction of the hot water flow, therefore lowering the heat supplied by the radiator. When the ambient temperature decreases, the sensitive element will contract, causing the hot water flow to increase and therefore the radiator increases its heat.



Convertible valves can be coupled to thermostatic control heads by a simple operation. This conversion into thermostatic valve can be implemented even in a working installation.

1. Remove the handle.



2. Rotate the thermostatic control head to full open (position 5).



3. Draw the control head close to the valve keeping the reference index fully visible, then manually screw the nickel-plated ring all the way to the blocking point. Do not position the control head vertically.



	1	2	3	4	5
6,5°C Min	12°C	16°C	20°C	24°C	28°C Max

294



STRAIGHT MANUAL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
2940012	1/2" (DN 15)	10bar/145psi	12/72
2940034	3/4" (DN 20)	10bar/145psi	8/64

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



296



STRAIGHT LOCKSHIELD

CODICE	MISURA	PRESSIONE	IMBALLO
2960012	1/2" (DN 15)	10bar/145psi	12/144
2960034	3/4" (DN 20)	10bar/145psi	8/72

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



394



ANGLE MANUAL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
3940038	3/8" (DN 10)	10bar/145psi	12/96
3940012	1/2" (DN 15)	10bar/145psi	12/96
3940034	3/4" (DN 20)	10bar/145psi	8/64

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



396



ANGLE LOCKSHIELD

CODICE	MISURA	PRESSIONE	IMBALLO
3960038	3/8" (DN 10)	10bar/145psi	12/144
3960012	1/2" (DN 15)	10bar/145psi	12/144
3960034	3/4" (DN 20)	10bar/145psi	8/72

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



INSTALLATION

To be used with iron piping or, together with an Itap-Fit connector (art. 618 pg.190), with copper, crosslinked polyethylene (PEX) or polybutylene.



618

In the case of use with PEX or polybutylene it is also requested the use of the liner art. 655 (pg. 190).



655

295



STRAIGHT MANUAL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
2950012	1/2" (DN 15)	10bar/145psi	12/72

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



297



STRAIGHT LOCKSHIELD

CODICE	MISURA	PRESSIONE	IMBALLO
2970012	1/2" (DN 15)	10bar/145psi	12/132

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



395



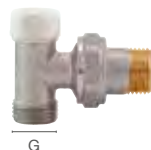
ANGLE MANUAL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
3950038	3/8" (DN 10)	10bar/145psi	12/96
3950012	1/2" (DN 15)	10bar/145psi	12/96

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



397



ANGLE LOCKSHIELD

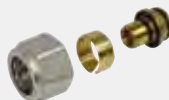
CODICE	MISURA	PRESSIONE	IMBALLO
3970038	3/8" (DN 10)	10bar/145psi	12/144
3970012	1/2" (DN 15)	10bar/145psi	12/144

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



INSTALLATION

To be used with multilayer, PEX or polybutylene piping, together with 595M or 510 Multi-Fit connectors (pg.182).



595M



510

Suitable also for copper piping, together with a compression fitting art. 595 (pg.183).

The male thread "G" is equipped with a conical seat and inner diameter mm.16.



595

294S



STRAIGHT MANUAL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
2940012S	1/2" (DN 15)	10bar/145psi	12/84
2940034S	3/4" (DN 20)	10bar/145psi	10/60

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



296S



STRAIGHT LOCKSHIELD

CODICE	MISURA	PRESSIONE	IMBALLO
2960038S	3/8" (DN 10)	10bar/145psi	12/168
2960012S	1/2" (DN 15)	10bar/145psi	12/144
2960034S	3/4" (DN 20)	10bar/145psi	10/80

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



394S



ANGLE MANUAL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
3940038S	3/8" (DN 10)	10bar/145psi	12/96
3940012S	1/2" (DN 15)	10bar/145psi	12/96
3940034S	3/4" (DN 20)	10bar/145psi	10/60

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



396S



ANGLE LOCKSHIELD

CODICE	MISURA	PRESSIONE	IMBALLO
3960038S	3/8" (DN 10)	10bar/145psi	12/168
3960012S	1/2" (DN 15)	10bar/145psi	12/144
3960034S	3/4" (DN 20)	10bar/145psi	10/80

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



INSTALLATION

To be used with iron piping or, together with an Itap-Fit connector (art. 618 pg.190), with copper, crosslinked polyethylene (PEX) or polybutylene.



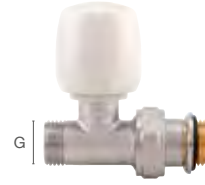
618

In the case of use with PEX or polybutylene it is also requested the use of the liner art. 655 (pg. 190).



655

295S



STRAIGHT MANUAL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
2950012S	1/2" (DN 15)	10bar/145psi	12/96

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



297S



STRAIGHT LOCKSHIELD

CODICE	MISURA	PRESSIONE	IMBALLO
2970038S	3/8" (DN 10)	10bar/145psi	12/144
2970012S	1/2" (DN 15)	10bar/145psi	12/132

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



395S



ANGLE MANUAL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
3950038S	3/8" (DN 10)	10bar/145psi	12/96
3950012S	1/2" (DN 15)	10bar/145psi	12/96

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



397S



ANGLE LOCKSHIELD

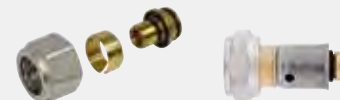
CODICE	MISURA	PRESSIONE	IMBALLO
3970038S	3/8" (DN 10)	10bar/145psi	12/168
3970012S	1/2" (DN 15)	10bar/145psi	12/144

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



INSTALLATION

To be used with multilayer, PEX or polybutylene piping, together with 595M or 510 Multi-Fit connectors (pg.182).



595M

510

Suitable also for copper piping, together with a compression fitting art. 595 (pg.183).

The male thread "G" is equipped with a conical seat and inner diameter mm.16.



595

305



CODICE	MISURA	PRESSIONE	IMBALLO
3050034	3/4" (DN 20) EUROKONUS	10bar/145psi	6/72

Body in nickel-plated brass.
Floor connections.
Radiator connections: 3/4" flat seat.
Pipe connection: 3/4" Eurokonus.
Centres distance: mm.50.
Working temperatures: -10°C, 90°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



STRAIGHT TWO-PIPE VALVE

315



CODICE	MISURA	PRESSIONE	IMBALLO
3150034	3/4" (DN 20) EUROKONUS	10bar/145psi	6/72

Body in nickel-plated brass.
Wall connections.
Radiator connections: 3/4" flat seat.
Pipe connection: 3/4" Eurokonus.
Centres distance: mm.50.
Working temperatures: -10°C, 90°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



ANGLE TWO-PIPE VALVE

306



CODICE	MISURA	IMBALLO
3060012034	1/2" - 3/4"	48/672

Body in brass.
Working temperatures: -10°C, 90°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



FITTINGS FOR PANEL RADIATORS,
WITH THREAD 1/2" F

306K



CODICE	IMBALLO
306K	2/800

Working temperatures: -10°C, 90°C.



ADAPTER FOR PANEL RADIATORS,
WITH THREAD 3/4" M

286



CODICE	MISURA	IMBALLO
2860012	12	25/300
2860014	14	25/300
2860015	15	25/300
2860016	16	25/300
2860018	18	25/300

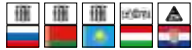
PLASTIC ROSETTE

990



CODICE	MISURA	IMBALLO
99023025	230V x 25sec	1/17
99023050	230V x 50sec	1/17

Bidirectional electric actuators.
Supplied with an auxiliary microswitch.
Case in nylon.
Power supply voltage: 230V.
Power consumption: 4VA.
Minimum and maximum working ambient temperature: -5°C, 70°C.
Class of protection: IP54.
Capacity of the auxiliary connection: 2A.
Operating time: 25 or 50 seconds.
Angle of rotation: 90°.
Starting torque:
- 50" model: 10Nm;
- 25" model: 5Nm.



ELECTRIC ACTUATOR FOR ZONE BALL
VALVES

991



CODICE	MISURA	IMBALLO
99123025	230V x 25sec	1/17
99123050	230V x 50sec	1/17
99102450	24V x 50sec	1/17

Bidirectional electric actuators.
Supplied with an auxiliary microswitch.
Case in nylon.
Power supply voltage: 230V or 24V.
Power consumption: 4VA.
Minimum and maximum working ambient temperature: -5°C, 70°C.
Class of protection: IP54.
Capacity of the auxiliary connection: 2A.
Operating time: 25 or 50 seconds.
Angle of rotation: 90°.
Starting torque:
- 50" model: 10Nm;
- 25" model: 5Nm.



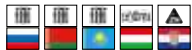
ELECTRIC ACTUATOR FOR ZONE BALL
VALVES WITH MANUAL UNLOCKING
DEVICE

989



CODICE	MISURA	IMBALLO
98923090	230V x 90sec	1/17

Unidirectional electric actuators.
Case in Kelon® (Ceramic + Nylon).
Power supply voltage: 230V.
Power consumption: 4VA.
Minimum and maximum working ambient temperature: 0°C, 55°C.
Class of protection: IP44.
Operating time: 90 seconds.
Angle of rotation: 90°.
Starting torque: 10Nm.



Suitable for 2-way zone ball valves art.980
and 981.

ELECTRIC ACTUATOR FOR ZONE BALL
VALVES

980



CODICE	MISURA	PRESSIONE	IMBALLO
9800034	3/4" (DN 20)	16bar/232psi	1/26
9800100	1" (DN 25)	16bar/232psi	1/26
9800114	1"1/4 (DN 32)	16bar/232psi	1/14

Body in nickel-plated brass.
Full flow ball.
Maximum working pressure: 16 bar.
Maximum differential pressure: 10bar.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



2-WAY ZONE BALL VALVE

981



CODICE	MISURA	PRESSIONE	IMBALLO
9810034	3/4" (DN 20)	16bar/232psi	1/26
9810100	1" (DN 25)	16bar/232psi	1/26
9810114	1"1/4 (DN 32)	16bar/232psi	1/12

Body in nickel-plated brass.
Full flow ball.
Maximum working pressure: 16 bar.
Maximum differential pressure: 10bar.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



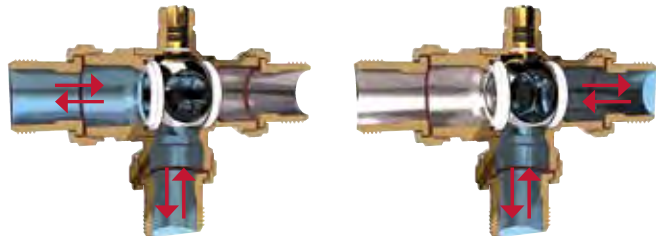
2-WAY ZONE BALL VALVE WITH
DOUBLE UNION CONNECTION

982



CODICE	MISURA	PRESSIONE	IMBALLO
9820034	3/4" (DN 20)	16bar/232psi	1/14
9820100	1" (DN 25)	16bar/232psi	1/9

Body in nickel-plated brass.
Full flow ball.
Maximum working pressure: 16 bar.
Maximum differential pressure: 10bar.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



Suitable for the electric actuators art. 990
and 991.

3-WAY DIVERTER ZONE BALL VALVE

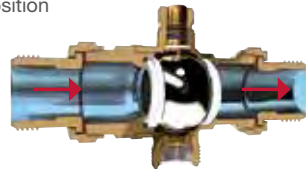
984



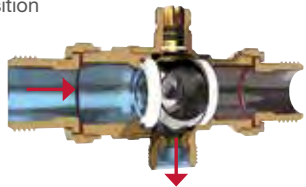
CODICE	MISURA	PRESSIONE	IMBALLO
9840034	3/4" (DN 20)	16bar/232psi	1/14
9840100	1" (DN 25)	16bar/232psi	1/12

Body in nickel-plated brass.
Full flow ball.
Maximum working pressure: 16 bar.
Maximum differential pressure: 10bar.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Open position



By-pass position



Suitable for the electric actuators art. 990
and 991.

3-WEGE-ZONENKUGELVENTIL

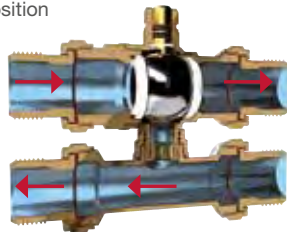
986



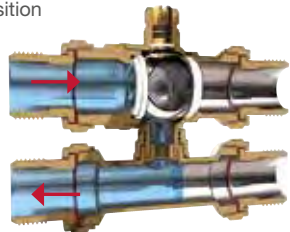
CODICE	MISURA	PRESSIONE	IMBALLO
9860034	3/4" (DN 20)	16bar/232psi	1/9
9860100	1" (DN 25)	16bar/232psi	1/9

Body in nickel-plated brass.
Full flow ball.
Balanced by-pass.
Adjustable thread centres distance:
-3/4": mm.49 to mm.63;
-1": mm.55 to mm.63
Maximum working pressure: 16 bar.
Maximum differential pressure: 10bar.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Open position



By-pass position



Suitable for the electric actuators art. 990
and 991.

4-WAY ZONE BALL VALVE

988



CODICE	MISURA	PRESSIONE	IMBALLO
9880034	3/4" (DN 20)	10bar/145psi	1/26
9880100	1" (DN 25)	10bar/145psi	1/12

By-pass tee in nickel-plated brass.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



Suitable for zone valve art. 984 and
installable in metal boxes art. 498, together
with brass manifolds art. 850-860 and
stainless steel manifolds art. 852-862.

BY-PASS KIT FOR ZONE BALL VALVES

450



CODICE	MISURA	PRESSIONE	IMBALLO
450003402	3/4" x 2	10bar/145psi	12/108
450003403	3/4" x 3	10bar/145psi	8/72
450003404	3/4" x 4	10bar/145psi	6/54
450010002	1" x 2	10bar/145psi	12/84
450010003	1" x 3	10bar/145psi	8/64
450010004	1" x 4	10bar/145psi	6/42

Distribution manifold with female outlets.
Suitable for fittings for copper, PEX, polybutylene or multilayer piping.
Body in forged, nickel-plated brass.
Centres distance: mm.38.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

MODULAR DISTRIBUTION MANIFOLD,
1/2" FEMALE OUTLETS



455



CODICE	MISURA	PRESSIONE	IMBALLO
455003402	3/4" x 2	10bar/145psi	12/108
455003403	3/4" x 3	10bar/145psi	8/72
455003404	3/4" x 4	10bar/145psi	6/54
455010002	1" x 2	10bar/145psi	12/96
455010003	1" x 3	10bar/145psi	8/64
455010004	1" x 4	10bar/145psi	6/48

Distribution manifold with male outlets.
Suitable for fittings for copper, PEX, polybutylene or multilayer piping.
Body in forged, nickel-plated brass.
Centres distance: mm.38.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

MODULAR DISTRIBUTION MANIFOLD,
1/2" MALE OUTLETS, CONICAL SEAT



456



CODICE	MISURA	PRESSIONE	IMBALLO
456003402	3/4" x 2	10bar/145psi	12/108
456003403	3/4" x 3	10bar/145psi	8/72
456003404	3/4" x 4	10bar/145psi	6/54

Distribution manifold with male outlets.
Suitable for fittings for copper, PEX, polybutylene or multilayer piping.
Body in forged brass.
Centres distance: mm.38.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

The male thread "G" is equipped with
a flat seat and inner diameter mm.14,5.

MODULAR DISTRIBUTION MANIFOLD,
1/2" MALE OUTLETS, FLAT SEAT



465



CODICE	MISURA	PRESSIONE	IMBALLO
465003402	3/4" x 2	10bar/145psi	4/48
465003403	3/4" x 3	10bar/145psi	4/32
465003404	3/4" x 4	10bar/145psi	4/24
465010002	1" x 2	10bar/145psi	4/48
465010003	1" x 3	10bar/145psi	4/32
465010004	1" x 4	10bar/145psi	4/24

Distribution manifold with shut-off valves to the male outlets.
Suitable for fittings for copper, PEX, polybutylene or multilayer piping.
Body in forged, nickel-plated brass.
Centres distance: mm.38.
Maximum working temperature: 110 °C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

MODULAR DISTRIBUTION MANIFOLD
WITH SHUT-OFF VALVES, 1/2" MALE
OUTLETS, CONICAL SEAT



885



The male thread "G" is equipped with
a conical seat and inner diameter
mm.16.

DUAL DISTRIBUTION MANIFOLD, 1/2"
MALE OUTLETS, CONICAL SEAT

CODICE	MISURA	PRESSIONE	IMBALLO
88500340238	3/4"x2+2	10bar/145psi	1/12
88500340438	3/4"x4+4	10bar/145psi	1/12
88500340638	3/4"x6+6	10bar/145psi	1/8
88500340838	3/4"x8+8	10bar/145psi	1/8
88500341038	3/4"x10+10	10bar/145psi	1/3

Dual distribution manifold with male outlets.
Suitable for fittings for copper, PEX, polybutylene or multilayer piping.
Body in casted, nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Centres distance: mm.38.



499



UNIVERSAL PLASTIC BOX FOR
MANIFOLDS

ITAP plastic box with the kit art. 499CS and 499CC is suitable for the use with manifolds of
any manufacturer.

CODICE	MISURA	IMBALLO
499350350	350x350x90	1/1
499500350	500x350x90	1/1
499650350	650x350x90	1/1
499800400	800x400x95	1/1

The cover is equipped with ventilation holes.
Supplied with a removable shield to protect the manifolds from the plastering holes.
Available sizes:
mm.350xmm.350
mm.500xmm.350
mm.650xmm.350
mm.800xmm.400
Usable depth: mm.90, mm.95.

499CS



SET TO FIX SIMPLE MANIFOLDS TO
THE PLASTIC BOX

Suitable for simple forged or cast manifolds.

CODICE	IMBALLO
499CS	1/50

Consisting of: 2 long brackets, 2 short brackets, 4 plastic strips.

499CC



SET TO FIX DUAL MANIFOLDS TO THE
PLASTIC BOX

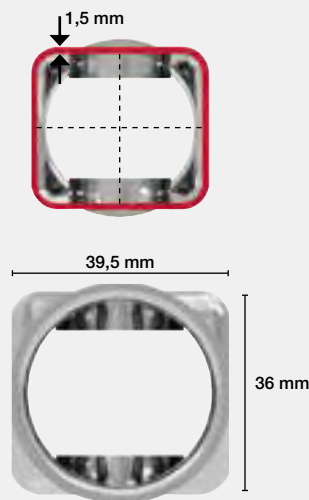
Suitable for dual manifolds.

CODICE	IMBALLO
499CC	1/50

Consisting of: 2 brackets for dual manifolds, 2 plastic strips.



TECHNICAL
FEATURES



FULL FLOW 1" SIZE

PREMIUM QUALITY MATERIAL:
STAINLESS STEEL AISI 304L (1.4301)

MAXIMUM INLET FLOW RATE: 5m³/h

STAINLESS STEEL MANIFOLDS

ITAP pre-assembled manifolds are used to distribute heat-transfer fluid inside a system. They can be used in traditional radiator systems or innovative under-floor radiant systems. As ITAP manifolds are made of stainless steel, they are particularly suitable for heating systems. If used in cooling systems, they must be insulated to prevent the formation of condensate on their surface.

The use of ITAP manifolds also allows all of the project parameters to be controlled, providing the perfect balance of each outlet. This avoids any unnecessary waste and ensures an elevated level of thermal comfort.

In the complete version the manifolds are equipped with flow rate regulation valves (flow meters), with cut-off valves set-up for electro-thermal actuator and with drain and air vent units. As an alternative to flow meters, it is possible to request the installation of regulation lockshields.

Thanks to their increased cross-section, the flow and return bars allow a higher flow rate.



SIZES AND USE



SPECIFICATIONS OF PRE-ASSEMBLED MANIFOLDS	
Required fluid	water (maximum admissible percentage of glycol: 30%)
Maximum operating pressure with installed flow meters	6 bar
Maximum operating pressure with installed lockshields	10 bar
Maximum operating temperature with installed flow meters	70°C
Maximum operating temperature with installed lockshields	80°C
Main ISO 228 connections	1"
2 to 13 outlets	3/4" EUROKONUS
Outlet centre-distance	50 mm
Flow meter regulation	0-5 l/m
Flow meter precision	+/- 10%



852

Manifolds in stainless steel AISI 304L with female outlets, suitable for fittings for copper, PEX, polybutylene or multilayer piping.



CODICE	MISURA	PRESSIONE	IMBALLO
85201000250	1" x 2	10bar/145psi	1/70
85201000350	1" x 3	10bar/145psi	1/55
85201000450	1" x 4	10bar/145psi	1/45
85201000550	1" x 5	10bar/145psi	1/30
85201000650	1" x 6	10bar/145psi	1/30
85201000750	1" x 7	10bar/145psi	1/12
85201000850	1" x 8	10bar/145psi	1/12
85201000950	1" x 9	10bar/145psi	1/12
85201001050	1" x 10	10bar/145psi	1/12
85201001150	1" x 11	10bar/145psi	1/12
85201001250	1" x 12	10bar/145psi	1/12
85201001350	1" x 13	10bar/145psi	1/12

Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Size of the outlets: 1/2" F.

DISTRIBUTION MANIFOLD IN
STAINLESS STEEL, CENTRES DISTANCE
MM.50



862

Manifolds in stainless steel AISI 304L with female outlets, suitable for fittings for copper, PEX, polybutylene or multilayer piping.



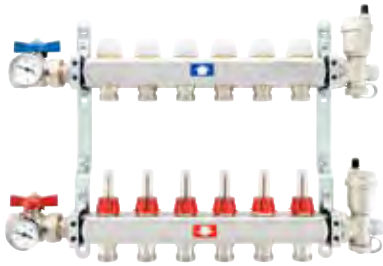
CODICE	MISURA	PRESSIONE	IMBALLO
86201000250	1" x 2	10bar/145psi	1/70
86201000350	1" x 3	10bar/145psi	1/55
86201000450	1" x 4	10bar/145psi	1/45
86201000550	1" x 5	10bar/145psi	1/30
86201000650	1" x 6	10bar/145psi	1/30
86201000750	1" x 7	10bar/145psi	1/12
86201000850	1" x 8	10bar/145psi	1/12
86201000950	1" x 9	10bar/145psi	1/12
86201001050	1" x 10	10bar/145psi	1/12
86201001150	1" x 11	10bar/145psi	1/12
86201001250	1" x 12	10bar/145psi	1/12
86201001350	1" x 13	10bar/145psi	1/12

Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Size of the outlets: 1/2" F.

DISTRIBUTION MANIFOLD IN
STAINLESS STEEL, BILATERAL
OUTLETS, CENTRES DISTANCE MM.50



907C



COMPLETE PRE-ASSEMBLED
MANIFOLD, WITH FLOW METERS

907C

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm.
Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9070010002034C	1"x3/4"x2	6bar/87psi	1/1
9070010003034C	1"x3/4"x3	6bar/87psi	1/1
9070010004034C	1"x3/4"x4	6bar/87psi	1/1
9070010005034C	1"x3/4"x5	6bar/87psi	1/1
9070010006034C	1"x3/4"x6	6bar/87psi	1/1
9070010007034C	1"x3/4"x7	6bar/87psi	1/1
9070010008034C	1"x3/4"x8	6bar/87psi	1/1
9070010009034C	1"x3/4"x9	6bar/87psi	1/1
9070010010034C	1"x3/4"x10	6bar/87psi	1/1
9070010011034C	1"x3/4"x11	6bar/87psi	1/1
9070010012034C	1"x3/4"x12	6bar/87psi	1/1
9070010013034C	1"x3/4"x13	6bar/87psi	1/1

90780C

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9078010002034C	1"x3/4"x2	6bar/87psi	1/1
9078010003034C	1"x3/4"x3	6bar/87psi	1/1
9078010004034C	1"x3/4"x4	6bar/87psi	1/1
9078010005034C	1"x3/4"x5	6bar/87psi	1/1
9078010006034C	1"x3/4"x6	6bar/87psi	1/1
9078010007034C	1"x3/4"x7	6bar/87psi	1/1
9078010008034C	1"x3/4"x8	6bar/87psi	1/1
9078010009034C	1"x3/4"x9	6bar/87psi	1/1
9078010010034C	1"x3/4"x10	6bar/87psi	1/1
9078010011034C	1"x3/4"x11	6bar/87psi	1/1
9078010012034C	1"x3/4"x12	6bar/87psi	1/1
9078010013034C	1"x3/4"x13	6bar/87psi	1/1

90790C

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9079010002034C	1"x3/4"x2	6bar/87psi	1/1
9079010003034C	1"x3/4"x3	6bar/87psi	1/1
9079010004034C	1"x3/4"x4	6bar/87psi	1/1
9079010005034C	1"x3/4"x5	6bar/87psi	1/1
9079010006034C	1"x3/4"x6	6bar/87psi	1/1
9079010007034C	1"x3/4"x7	6bar/87psi	1/1
9079010008034C	1"x3/4"x8	6bar/87psi	1/1
9079010009034C	1"x3/4"x9	6bar/87psi	1/1
9079010010034C	1"x3/4"x10	6bar/87psi	1/1
9079010011034C	1"x3/4"x11	6bar/87psi	1/1
9079010012034C	1"x3/4"x12	6bar/87psi	1/1
9079010013034C	1"x3/4"x13	6bar/87psi	1/1

100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets; accessories will be supplied separately, inside the same box.



912C



COMPLETE PRE-ASSEMBLED
MANIFOLD, WITH LOCKSHIELDS

912C

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm.
Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9120010002034C	1"x3/4"x2	10bar/145psi	1/1
9120010003034C	1"x3/4"x3	10bar/145psi	1/1
9120010004034C	1"x3/4"x4	10bar/145psi	1/1
9120010005034C	1"x3/4"x5	10bar/145psi	1/1
9120010006034C	1"x3/4"x6	10bar/145psi	1/1
9120010007034C	1"x3/4"x7	10bar/145psi	1/1
9120010008034C	1"x3/4"x8	10bar/145psi	1/1
9120010009034C	1"x3/4"x9	10bar/145psi	1/1
9120010010034C	1"x3/4"x10	10bar/145psi	1/1
9120010011034C	1"x3/4"x11	10bar/145psi	1/1
9120010012034C	1"x3/4"x12	10bar/145psi	1/1
9120010013034C	1"x3/4"x13	10bar/145psi	1/1

91280C

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9128010002034C	1"x3/4"x2	10bar/145psi	1/1
9128010003034C	1"x3/4"x3	10bar/145psi	1/1
9128010004034C	1"x3/4"x4	10bar/145psi	1/1
9128010005034C	1"x3/4"x5	10bar/145psi	1/1
9128010006034C	1"x3/4"x6	10bar/145psi	1/1
9128010007034C	1"x3/4"x7	10bar/145psi	1/1
9128010008034C	1"x3/4"x8	10bar/145psi	1/1
9128010009034C	1"x3/4"x9	10bar/145psi	1/1
9128010010034C	1"x3/4"x10	10bar/145psi	1/1
9128010011034C	1"x3/4"x11	10bar/145psi	1/1
9128010012034C	1"x3/4"x12	10bar/145psi	1/1
9128010013034C	1"x3/4"x13	10bar/145psi	1/1

91290C

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9129010002034C	1"x3/4"x2	10bar/145psi	1/1
9129010003034C	1"x3/4"x3	10bar/145psi	1/1
9129010004034C	1"x3/4"x4	10bar/145psi	1/1
9129010005034C	1"x3/4"x5	10bar/145psi	1/1
9129010006034C	1"x3/4"x6	10bar/145psi	1/1
9129010007034C	1"x3/4"x7	10bar/145psi	1/1
9129010008034C	1"x3/4"x8	10bar/145psi	1/1
9129010009034C	1"x3/4"x9	10bar/145psi	1/1
9129010010034C	1"x3/4"x10	10bar/145psi	1/1
9129010011034C	1"x3/4"x11	10bar/145psi	1/1
9129010012034C	1"x3/4"x12	10bar/145psi	1/1
9129010013034C	1"x3/4"x13	10bar/145psi	1/1

Consisting of:

- 1 return manifold in stainless steel AISI 304L with shut-off valves preset for electrothermal actuators
- 1 flow manifold in stainless steel AISI 304L with lockshields
- 2 complete metal brackets
- 2 shut-off ball valves with thermometers
- 2 end pieces with air vent valve and drain cock

Available sizes: 1".

Maximum working pressure: 10 bar.

Maximum working temperature: 80°C.

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.



100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets; accessories will be supplied separately, inside the same box.



917C



PRE-ASSEMBLED MANIFOLD WITH FLOW METERS

917C

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm. Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9170010002034C	1"x3/4"x2	6bar/87psi	1/1
9170010003034C	1"x3/4"x3	6bar/87psi	1/1
9170010004034C	1"x3/4"x4	6bar/87psi	1/1
9170010005034C	1"x3/4"x5	6bar/87psi	1/1
9170010006034C	1"x3/4"x6	6bar/87psi	1/1
9170010007034C	1"x3/4"x7	6bar/87psi	1/1
9170010008034C	1"x3/4"x8	6bar/87psi	1/1
9170010009034C	1"x3/4"x9	6bar/87psi	1/1
9170010010034C	1"x3/4"x10	6bar/87psi	1/1
9170010011034C	1"x3/4"x11	6bar/87psi	1/1
9170010012034C	1"x3/4"x12	6bar/87psi	1/1
9170010013034C	1"x3/4"x13	6bar/87psi	1/1

91780C

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9178010002034C	1"x3/4"x2	6bar/87psi	1/1
9178010003034C	1"x3/4"x3	6bar/87psi	1/1
9178010004034C	1"x3/4"x4	6bar/87psi	1/1
9178010005034C	1"x3/4"x5	6bar/87psi	1/1
9178010006034C	1"x3/4"x6	6bar/87psi	1/1
9178010007034C	1"x3/4"x7	6bar/87psi	1/1
9178010008034C	1"x3/4"x8	6bar/87psi	1/1
9178010009034C	1"x3/4"x9	6bar/87psi	1/1
9178010010034C	1"x3/4"x10	6bar/87psi	1/1
9178010011034C	1"x3/4"x11	6bar/87psi	1/1
9178010012034C	1"x3/4"x12	6bar/87psi	1/1
9178010013034C	1"x3/4"x13	6bar/87psi	1/1

91790C

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9179010002034C	1"x3/4"x2	6bar/87psi	1/1
9179010003034C	1"x3/4"x3	6bar/87psi	1/1
9179010004034C	1"x3/4"x4	6bar/87psi	1/1
9179010005034C	1"x3/4"x5	6bar/87psi	1/1
9179010006034C	1"x3/4"x6	6bar/87psi	1/1
9179010007034C	1"x3/4"x7	6bar/87psi	1/1
9179010008034C	1"x3/4"x8	6bar/87psi	1/1
9179010009034C	1"x3/4"x9	6bar/87psi	1/1
9179010010034C	1"x3/4"x10	6bar/87psi	1/1
9179010011034C	1"x3/4"x11	6bar/87psi	1/1
9179010012034C	1"x3/4"x12	6bar/87psi	1/1
9179010013034C	1"x3/4"x13	6bar/87psi	1/1

Consisting of:

- 1 return manifold in stainless steel AISI 304L with shut-off valves preset for electrothermal actuators
- 1 flow manifold in stainless steel AISI 304L with flow meters
- 2 complete metal brackets

Available sizes: 1".

Maximum working pressure: 6 bar (10 bar for installation test).

Maximum working temperature: 70°C

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.



100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets.

917CDE



PRE-ASSEMBLED MANIFOLD WITH FLOW METERS, AIR VENT VALVE AND DRAIN COCK

917CDE

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm. Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9170010002034CDE	1"x3/4"x2	6bar/87psi	1/1
9170010003034CDE	1"x3/4"x3	6bar/87psi	1/1
9170010004034CDE	1"x3/4"x4	6bar/87psi	1/1
9170010005034CDE	1"x3/4"x5	6bar/87psi	1/1
9170010006034CDE	1"x3/4"x6	6bar/87psi	1/1
9170010007034CDE	1"x3/4"x7	6bar/87psi	1/1
9170010008034CDE	1"x3/4"x8	6bar/87psi	1/1
9170010009034CDE	1"x3/4"x9	6bar/87psi	1/1
9170010010034CDE	1"x3/4"x10	6bar/87psi	1/1
9170010011034CDE	1"x3/4"x11	6bar/87psi	1/1
9170010012034CDE	1"x3/4"x12	6bar/87psi	1/1

91780CDE

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9178010002034CDE	1"x3/4"x2	6bar/87psi	1/1
9178010003034CDE	1"x3/4"x3	6bar/87psi	1/1
9178010004034CDE	1"x3/4"x4	6bar/87psi	1/1
9178010005034CDE	1"x3/4"x5	6bar/87psi	1/1
9178010006034CDE	1"x3/4"x6	6bar/87psi	1/1
9178010007034CDE	1"x3/4"x7	6bar/87psi	1/1
9178010008034CDE	1"x3/4"x8	6bar/87psi	1/1
9178010009034CDE	1"x3/4"x9	6bar/87psi	1/1
9178010010034CDE	1"x3/4"x10	6bar/87psi	1/1
9178010011034CDE	1"x3/4"x11	6bar/87psi	1/1
9178010012034CDE	1"x3/4"x12	6bar/87psi	1/1

91790CDE

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9179010002034CDE	1"x3/4"x2	6bar/87psi	1/1
9179010003034CDE	1"x3/4"x3	6bar/87psi	1/1
9179010004034CDE	1"x3/4"x4	6bar/87psi	1/1
9179010005034CDE	1"x3/4"x5	6bar/87psi	1/1
9179010006034CDE	1"x3/4"x6	6bar/87psi	1/1
9179010007034CDE	1"x3/4"x7	6bar/87psi	1/1
9179010008034CDE	1"x3/4"x8	6bar/87psi	1/1
9179010009034CDE	1"x3/4"x9	6bar/87psi	1/1
9179010010034CDE	1"x3/4"x10	6bar/87psi	1/1
9179010011034CDE	1"x3/4"x11	6bar/87psi	1/1
9179010012034CDE	1"x3/4"x12	6bar/87psi	1/1

Consisting of:

- 1 return manifold in stainless steel AISI 304L with shut-off valves preset for electrothermal actuators
- 1 flow manifold in stainless steel AISI 304L with flow meters
- 2 complete metal brackets
- 2 drain cocks
- 2 air vent valves

Available sizes: 1".

Maximum working pressure: 6 bar (10 bar for installation test).

Maximum working temperature: 70°C

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 12, 3/4" Eurokonus.

Outlet centre distance: mm.50.



100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets.

918C



PRE-ASSEMBLED MANIFOLD WITH FLOW METERS, AIR VENT VALVE AND DRAIN COCK

918C

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm. Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9180010002034C	1"x3/4"x2	6bar/87psi	1/1
9180010003034C	1"x3/4"x3	6bar/87psi	1/1
9180010004034C	1"x3/4"x4	6bar/87psi	1/1
9180010005034C	1"x3/4"x5	6bar/87psi	1/1
9180010006034C	1"x3/4"x6	6bar/87psi	1/1
9180010007034C	1"x3/4"x7	6bar/87psi	1/1
9180010008034C	1"x3/4"x8	6bar/87psi	1/1
9180010009034C	1"x3/4"x9	6bar/87psi	1/1
9180010010034C	1"x3/4"x10	6bar/87psi	1/1
9180010011034C	1"x3/4"x11	6bar/87psi	1/1
9180010012034C	1"x3/4"x12	6bar/87psi	1/1
9180010013034C	1"x3/4"x13	6bar/87psi	1/1

91880C

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9188010002034C	1"x3/4"x2	6bar/87psi	1/1
9188010003034C	1"x3/4"x3	6bar/87psi	1/1
9188010004034C	1"x3/4"x4	6bar/87psi	1/1
9188010005034C	1"x3/4"x5	6bar/87psi	1/1
9188010006034C	1"x3/4"x6	6bar/87psi	1/1
9188010007034C	1"x3/4"x7	6bar/87psi	1/1
9188010008034C	1"x3/4"x8	6bar/87psi	1/1
9188010009034C	1"x3/4"x9	6bar/87psi	1/1
9188010010034C	1"x3/4"x10	6bar/87psi	1/1
9188010011034C	1"x3/4"x11	6bar/87psi	1/1
9188010012034C	1"x3/4"x12	6bar/87psi	1/1
9188010013034C	1"x3/4"x13	6bar/87psi	1/1

91890C

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9189010002034C	1"x3/4"x2	6bar/87psi	1/1
9189010003034C	1"x3/4"x3	6bar/87psi	1/1
9189010004034C	1"x3/4"x4	6bar/87psi	1/1
9189010005034C	1"x3/4"x5	6bar/87psi	1/1
9189010006034C	1"x3/4"x6	6bar/87psi	1/1
9189010007034C	1"x3/4"x7	6bar/87psi	1/1
9189010008034C	1"x3/4"x8	6bar/87psi	1/1
9189010009034C	1"x3/4"x9	6bar/87psi	1/1
9189010010034C	1"x3/4"x10	6bar/87psi	1/1
9189010011034C	1"x3/4"x11	6bar/87psi	1/1
9189010012034C	1"x3/4"x12	6bar/87psi	1/1
9189010013034C	1"x3/4"x13	6bar/87psi	1/1

Consisting of:

- 1 return manifold in stainless steel AISI 304L with shut-off valves preset for electrothermal actuators
- 1 flow manifold in stainless steel AISI 304L with flow meters
- 2 adjustable end pieces with drain valve and manual air vent valve
- 2 complete metal brackets

Available sizes: 1".

Maximum working pressure: 6 bar (10 bar for installation test).

Maximum working temperature: 70°C

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.



100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets.

922C



PRE-ASSEMBLED MANIFOLD WITH LOCKSHIELDS

922C

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm. Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9220010002034C	1"x3/4"x2	10bar/145psi	1/1
9220010003034C	1"x3/4"x3	10bar/145psi	1/1
9220010004034C	1"x3/4"x4	10bar/145psi	1/1
9220010005034C	1"x3/4"x5	10bar/145psi	1/1
9220010006034C	1"x3/4"x6	10bar/145psi	1/1
9220010007034C	1"x3/4"x7	10bar/145psi	1/1
9220010008034C	1"x3/4"x8	10bar/145psi	1/1
9220010009034C	1"x3/4"x9	10bar/145psi	1/1
9220010010034C	1"x3/4"x10	10bar/145psi	1/1
9220010011034C	1"x3/4"x11	10bar/145psi	1/1
9220010012034C	1"x3/4"x12	10bar/145psi	1/1
9220010013034C	1"x3/4"x13	10bar/145psi	1/1

92280C

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9228010002034C	1"x3/4"x2	10bar/145psi	1/1
9228010003034C	1"x3/4"x3	10bar/145psi	1/1
9228010004034C	1"x3/4"x4	10bar/145psi	1/1
9228010005034C	1"x3/4"x5	10bar/145psi	1/1
9228010006034C	1"x3/4"x6	10bar/145psi	1/1
9228010007034C	1"x3/4"x7	10bar/145psi	1/1
9228010008034C	1"x3/4"x8	10bar/145psi	1/1
9228010009034C	1"x3/4"x9	10bar/145psi	1/1
9228010010034C	1"x3/4"x10	10bar/145psi	1/1
9228010011034C	1"x3/4"x11	10bar/145psi	1/1
9228010012034C	1"x3/4"x12	10bar/145psi	1/1
9228010013034C	1"x3/4"x13	10bar/145psi	1/1

92290C

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9229010002034C	1"x3/4"x2	10bar/145psi	1/1
9229010003034C	1"x3/4"x3	10bar/145psi	1/1
9229010004034C	1"x3/4"x4	10bar/145psi	1/1
9229010005034C	1"x3/4"x5	10bar/145psi	1/1
9229010006034C	1"x3/4"x6	10bar/145psi	1/1
9229010007034C	1"x3/4"x7	10bar/145psi	1/1
9229010008034C	1"x3/4"x8	10bar/145psi	1/1
9229010009034C	1"x3/4"x9	10bar/145psi	1/1
9229010010034C	1"x3/4"x10	10bar/145psi	1/1
9229010011034C	1"x3/4"x11	10bar/145psi	1/1
9229010012034C	1"x3/4"x12	10bar/145psi	1/1
9229010013034C	1"x3/4"x13	10bar/145psi	1/1

Consisting of:

- 1 return manifold in stainless steel AISI 304L with shut-off valves preset for electrothermal actuators
- 1 flow manifold in stainless steel AISI 304L with lockshields
- 2 complete metal brackets

Available sizes: 1".

Maximum working pressure: 10 bar.

Maximum working temperature: 80°C.

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.



100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets.

922MO



PRE-ASSEMBLED MANIFOLD WITH AIR-VENT VALVES

922MO

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm.
Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9220010002034MO	1"x3/4"x2	10bar/145psi	1/1
9220010003034MO	1"x3/4"x3	10bar/145psi	1/1
9220010004034MO	1"x3/4"x4	10bar/145psi	1/1
9220010005034MO	1"x3/4"x5	10bar/145psi	1/1
9220010006034MO	1"x3/4"x6	10bar/145psi	1/1
9220010007034MO	1"x3/4"x7	10bar/145psi	1/1
9220010008034MO	1"x3/4"x8	10bar/145psi	1/1
9220010009034MO	1"x3/4"x9	10bar/145psi	1/1
9220010010034MO	1"x3/4"x10	10bar/145psi	1/1
9220010011034MO	1"x3/4"x11	10bar/145psi	1/1
9220010012034MO	1"x3/4"x12	10bar/145psi	1/1

92280MO

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9228010002034MO	1"x3/4"x2	10bar/145psi	1/1
9228010003034MO	1"x3/4"x3	10bar/145psi	1/1
9228010004034MO	1"x3/4"x4	10bar/145psi	1/1
9228010005034MO	1"x3/4"x5	10bar/145psi	1/1
9228010006034MO	1"x3/4"x6	10bar/145psi	1/1
9228010007034MO	1"x3/4"x7	10bar/145psi	1/1
9228010008034MO	1"x3/4"x8	10bar/145psi	1/1
9228010009034MO	1"x3/4"x9	10bar/145psi	1/1
9228010010034MO	1"x3/4"x10	10bar/145psi	1/1
9228010011034MO	1"x3/4"x11	10bar/145psi	1/1
9228010012034MO	1"x3/4"x12	10bar/145psi	1/1

92290MO

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9229010002034MO	1"x3/4"x2	10bar/145psi	1/1
9229010003034MO	1"x3/4"x3	10bar/145psi	1/1
9229010004034MO	1"x3/4"x4	10bar/145psi	1/1
9229010005034MO	1"x3/4"x5	10bar/145psi	1/1
9229010006034MO	1"x3/4"x6	10bar/145psi	1/1
9229010007034MO	1"x3/4"x7	10bar/145psi	1/1
9229010008034MO	1"x3/4"x8	10bar/145psi	1/1
9229010009034MO	1"x3/4"x9	10bar/145psi	1/1
9229010010034MO	1"x3/4"x10	10bar/145psi	1/1
9229010011034MO	1"x3/4"x11	10bar/145psi	1/1
9229010012034MO	1"x3/4"x12	10bar/145psi	1/1

Consisting of:

- 1 return manifold in stainless steel AISI 304L with air vent valve
- 1 flow manifold in stainless steel AISI 304L with air vent valve
- 2 complete metal brackets

Available sizes: 1".

Maximum working pressure: 10 bar.

Maximum working temperature: 80°C.

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 12, 3/4" Eurokonus.

Outlet centre distance: mm.50.

100% TESTED

ATTENTION: manifolds will be supplied mounted on the brackets.



917CDEB



PRE-ASSEMBLED MANIFOLD WITH FLOW METERS, AIR VENT VALVE AND DRAIN COCK – AUTOMATIC FLOW CONTROL



917CDEB

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm.
Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9170010002034CDEB	1"x3/4"x2	6bar/87psi	1/1
9170010003034CDEB	1"x3/4"x3	6bar/87psi	1/1
9170010004034CDEB	1"x3/4"x4	6bar/87psi	1/1
9170010005034CDEB	1"x3/4"x5	6bar/87psi	1/1
9170010006034CDEB	1"x3/4"x6	6bar/87psi	1/1
9170010007034CDEB	1"x3/4"x7	6bar/87psi	1/1
9170010008034CDEB	1"x3/4"x8	6bar/87psi	1/1
9170010009034CDEB	1"x3/4"x9	6bar/87psi	1/1
9170010010034CDEB	1"x3/4"x10	6bar/87psi	1/1
9170010011034CDEB	1"x3/4"x11	6bar/87psi	1/1
9170010012034CDEB	1"x3/4"x12	6bar/87psi	1/1

91780CDEB

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9178010002034CDEB	1"x3/4"x2	6bar/87psi	1/1
9178010003034CDEB	1"x3/4"x3	6bar/87psi	1/1
9178010004034CDEB	1"x3/4"x4	6bar/87psi	1/1
9178010005034CDEB	1"x3/4"x5	6bar/87psi	1/1
9178010006034CDEB	1"x3/4"x6	6bar/87psi	1/1
9178010007034CDEB	1"x3/4"x7	6bar/87psi	1/1
9178010008034CDEB	1"x3/4"x8	6bar/87psi	1/1
9178010009034CDEB	1"x3/4"x9	6bar/87psi	1/1
9178010010034CDEB	1"x3/4"x10	6bar/87psi	1/1
9178010011034CDEB	1"x3/4"x11	6bar/87psi	1/1
9178010012034CDEB	1"x3/4"x12	6bar/87psi	1/1

91790CDEB

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9179010002034CDEB	1"x3/4"x2	6bar/87psi	1/1
9179010003034CDEB	1"x3/4"x3	6bar/87psi	1/1
9179010004034CDEB	1"x3/4"x4	6bar/87psi	1/1
9179010005034CDEB	1"x3/4"x5	6bar/87psi	1/1
9179010006034CDEB	1"x3/4"x6	6bar/87psi	1/1
9179010007034CDEB	1"x3/4"x7	6bar/87psi	1/1
9179010008034CDEB	1"x3/4"x8	6bar/87psi	1/1
9179010009034CDEB	1"x3/4"x9	6bar/87psi	1/1
9179010010034CDEB	1"x3/4"x10	6bar/87psi	1/1
9179010011034CDEB	1"x3/4"x11	6bar/87psi	1/1
9179010012034CDEB	1"x3/4"x12	6bar/87psi	1/1

Consisting of:

- 1 stainless steel AISI 304L return manifold with thermostatic insert Heimeier Eclipse®
- 1 flow manifold in stainless steel AISI 304L with flow meters
- 2 complete metal brackets
- 2 drain cocks
- 2 air vent valves

Available sizes: 1".

Maximum operating pressure: 6 bar.

Maximum working temperature: 70°C

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 12, 3/4" Eurokonus.

Outlet centre distance: mm.50.

100% TESTED

ATTENTION: manifolds will be supplied mounted on the brackets.



918CB



PRE-ASSEMBLED MANIFOLD WITH FLOW METERS, AIR VENT VALVE AND DRAIN COCK – AUTOMATIC FLOW CONTROL



918CB

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm. Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9180010002034CB	1"x3/4"x2	6bar/87psi	1/1
9180010003034CB	1"x3/4"x3	6bar/87psi	1/1
9180010004034CB	1"x3/4"x4	6bar/87psi	1/1
9180010005034CB	1"x3/4"x5	6bar/87psi	1/1
9180010006034CB	1"x3/4"x6	6bar/87psi	1/1
9180010007034CB	1"x3/4"x7	6bar/87psi	1/1
9180010008034CB	1"x3/4"x8	6bar/87psi	1/1
9180010009034CB	1"x3/4"x9	6bar/87psi	1/1
9180010010034CB	1"x3/4"x10	6bar/87psi	1/1
9180010011034CB	1"x3/4"x11	6bar/87psi	1/1
9180010012034CB	1"x3/4"x12	6bar/87psi	1/1
9180010013034CB	1"x3/4"x13	6bar/87psi	1/1

91880CB

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9188010002034CB	1"x3/4"x2	6bar/87psi	1/1
9188010003034CB	1"x3/4"x3	6bar/87psi	1/1
9188010004034CB	1"x3/4"x4	6bar/87psi	1/1
9188010005034CB	1"x3/4"x5	6bar/87psi	1/1
9188010006034CB	1"x3/4"x6	6bar/87psi	1/1
9188010007034CB	1"x3/4"x7	6bar/87psi	1/1
9188010008034CB	1"x3/4"x8	6bar/87psi	1/1
9188010009034CB	1"x3/4"x9	6bar/87psi	1/1
9188010010034CB	1"x3/4"x10	6bar/87psi	1/1
9188010011034CB	1"x3/4"x11	6bar/87psi	1/1
9188010012034CB	1"x3/4"x12	6bar/87psi	1/1
9188010013034CB	1"x3/4"x13	6bar/87psi	1/1

91890CB

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9189010002034CB	1"x3/4"x2	6bar/87psi	1/1
9189010003034CB	1"x3/4"x3	6bar/87psi	1/1
9189010004034CB	1"x3/4"x4	6bar/87psi	1/1
9189010005034CB	1"x3/4"x5	6bar/87psi	1/1
9189010006034CB	1"x3/4"x6	6bar/87psi	1/1
9189010007034CB	1"x3/4"x7	6bar/87psi	1/1
9189010008034CB	1"x3/4"x8	6bar/87psi	1/1
9189010009034CB	1"x3/4"x9	6bar/87psi	1/1
9189010010034CB	1"x3/4"x10	6bar/87psi	1/1
9189010011034CB	1"x3/4"x11	6bar/87psi	1/1
9189010012034CB	1"x3/4"x12	6bar/87psi	1/1
9189010013034CB	1"x3/4"x13	6bar/87psi	1/1

Consisting of:

- 1 stainless steel AISI 304L return manifold with thermostatic insert Heimeier Eclipse®
- 1 flow manifold in stainless steel AISI 304L with flow meters
- 2 adjustable end pieces with drain valve and manual air vent valve
- 2 complete metal brackets

Available sizes: 1".

Maximum operating pressure: 6 bar.

Maximum working temperature: 70°C

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.



100% TESTED

ATTENTION: manifolds will be supplied mounted on the brackets.

927



SINGLE MANIFOLD WITH LOCKSHIELDS

CODICE	MISURA	PRESSIONE	IMBALLO
9270010002034	1"x3/4"x2	10bar/145psi	1/12
9270010003034	1"x3/4"x3	10bar/145psi	1/12
9270010004034	1"x3/4"x4	10bar/145psi	1/8
9270010005034	1"x3/4"x5	10bar/145psi	1/8
9270010006034	1"x3/4"x6	10bar/145psi	1/8
9270010007034	1"x3/4"x7	10bar/145psi	1/3
9270010008034	1"x3/4"x8	10bar/145psi	1/2
9270010009034	1"x3/4"x9	10bar/145psi	1/2
9270010010034	1"x3/4"x10	10bar/145psi	1/2
9270010011034	1"x3/4"x11	10bar/145psi	1/2
9270010012034	1"x3/4"x12	10bar/145psi	1/2
9270010013034	1"x3/4"x13	10bar/145psi	1/2

Distribution manifold in stainless steel AISI 304L.

Available sizes: 1".

Maximum working pressure: 10 bar.

Maximum working temperature: 80°C.

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.



932



SINGLE MANIFOLD WITH FLOW METERS

CODICE	MISURA	PRESSIONE	IMBALLO
9320010002034	1"x3/4"x2	6bar/87psi	1/12
9320010003034	1"x3/4"x3	6bar/87psi	1/12
9320010004034	1"x3/4"x4	6bar/87psi	1/8
9320010005034	1"x3/4"x5	6bar/87psi	1/8
9320010006034	1"x3/4"x6	6bar/87psi	1/8
9320010007034	1"x3/4"x7	6bar/87psi	1/3
9320010008034	1"x3/4"x8	6bar/87psi	1/2
9320010009034	1"x3/4"x9	6bar/87psi	1/2
9320010010034	1"x3/4"x10	6bar/87psi	1/2
9320010011034	1"x3/4"x11	6bar/87psi	1/2
9320010012034	1"x3/4"x12	6bar/87psi	1/2
9320010013034	1"x3/4"x13	6bar/87psi	1/2

Distribution manifold in stainless steel AISI 304L.

Available sizes: 1".

Maximum working pressure: 6 bar (10 bar for installation test).

Maximum working temperature: 70°C

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.



937



Shut-off valves preset for electrothermal actuators.

SINGLE MANIFOLD, WITH SHUT-OFF VALVES PRESET FOR ELECTROTHERMAL ACTUATORS - WITH HANDLES

CODICE	MISURA	PRESSIONE	IMBALLO
9370010002034	1"x3/4"x2	10bar/145psi	1/12
9370010003034	1"x3/4"x3	10bar/145psi	1/12
9370010004034	1"x3/4"x4	10bar/145psi	1/8
9370010005034	1"x3/4"x5	10bar/145psi	1/8
9370010006034	1"x3/4"x6	10bar/145psi	1/8
9370010007034	1"x3/4"x7	10bar/145psi	1/3
9370010008034	1"x3/4"x8	10bar/145psi	1/2
9370010009034	1"x3/4"x9	10bar/145psi	1/2
9370010010034	1"x3/4"x10	10bar/145psi	1/2
9370010011034	1"x3/4"x11	10bar/145psi	1/2
9370010012034	1"x3/4"x12	10bar/145psi	1/2
9370010013034	1"x3/4"x13	10bar/145psi	1/2

Distribution manifold in stainless steel AISI 304L.

Available sizes: 1".

Maximum working pressure: 10 bar.

Maximum working temperature: 80°C.

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.



937M



Equipped with manual shut-off valves.

SINGLE MANIFOLD, WITH MANUAL SHUT-OFF VALVES WITH HANDLES

CODICE	MISURA	PRESSIONE	IMBALLO
9370010002034M	1"x3/4"x2	10bar/145psi	1/12
9370010003034M	1"x3/4"x3	10bar/145psi	1/12
9370010004034M	1"x3/4"x4	10bar/145psi	1/8
9370010005034M	1"x3/4"x5	10bar/145psi	1/8
9370010006034M	1"x3/4"x6	10bar/145psi	1/8
9370010007034M	1"x3/4"x7	10bar/145psi	1/3
9370010008034M	1"x3/4"x8	10bar/145psi	1/2

Distribution manifold in stainless steel AISI 304L.
Available sizes: 1".
Maximum working pressure: 10 bar.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Outlets: from 2 to 8, 3/4" Eurokonus.
Outlet centre distance: mm.50.



942



Shut-off valves preset for electrothermal actuators.

SINGLE MANIFOLD WITH SHUT-OFF VALVES PRESET FOR ELECTROTHERMAL ACTUATORS - WITH CAPS

CODICE	MISURA	PRESSIONE	IMBALLO
9420010002034	1"x3/4"x2	10bar/145psi	1/12
9420010003034	1"x3/4"x3	10bar/145psi	1/12
9420010004034	1"x3/4"x4	10bar/145psi	1/8
9420010005034	1"x3/4"x5	10bar/145psi	1/8
9420010006034	1"x3/4"x6	10bar/145psi	1/8
9420010007034	1"x3/4"x7	10bar/145psi	1/3
9420010008034	1"x3/4"x8	10bar/145psi	1/2
9420010009034	1"x3/4"x9	10bar/145psi	1/2
9420010010034	1"x3/4"x10	10bar/145psi	1/2
9420010011034	1"x3/4"x11	10bar/145psi	1/2
9420010012034	1"x3/4"x12	10bar/145psi	1/2
9420010013034	1"x3/4"x13	10bar/145psi	1/2

Distribution manifold in stainless steel AISI 304L.
Available sizes: 1".
Maximum working pressure: 10 bar.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Outlets: from 2 to 13, 3/4" Eurokonus.
Outlet centre distance: mm.50.



947



SINGLE MANIFOLD, WITH 3/4" EUROKONUS OUTLETS

CODICE	MISURA	PRESSIONE	IMBALLO
9470010002034	1"x3/4"x2	10bar/145psi	2/24
9470010003034	1"x3/4"x3	10bar/145psi	2/24
9470010004034	1"x3/4"x4	10bar/145psi	2/16
9470010005034	1"x3/4"x5	10bar/145psi	2/16
9470010006034	1"x3/4"x6	10bar/145psi	2/16
9470010007034	1"x3/4"x7	10bar/145psi	2/6
9470010008034	1"x3/4"x8	10bar/145psi	2/4
9470010009034	1"x3/4"x9	10bar/145psi	2/4
9470010010034	1"x3/4"x10	10bar/145psi	2/4
9470010011034	1"x3/4"x11	10bar/145psi	2/4
9470010012034	1"x3/4"x12	10bar/145psi	2/4
9470010013034	1"x3/4"x13	10bar/145psi	2/4

Distribution manifold in stainless steel AISI 304L.
Available sizes: 1".
Maximum working pressure: 10 bar.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Outlets: from 2 to 13, 3/4" Eurokonus.
Outlet centre distance: mm.50.



498



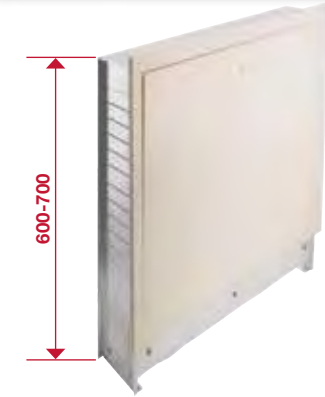
Complete with basement and support for floor installation.
Equipped with plaster protection.

CODICE	MISURA	IMBALLO
498500500	500x500x(80-130)	1/1
498600500	600x500x(80-130)	1/1
498700500	700x500x(80-130)	1/1
498800500	800x500x(80-130)	1/1
498900500	900x500x(80-130)	1/1
4981000500	1000x500x(80-130)	1/1
4981100500	1100x500x(80-130)	1/1

Enclosure, telescopic door frame and door in zincplated steel.
Painted door.
Adjustable depth: from mm. 80 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Adjustable height: from mm. 600 to mm. 700.

METAL BOX FOR MANIFOLDS

498R



Complete with basement and support for floor installation.
Equipped with plaster protection.

CODICE	MISURA	IMBALLO
498500450	500x450x(90-130)	1/1
498600450	600x450x(90-130)	1/1
498700450	700x450x(90-130)	1/1
498850450	850x450x(90-130)	1/1
4981000450	1000x450x(90-130)	1/1
4981100450	1100x450x(90-130)	1/1

Zincplated steel enclosure, telescopic, door frame and door.
The telescopic door frame and the door are painted.
Adjustable depth: mm. 90 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Overall height: mm. 575.

METAL BOX FOR MANIFOLDS - COMPACT MODEL

498ST



The set includes a pair of brackets with screws and fixings.
For installation in box art. 498 - 498R:

CODICE	MISURA	IMBALLO
498ST100K	1"	1/20

CODICE	MISURA	IMBALLO
498ST100KM	1"	1/20

CODICE	MISURA	IMBALLO
498ST100KMB	1"	1/20

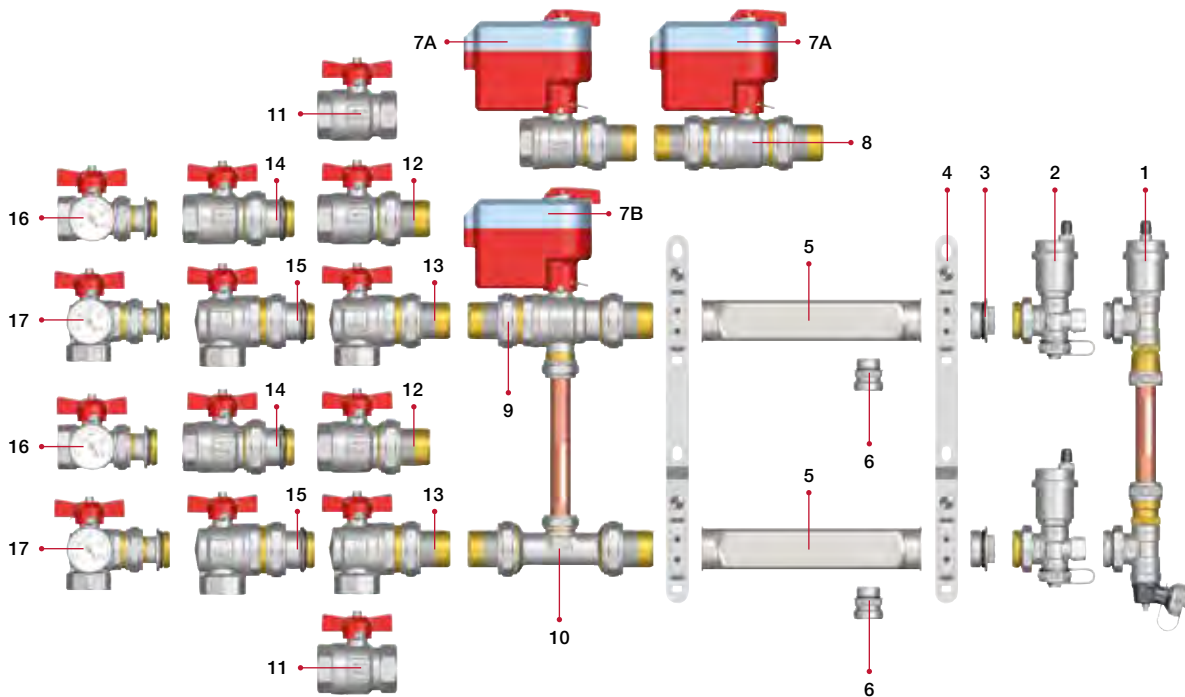
MOUNTING BRACKETS IN STEEL FOR METAL BOXES ART. 498 AND 498R

- 498STK: Standard version: centres distance mm. 200, offset: 12mm. Suitable for outlets pipe up to 20mm.
- 498STKM: Deeper version: centres distance mm. 200, offset: 30mm. Suitable for outlets pipe up to 25mm.
- 498STKMB: Deeper version: centres distance mm. 211, offset: 30mm. Suitable for outlets pipe up to 25mm.



CHARTS AND ACCESSORIES

ACCESSORIES CHART ART. 852 MANIFOLDS IN METAL BOXES

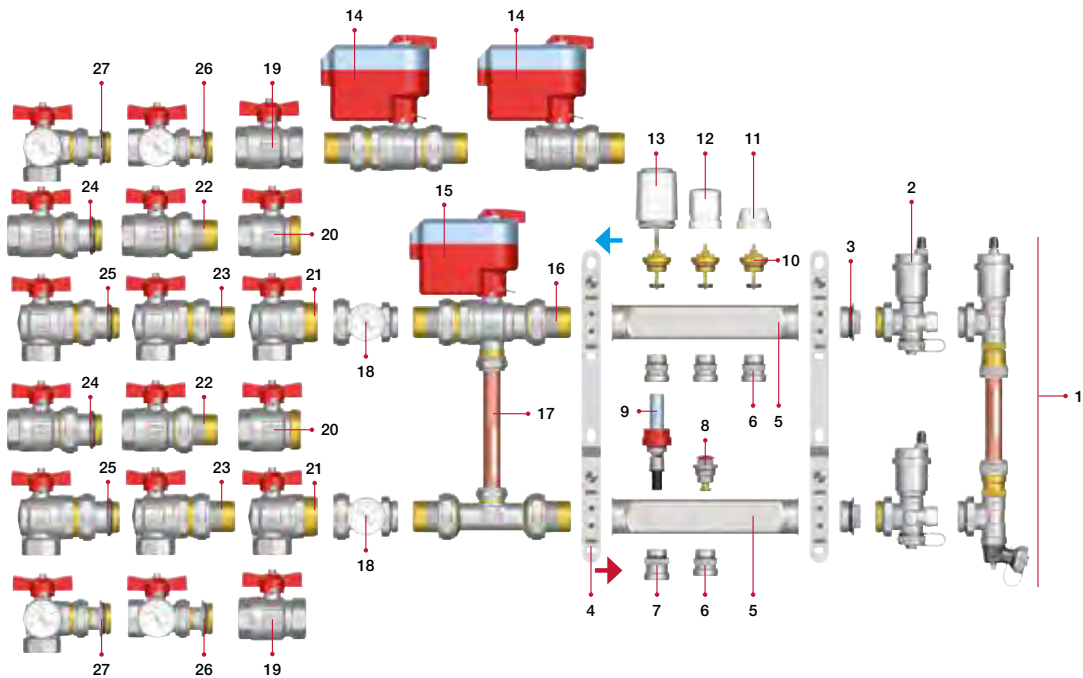


POS	ART	DESCRIPTION	CAP	PG
1	860BY	Off-centre by-pass kit	5	149
2	489AR	Adjustable end piece with drain valve and automatic air vent valve	5	151
3	494	Male end cap with o-ring	5	157
4	498ST	Mounting brackets in steel for metal boxes	5	131
5	852	Stainless steel manifold	5	119
6	518N	Male/male adapter	5	150
7A	990 - 991 989	Electric actuator for zone ball valves Electric actuator for 2-way zone ball valves	5	113
7B	990 - 991	Electric actuator for zone ball valves	5	113
8	980 - 981	2-way zone ball valve - 2-way zone ball valve MM	5	113
9	984	3-way zone ball valve	5	115
10	988	By-pass kit for zone valves	5	115
11	092	Ball valve, T handle	2	33
12	098	Ball valve for manifold	2	36
13	298	Angle ball valve for manifold	2	38
14	098S	Ball valve for manifold with o-ring on the union	2	36
15	298S	Angle ball valve for manifold with o-ring on the union	2	38
16	487K01R	Straight ball valves kit and thermometer - compact	5	40
17	487K02R	Angle ball valves kit and thermometer - compact	5	40



CHARTS AND ACCESSORIES

ACCESSORIES CHART ART. 862 MANIFOLDS IN METAL BOXES



POS	ART	DESCRIPTION	CAP	PG
1	860BY	Off-centre by-pass kit	5	149
2	489AR	Adjustable end piece with drain valve and automatic air vent valve	5	151
3	494	Male end cap	5	157
4	498ST	Mounting brackets in steel for metal boxes	5	131
5	862	Stainless steel manifold	5	119
6	518N	Male/male adapter 1"	5	150
7	471N	Adapter for flow meters - 1"	5	150
8	Vitonde	Lockshield	-	-
9	471FL	Flow meter	5	150
10	Vitonvat	Convertible control spindle	-	-
11	894CPN	Protection cap	-	-
12	894VM	Handle	-	-
13	891M - 891MR -891MR	Electrothermal actuator	5	149-150
14	990 - 991 989	Electric actuator for zone ball valves - Electric actuator for 2-way zone ball valves	5	113
15	990 - 991	Electric actuator for zone ball valves	5	113
16	984	3-way zone ball valve	5	115
17	988	By-pass kit for zone valves	5	115
18	492BC	Thermometer union complete with thermometer	5	156
19	092	Ball valve, T handle	2	33
20	098SDC	Ball valve for manifolds without union	2	37
21	298SDC	Angle ball valve for manifolds without union	2	38
22	098	Ball valve for manifolds	2	36
23	298	Angle ball valve for manifolds	2	38
24	098S	Ball valve for manifolds with o-ring on the union	2	36
25	298S	Angle ball valve for manifolds with o-ring on the union	2	38
26	487K01R	Straight ball valves kit and thermometer - compact	5	40
27	487K02R	Angle ball valves kit and thermometer - compact	5	40

850/50

Nickel-plated distribution manifold made out of profiled brass bars with female outlets, suitable for fittings for copper, PEX, polybutylene or multilayer piping.

850/50-3/4"

CODICE	MISURA	PRESSIONE	IMBALLO
85000340250	3/4" x 2	10bar/145psi	1/69
85000340350	3/4" x 3	10bar/145psi	1/48
85000340450	3/4" x 4	10bar/145psi	1/30
85000340550	3/4" x 5	10bar/145psi	1/30
85000340650	3/4" x 6	10bar/145psi	1/21
85000340750	3/4" x 7	10bar/145psi	1/21
85000340850	3/4" x 8	10bar/145psi	1/15
85000340950	3/4" x 9	10bar/145psi	1/15
85000341050	3/4" x 10	10bar/145psi	1/15

850/50-1"

CODICE	MISURA	PRESSIONE	IMBALLO
85001000250	1" x 2	10bar/145psi	1/51
85001000350	1" x 3	10bar/145psi	1/39
85001000450	1" x 4	10bar/145psi	1/24
85001000550	1" x 5	10bar/145psi	1/24
85001000650	1" x 6	10bar/145psi	1/24
85001000750	1" x 7	10bar/145psi	1/12
85001000850	1" x 8	10bar/145psi	1/12
85001000950	1" x 9	10bar/145psi	1/12
85001001050	1" x 10	10bar/145psi	1/12
85001001150	1" x 11	10bar/145psi	1/12
85001001250	1" x 12	10bar/145psi	1/12

850/50-1"1/4

CODICE	MISURA	PRESSIONE	IMBALLO
85001140250	1"1/4 x 2	10bar/145psi	1/26
85001140350	1"1/4 x 3	10bar/145psi	1/20
85001140450	1"1/4 x 4	10bar/145psi	1/12
85001140550	1"1/4 x 5	10bar/145psi	1/8
85001140650	1"1/4 x 6	10bar/145psi	1/12
85001140750	1"1/4 x 7	10bar/145psi	1/12
85001140850	1"1/4 x 8	10bar/145psi	1/6
85001140950	1"1/4 x 9	10bar/145psi	1/6
85001141050	1"1/4 x 10	10bar/145psi	1/6
85001141150	1"1/4 x 11	10bar/145psi	1/6
85001141250	1"1/4 x 12	10bar/145psi	1/6

Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Size of the outlets: 1/2" F.

NICKEL-PLATED DISTRIBUTION
MANIFOLD MADE OUT OF BRASS BAR



850/38

Nickel-plated distribution manifold made out of profiled brass bars with female outlets, suitable for fittings for copper, PEX, polybutylene or multilayer piping.

850/38-3/4"

CODICE	MISURA	PRESSIONE	IMBALLO
85000340238	3/4" x 2	10bar/145psi	1/81
85000340338	3/4" x 3	10bar/145psi	1/48
85000340438	3/4" x 4	10bar/145psi	1/45
85000340538	3/4" x 5	10bar/145psi	1/30
85000340638	3/4" x 6	10bar/145psi	1/30
85000340738	3/4" x 7	10bar/145psi	1/21
85000340838	3/4" x 8	10bar/145psi	1/15
85000340938	3/4" x 9	10bar/145psi	1/15
85000341038	3/4" x 10	10bar/145psi	1/15

850/38-1"

CODICE	MISURA	PRESSIONE	IMBALLO
85001000238	1" x 2	10bar/145psi	1/60
85001000338	1" x 3	10bar/145psi	1/39
85001000438	1" x 4	10bar/145psi	1/27
85001000538	1" x 5	10bar/145psi	1/24
85001000638	1" x 6	10bar/145psi	1/30
85001000738	1" x 7	10bar/145psi	1/24
85001000838	1" x 8	10bar/145psi	1/21
85001000938	1" x 9	10bar/145psi	1/12
85001001038	1" x 10	10bar/145psi	1/12
85001001138	1" x 11	10bar/145psi	1/12
85001001238	1" x 12	10bar/145psi	1/12

Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Size of the outlets: 1/2" F.

NICKEL-PLATED DISTRIBUTION
MANIFOLD MADE OUT OF BRASS BAR



860

Nickel-plated distribution manifold made out of profiled brass bars with female outlets, suitable for fittings for copper, PEX, polybutylene or multilayer piping.

860-1"

CODICE	MISURA	PRESSIONE	IMBALLO
86001000250	1" x 2	10bar/145psi	1/51
86001000350	1" x 3	10bar/145psi	1/39
86001000450	1" x 4	10bar/145psi	1/24
86001000550	1" x 5	10bar/145psi	1/24
86001000650	1" x 6	10bar/145psi	1/24
86001000750	1" x 7	10bar/145psi	1/12
86001000850	1" x 8	10bar/145psi	1/12
86001000950	1" x 9	10bar/145psi	1/12
86001001050	1" x 10	10bar/145psi	1/12
86001001150	1" x 11	10bar/145psi	1/12
86001001250	1" x 12	10bar/145psi	1/12

860-1"1/4

CODICE	MISURA	PRESSIONE	IMBALLO
86001140250	1"1/4 x 2	10bar/145psi	1/26
86001140350	1"1/4 x 3	10bar/145psi	1/20
86001140450	1"1/4 x 4	10bar/145psi	1/12
86001140550	1"1/4 x 5	10bar/145psi	1/8
86001140650	1"1/4 x 6	10bar/145psi	1/12
86001140750	1"1/4 x 7	10bar/145psi	1/12
86001140850	1"1/4 x 8	10bar/145psi	1/8
86001140950	1"1/4 x 9	10bar/145psi	1/8
86001141050	1"1/4 x 10	10bar/145psi	1/8
86001141150	1"1/4 x 11	10bar/145psi	1/8
86001141250	1"1/4 x 12	10bar/145psi	1/6

Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Size of the outlets: 1/2" F.

NICKEL-PLATED DISTRIBUTION
MANIFOLD MADE OUT OF BRASS BAR



905C



COMPLETE PRE-ASSEMBLED
MANIFOLD, WITH FLOW METERS

905C

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm.
Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9050010002034C	1"x3/4"x2	6bar/87psi	1/1
9050010003034C	1"x3/4"x3	6bar/87psi	1/1
9050010004034C	1"x3/4"x4	6bar/87psi	1/1
9050010005034C	1"x3/4"x5	6bar/87psi	1/1
9050010006034C	1"x3/4"x6	6bar/87psi	1/1
9050010007034C	1"x3/4"x7	6bar/87psi	1/1
9050010008034C	1"x3/4"x8	6bar/87psi	1/1
9050010009034C	1"x3/4"x9	6bar/87psi	1/1
9050010010034C	1"x3/4"x10	6bar/87psi	1/1
9050010011034C	1"x3/4"x11	6bar/87psi	1/1
9050010012034C	1"x3/4"x12	6bar/87psi	1/1
9050010013034C	1"x3/4"x13	6bar/87psi	1/1

90580C

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9058010002034C	1"x3/4"x2	6bar/87psi	1/1
9058010003034C	1"x3/4"x3	6bar/87psi	1/1
9058010004034C	1"x3/4"x4	6bar/87psi	1/1
9058010005034C	1"x3/4"x5	6bar/87psi	1/1
9058010006034C	1"x3/4"x6	6bar/87psi	1/1
9058010007034C	1"x3/4"x7	6bar/87psi	1/1
9058010008034C	1"x3/4"x8	6bar/87psi	1/1
9058010009034C	1"x3/4"x9	6bar/87psi	1/1
9058010010034C	1"x3/4"x10	6bar/87psi	1/1
9058010011034C	1"x3/4"x11	6bar/87psi	1/1
9058010012034C	1"x3/4"x12	6bar/87psi	1/1
9058010013034C	1"x3/4"x13	6bar/87psi	1/1

90590C

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9059010002034C	1"x3/4"x2	6bar/87psi	1/1
9059010003034C	1"x3/4"x3	6bar/87psi	1/1
9059010004034C	1"x3/4"x4	6bar/87psi	1/1
9059010005034C	1"x3/4"x5	6bar/87psi	1/1
9059010006034C	1"x3/4"x6	6bar/87psi	1/1
9059010007034C	1"x3/4"x7	6bar/87psi	1/1
9059010008034C	1"x3/4"x8	6bar/87psi	1/1
9059010009034C	1"x3/4"x9	6bar/87psi	1/1
9059010010034C	1"x3/4"x10	6bar/87psi	1/1
9059010011034C	1"x3/4"x11	6bar/87psi	1/1
9059010012034C	1"x3/4"x12	6bar/87psi	1/1
9059010013034C	1"x3/4"x13	6bar/87psi	1/1

Consisting of:

- 1 return manifold in nickel-plated brass with shut-off valves preset for electrothermal actuators
- 1 flow manifold in nickel-plated brass with flow meters
- 2 complete metal brackets
- 2 shut-off ball valves with thermometers
- 2 end pieces with air vent valve and drain cock

Available sizes: 1".

Maximum working pressure: 6 bar (10 bar for installation test).

Maximum working temperature: 70°C

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.

Available on demand with 1/2" outlets.



100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets; accessories will be supplied separately, inside the same box.

910C



COMPLETE PRE-ASSEMBLED
MANIFOLD, WITH LOCKSHIELDS

910C

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm.
Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9100010002034C	1"x3/4"x2	10bar/145psi	1/1
9100010003034C	1"x3/4"x3	10bar/145psi	1/1
9100010004034C	1"x3/4"x4	10bar/145psi	1/1
9100010005034C	1"x3/4"x5	10bar/145psi	1/1
9100010006034C	1"x3/4"x6	10bar/145psi	1/1
9100010007034C	1"x3/4"x7	10bar/145psi	1/1
9100010008034C	1"x3/4"x8	10bar/145psi	1/1
9100010009034C	1"x3/4"x9	10bar/145psi	1/1
9100010010034C	1"x3/4"x10	10bar/145psi	1/1
9100010011034C	1"x3/4"x11	10bar/145psi	1/1
9100010012034C	1"x3/4"x12	10bar/145psi	1/1
9100010013034C	1"x3/4"x13	10bar/145psi	1/1

91080C

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9108010002034C	1"x3/4"x2	10bar/145psi	1/1
9108010003034C	1"x3/4"x3	10bar/145psi	1/1
9108010004034C	1"x3/4"x4	10bar/145psi	1/1
9108010005034C	1"x3/4"x5	10bar/145psi	1/1
9108010006034C	1"x3/4"x6	10bar/145psi	1/1
9108010007034C	1"x3/4"x7	10bar/145psi	1/1
9108010008034C	1"x3/4"x8	10bar/145psi	1/1
9108010009034C	1"x3/4"x9	10bar/145psi	1/1
9108010010034C	1"x3/4"x10	10bar/145psi	1/1
9108010011034C	1"x3/4"x11	10bar/145psi	1/1
9108010012034C	1"x3/4"x12	10bar/145psi	1/1
9108010013034C	1"x3/4"x13	10bar/145psi	1/1

91090C

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9109010002034C	1"x3/4"x2	10bar/145psi	1/1
9109010003034C	1"x3/4"x3	10bar/145psi	1/1
9109010004034C	1"x3/4"x4	10bar/145psi	1/1
9109010005034C	1"x3/4"x5	10bar/145psi	1/1
9109010006034C	1"x3/4"x6	10bar/145psi	1/1
9109010007034C	1"x3/4"x7	10bar/145psi	1/1
9109010008034C	1"x3/4"x8	10bar/145psi	1/1
9109010009034C	1"x3/4"x9	10bar/145psi	1/1
9109010010034C	1"x3/4"x10	10bar/145psi	1/1
9109010011034C	1"x3/4"x11	10bar/145psi	1/1
9109010012034C	1"x3/4"x12	10bar/145psi	1/1
9109010013034C	1"x3/4"x13	10bar/145psi	1/1

Consisting of:

- 1 return manifold in nickel-plated brass with shut-off valves preset for electrothermal actuators
- 1 flow manifold in nickel-plated brass with lockshields
- 2 complete metal brackets
- 2 shut-off ball valves with thermometers
- 2 end pieces with air vent valve and drain cock

Available sizes: 1".

Maximum working pressure: 10 bar.

Maximum working temperature: 80°C.

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.

Available on demand with 1/2" outlets.



100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets; accessories will be supplied separately, inside the same box.

915C



PRE-ASSEMBLED MANIFOLD WITH FLOW METERS

915C

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm. Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9150010002034C	1"x3/4"x2	6bar/87psi	1/1
9150010003034C	1"x3/4"x3	6bar/87psi	1/1
9150010004034C	1"x3/4"x4	6bar/87psi	1/1
9150010005034C	1"x3/4"x5	6bar/87psi	1/1
9150010006034C	1"x3/4"x6	6bar/87psi	1/1
9150010007034C	1"x3/4"x7	6bar/87psi	1/1
9150010008034C	1"x3/4"x8	6bar/87psi	1/1
9150010009034C	1"x3/4"x9	6bar/87psi	1/1
9150010010034C	1"x3/4"x10	6bar/87psi	1/1
9150010011034C	1"x3/4"x11	6bar/87psi	1/1
9150010012034C	1"x3/4"x12	6bar/87psi	1/1
9150010013034C	1"x3/4"x13	6bar/87psi	1/1

91580C

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9158010002034C	1"x3/4"x2	6bar/87psi	1/1
9158010003034C	1"x3/4"x3	6bar/87psi	1/1
9158010004034C	1"x3/4"x4	6bar/87psi	1/1
9158010005034C	1"x3/4"x5	6bar/87psi	1/1
9158010006034C	1"x3/4"x6	6bar/87psi	1/1
9158010007034C	1"x3/4"x7	6bar/87psi	1/1
9158010008034C	1"x3/4"x8	6bar/87psi	1/1
9158010009034C	1"x3/4"x9	6bar/87psi	1/1
9158010010034C	1"x3/4"x10	6bar/87psi	1/1
9158010011034C	1"x3/4"x11	6bar/87psi	1/1
9158010012034C	1"x3/4"x12	6bar/87psi	1/1
9158010013034C	1"x3/4"x13	6bar/87psi	1/1

91590C

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9159010002034C	1"x3/4"x2	6bar/87psi	1/1
9159010003034C	1"x3/4"x3	6bar/87psi	1/1
9159010004034C	1"x3/4"x4	6bar/87psi	1/1
9159010005034C	1"x3/4"x5	6bar/87psi	1/1
9159010006034C	1"x3/4"x6	6bar/87psi	1/1
9159010007034C	1"x3/4"x7	6bar/87psi	1/1
9159010008034C	1"x3/4"x8	6bar/87psi	1/1
9159010009034C	1"x3/4"x9	6bar/87psi	1/1
9159010010034C	1"x3/4"x10	6bar/87psi	1/1
9159010011034C	1"x3/4"x11	6bar/87psi	1/1
9159010012034C	1"x3/4"x12	6bar/87psi	1/1
9159010013034C	1"x3/4"x13	6bar/87psi	1/1

Consisting of:

- 1 return manifold in nickel-plated brass with shut-off valves preset for electrothermal actuators
 - 1 flow manifold in nickel-plated brass with flow meters
 - 2 complete metal brackets
- Available sizes: 1".
Maximum working pressure: 6 bar (10 bar for installation test).
Maximum working temperature: 70°C
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Outlets: from 2 to 13, 3/4" Eurokonus.
Outlet centre distance: mm.50.
Available on demand with 1/2" outlets.



100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets.

916C



PRE-ASSEMBLED MANIFOLD WITH FLOW METERS, AIR VENT VALVE AND DRAIN COCK

916C

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm. Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9160010002034C	1"x3/4"x2	6bar/87psi	1/1
9160010003034C	1"x3/4"x3	6bar/87psi	1/1
9160010004034C	1"x3/4"x4	6bar/87psi	1/1
9160010005034C	1"x3/4"x5	6bar/87psi	1/1
9160010006034C	1"x3/4"x6	6bar/87psi	1/1
9160010007034C	1"x3/4"x7	6bar/87psi	1/1
9160010008034C	1"x3/4"x8	6bar/87psi	1/1
9160010009034C	1"x3/4"x9	6bar/87psi	1/1
9160010010034C	1"x3/4"x10	6bar/87psi	1/1
9160010011034C	1"x3/4"x11	6bar/87psi	1/1
9160010012034C	1"x3/4"x12	6bar/87psi	1/1
9160010013034C	1"x3/4"x13	6bar/87psi	1/1

91680C

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9168010002034C	1"x3/4"x2	6bar/87psi	1/1
9168010003034C	1"x3/4"x3	6bar/87psi	1/1
9168010004034C	1"x3/4"x4	6bar/87psi	1/1
9168010005034C	1"x3/4"x5	6bar/87psi	1/1
9168010006034C	1"x3/4"x6	6bar/87psi	1/1
9168010007034C	1"x3/4"x7	6bar/87psi	1/1
9168010008034C	1"x3/4"x8	6bar/87psi	1/1
9168010009034C	1"x3/4"x9	6bar/87psi	1/1
9168010010034C	1"x3/4"x10	6bar/87psi	1/1
9168010011034C	1"x3/4"x11	6bar/87psi	1/1
9168010012034C	1"x3/4"x12	6bar/87psi	1/1
9168010013034C	1"x3/4"x13	6bar/87psi	1/1

91690C

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm. Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9169010002034C	1"x3/4"x2	6bar/87psi	1/1
9169010003034C	1"x3/4"x3	6bar/87psi	1/1
9169010004034C	1"x3/4"x4	6bar/87psi	1/1
9169010005034C	1"x3/4"x5	6bar/87psi	1/1
9169010006034C	1"x3/4"x6	6bar/87psi	1/1
9169010007034C	1"x3/4"x7	6bar/87psi	1/1
9169010008034C	1"x3/4"x8	6bar/87psi	1/1
9169010009034C	1"x3/4"x9	6bar/87psi	1/1
9169010010034C	1"x3/4"x10	6bar/87psi	1/1
9169010011034C	1"x3/4"x11	6bar/87psi	1/1
9169010012034C	1"x3/4"x12	6bar/87psi	1/1
9169010013034C	1"x3/4"x13	6bar/87psi	1/1

Consisting of:

- 1 return manifold in nickel-plated brass with shut-off valves preset for electrothermal actuators
 - 1 flow manifold in nickel-plated brass with flow meters
 - 2 adjustable end pieces with drain valve and manual air vent valve
 - 2 complete metal brackets
- Available sizes: 1".
Maximum working pressure: 6 bar (10 bar for installation test).
Maximum working temperature: 70°C
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Outlets: from 2 to 13, 3/4" Eurokonus.
Outlet centre distance: mm.50.
Available on demand with 1/2" outlets.



100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets; accessories will be supplied separately, inside the same box.

920C



PRE-ASSEMBLED MANIFOLD WITH LOCKSHIELDS

920C

With standard mounting bracket 498STK: centres distance mm. 200, offset: 12mm.
Suitable for outlets pipe up to 20mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9200010002034C	1"x3/4"x2	10bar/145psi	1/1
9200010003034C	1"x3/4"x3	10bar/145psi	1/1
9200010004034C	1"x3/4"x4	10bar/145psi	1/1
9200010005034C	1"x3/4"x5	10bar/145psi	1/1
9200010006034C	1"x3/4"x6	10bar/145psi	1/1
9200010007034C	1"x3/4"x7	10bar/145psi	1/1
9200010008034C	1"x3/4"x8	10bar/145psi	1/1
9200010009034C	1"x3/4"x9	10bar/145psi	1/1
9200010010034C	1"x3/4"x10	10bar/145psi	1/1
9200010011034C	1"x3/4"x11	10bar/145psi	1/1
9200010012034C	1"x3/4"x12	10bar/145psi	1/1
9200010013034C	1"x3/4"x13	10bar/145psi	1/1

92080C

With deeper mounting bracket 498STKM: centres distance mm. 200, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9208010002034C	1"x3/4"x2	10bar/145psi	1/1
9208010003034C	1"x3/4"x3	10bar/145psi	1/1
9208010004034C	1"x3/4"x4	10bar/145psi	1/1
9208010005034C	1"x3/4"x5	10bar/145psi	1/1
9208010006034C	1"x3/4"x6	10bar/145psi	1/1
9208010007034C	1"x3/4"x7	10bar/145psi	1/1
9208010008034C	1"x3/4"x8	10bar/145psi	1/1
9208010009034C	1"x3/4"x9	10bar/145psi	1/1
9208010010034C	1"x3/4"x10	10bar/145psi	1/1
9208010011034C	1"x3/4"x11	10bar/145psi	1/1
9208010012034C	1"x3/4"x12	10bar/145psi	1/1
9208010013034C	1"x3/4"x13	10bar/145psi	1/1

92090C

With deeper mounting bracket 498STKMB: centres distance mm. 211, offset: 30mm.
Suitable for outlets pipe up to 25mm.

CODICE	MISURA	PRESSIONE	IMBALLO
9209010002034C	1"x3/4"x2	10bar/145psi	1/1
9209010003034C	1"x3/4"x3	10bar/145psi	1/1
9209010004034C	1"x3/4"x4	10bar/145psi	1/1
9209010005034C	1"x3/4"x5	10bar/145psi	1/1
9209010006034C	1"x3/4"x6	10bar/145psi	1/1
9209010007034C	1"x3/4"x7	10bar/145psi	1/1
9209010008034C	1"x3/4"x8	10bar/145psi	1/1
9209010009034C	1"x3/4"x9	10bar/145psi	1/1
9209010010034C	1"x3/4"x10	10bar/145psi	1/1
9209010011034C	1"x3/4"x11	10bar/145psi	1/1
9209010012034C	1"x3/4"x12	10bar/145psi	1/1
9209010013034C	1"x3/4"x13	10bar/145psi	1/1

Consisting of:

- 1 return manifold in nickel-plated brass with shut-off valves preset for electrothermal actuators
- 1 flow manifold in nickel-plated brass with lockshields
- 2 complete metal brackets

Available sizes: 1".

Maximum working pressure: 10 bar.

Maximum working temperature: 80°C.

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.

Available on demand with 1/2" outlets.



100% TESTED

In case of use of electric actuators Art. 891M and 891MR, it is suggested to use the off-centre by-pass kit Art. 860BY. ATTENTION: manifolds will be supplied mounted on the brackets.

925



SINGLE MANIFOLD WITH LOCKSHIELDS

925

CODICE	MISURA	PRESSIONE	IMBALLO
9250010002034	1"x3/4"x2	10bar/145psi	1/12
9250010003034	1"x3/4"x3	10bar/145psi	1/12
9250010004034	1"x3/4"x4	10bar/145psi	1/8
9250010005034	1"x3/4"x5	10bar/145psi	1/8
9250010006034	1"x3/4"x6	10bar/145psi	1/8
9250010007034	1"x3/4"x7	10bar/145psi	1/8
9250010008034	1"x3/4"x8	10bar/145psi	1/3
9250010009034	1"x3/4"x9	10bar/145psi	1/2
9250010010034	1"x3/4"x10	10bar/145psi	1/2
9250010011034	1"x3/4"x11	10bar/145psi	1/2
9250010012034	1"x3/4"x12	10bar/145psi	1/2
9250010013034	1"x3/4"x13	10bar/145psi	1/2

Available sizes: 1".

Maximum working pressure: 10 bar.

Maximum working temperature: 80°C.

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.

Available on demand with 1/2" outlets.



930



SINGLE MANIFOLD WITH FLOW METERS

930

CODICE	MISURA	PRESSIONE	IMBALLO
9300010002034	1"x3/4"x2	6bar/87psi	1/12
9300010003034	1"x3/4"x3	6bar/87psi	1/12
9300010004034	1"x3/4"x4	6bar/87psi	1/8
9300010005034	1"x3/4"x5	6bar/87psi	1/8
9300010006034	1"x3/4"x6	6bar/87psi	1/8
9300010007034	1"x3/4"x7	6bar/87psi	1/8
9300010008034	1"x3/4"x8	6bar/87psi	1/3
9300010009034	1"x3/4"x9	6bar/87psi	1/2
9300010010034	1"x3/4"x10	6bar/87psi	1/2
9300010011034	1"x3/4"x11	6bar/87psi	1/2
9300010012034	1"x3/4"x12	6bar/87psi	1/2
9300010013034	1"x3/4"x13	6bar/87psi	1/2

Available sizes: 1".

Maximum working pressure: 6 bar (10 bar for installation test).

Maximum working temperature: 70°C

Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

Outlets: from 2 to 13, 3/4" Eurokonus.

Outlet centre distance: mm.50.

Available on demand with 1/2" outlets.



935



Shut-off valves preset for electrothermal actuators.

SINGLE MANIFOLD, WITH SHUT-OFF VALVES PRESET FOR ELECTROTHERMAL ACTUATORS - WITH HANDLES

CODICE	MISURA	PRESSIONE	IMBALLO
9350010002034	1"x3/4"x2	10bar/145psi	1/12
9350010003034	1"x3/4"x3	10bar/145psi	1/12
9350010004034	1"x3/4"x4	10bar/145psi	1/8
9350010005034	1"x3/4"x5	10bar/145psi	1/8
9350010006034	1"x3/4"x6	10bar/145psi	1/8
9350010007034	1"x3/4"x7	10bar/145psi	1/8
9350010008034	1"x3/4"x8	10bar/145psi	1/3
9350010009034	1"x3/4"x9	10bar/145psi	1/2
9350010010034	1"x3/4"x10	10bar/145psi	1/2
9350010011034	1"x3/4"x11	10bar/145psi	1/2
9350010012034	1"x3/4"x12	10bar/145psi	1/2
9350010013034	1"x3/4"x13	10bar/145psi	1/2

Available sizes: 1".
Maximum working pressure: 10 bar.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Outlets: from 2 to 13, 3/4" Eurokonus.
Outlet centre distance: mm.50.
Available on demand with 1/2" outlets.



940



Shut-off valves preset for electrothermal actuators.

SINGLE MANIFOLD WITH SHUT-OFF VALVES PRESET FOR ELECTROTHERMAL ACTUATORS - WITH CAPS

CODICE	MISURA	PRESSIONE	IMBALLO
9400010002034	1"x3/4"x2	10bar/145psi	1/12
9400010003034	1"x3/4"x3	10bar/145psi	1/12
9400010004034	1"x3/4"x4	10bar/145psi	1/8
9400010005034	1"x3/4"x5	10bar/145psi	1/8
9400010006034	1"x3/4"x6	10bar/145psi	1/8
9400010007034	1"x3/4"x7	10bar/145psi	1/8
9400010008034	1"x3/4"x8	10bar/145psi	1/3
9400010009034	1"x3/4"x9	10bar/145psi	1/2
9400010010034	1"x3/4"x10	10bar/145psi	1/2
9400010011034	1"x3/4"x11	10bar/145psi	1/2
9400010012034	1"x3/4"x12	10bar/145psi	1/2
9400010013034	1"x3/4"x13	10bar/145psi	1/2

Available sizes: 1".
Maximum working pressure: 10 bar.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Outlets: from 2 to 13, 3/4" Eurokonus.
Outlet centre distance: mm.50.
Available on demand with 1/2" outlets.



945



SINGLE MANIFOLD, WITH 3/4" EUROKONUS OUTLETS

CODICE	MISURA	PRESSIONE	IMBALLO
9450010002034	1"x3/4"x2	10bar/145psi	2/16
9450010003034	1"x3/4"x3	10bar/145psi	2/24
9450010004034	1"x3/4"x4	10bar/145psi	2/16
9450010005034	1"x3/4"x5	10bar/145psi	2/16
9450010006034	1"x3/4"x6	10bar/145psi	2/16
9450010007034	1"x3/4"x7	10bar/145psi	2/16
9450010008034	1"x3/4"x8	10bar/145psi	2/6
9450010009034	1"x3/4"x9	10bar/145psi	2/4
9450010010034	1"x3/4"x10	10bar/145psi	2/4
9450010011034	1"x3/4"x11	10bar/145psi	2/4
9450010012034	1"x3/4"x12	10bar/145psi	2/4
9450010013034	1"x3/4"x13	10bar/145psi	2/4

Available sizes: 1".
Maximum working pressure: 10 bar.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Outlets: from 2 to 13, 3/4" Eurokonus.
Outlet centre distance: mm.50.



498



METAL BOX FOR MANIFOLDS

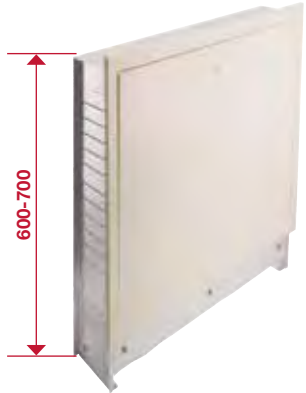
Complete with basement and support for floor installation.
Equipped with plaster protection.

498

CODICE	MISURA	IMBALLO
498500500	500x500x(80-130)	1/1
498600500	600x500x(80-130)	1/1
498700500	700x500x(80-130)	1/1
498800500	800x500x(80-130)	1/1
498900500	900x500x(80-130)	1/1
4981000500	1000x500x(80-130)	1/1
4981100500	1100x500x(80-130)	1/1

Enclosure, telescopic door frame and door in zincplated steel.
Painted door.
Adjustable depth: from mm. 80 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Adjustable height: from mm. 600 to mm. 700.

498R



METAL BOX FOR MANIFOLDS - COMPACT MODEL

Complete with basement and support for floor installation.
Equipped with plaster protection.

CODICE	MISURA	IMBALLO
498500450	500x450x(90-130)	1/1
498600450	600x450x(90-130)	1/1
498700450	700x450x(90-130)	1/1
498850450	850x450x(90-130)	1/1
4981000450	1000x450x(90-130)	1/1
4981100450	1100x450x(90-130)	1/1

Zincplated steel enclosure, telescopic, door frame and door.
The telescopic door frame and the door are painted.
Adjustable depth: mm. 90 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Overall height: mm. 575.

498ST



The set includes a pair of brackets with screws and fixings.
For installation in box art. 498 - 498R:

CODICE	MISURA	IMBALLO
498ST034K	3/4"	1/20
498ST100K	1"	1/20
498ST114K	1"1/4	1/20

CODICE	MISURA	IMBALLO
498ST100KM	1"	1/20

CODICE	MISURA	IMBALLO
498ST100KMB	1"	1/20

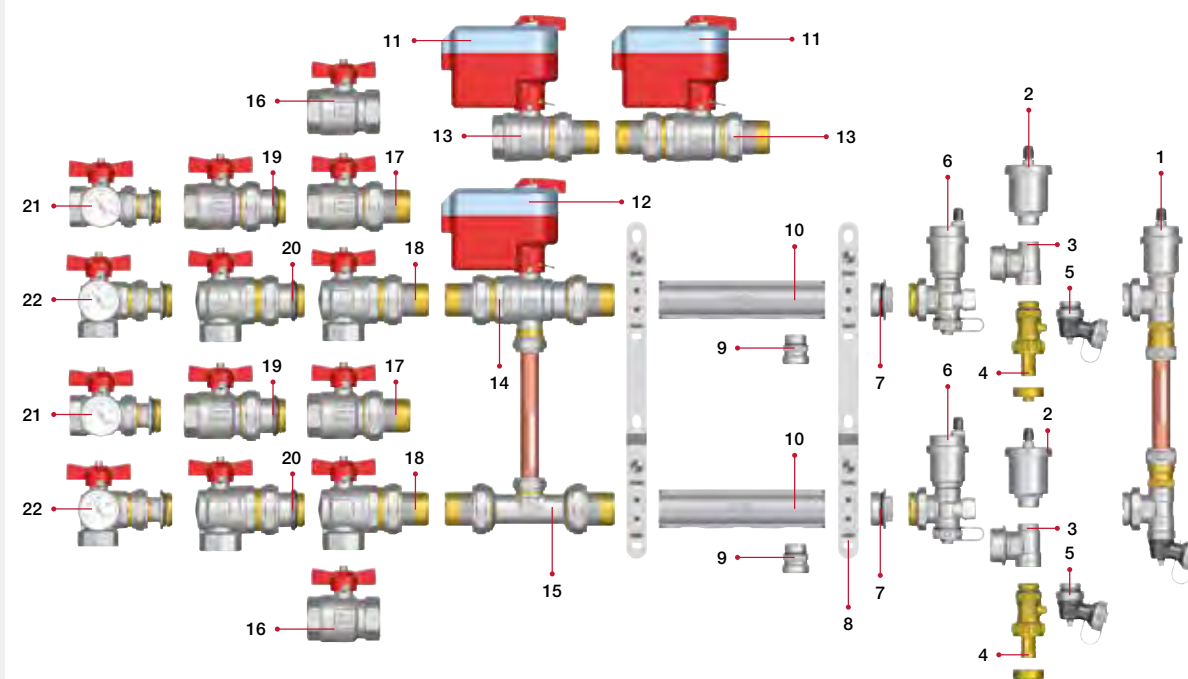
- 498STK: Standard version: centres distance mm. 200, offset: 12mm. Suitable for outlets pipe up to 20mm.
- 498STKM: Deeper version: centres distance mm. 200, offset: 30mm. Suitable for outlets pipe up to 25mm.
- 498STKMB: Deeper version: centres distance mm. 211, offset: 30mm. Suitable for outlets pipe up to 25mm.

MOUNTING BRACKETS IN STEEL FOR METAL BOXES ART. 498 AND 498R



CHARTS AND ACCESSORIES

ACCESSORIES CHART ART. 850 FOR METAL BOXES

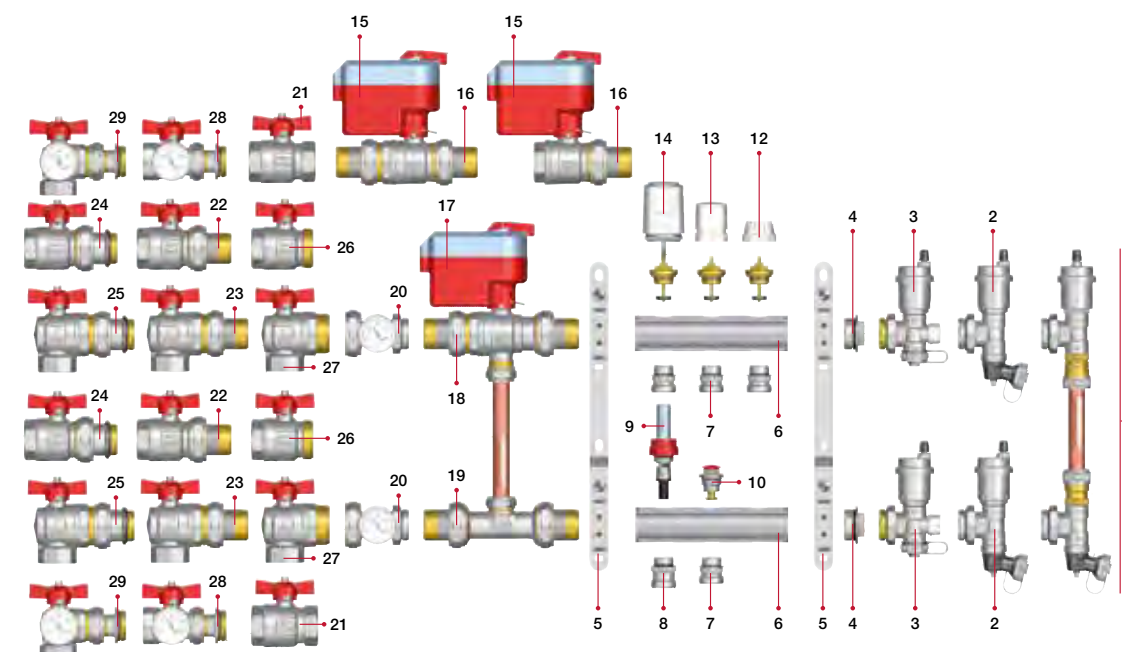


POS	ART	DESCRIPTION	CAP	PG
1	860BY	Kit by-pass eccentrico	5	149
2	362 - 362R	Automatic air vent valve	5	160
3	490	Male 3-way end fitting for manifolds	5	155
4	139	Drain ball valve with brass hose connection	2	62
5	489SO	Adjustable drain cock	5	151
6	489AR	Adjustable end piece with drain valve and automatic air vent valve	5	151
7	494	Male end cap with o-ring	5	157
8	498ST	Mounting brackets in steel for metal boxes	5	143
9	518N	Male/male adapter	5	150
10	850	Distribution manifold in brass bar	5	134
11	990 - 991 989	Electric actuator for zone ball valves Electric actuator for 2-way zone ball	5	113
12	990 - 991	Electric actuator for zone ball valves	5	113
13	980 - 981	2-way zone ball valve - 2-way zone ball valve M/M	5	113
14	984	3-way zone ball valve	5	115
15	988	By-pass kit for zone ball valves	5	115
16	092	Ball valve, T handle	2	33
17	098	Ball valve for manifolds	2	36
18	298	Angle ball valve for manifolds	2	38
19	098S	Ball valve for manifolds with o-ring on the union	2	36
20	298S	Angle ball valve for manifolds with o-ring on the union	2	38
21	487K01R	Straight ball valves kit and thermometer - compact	5	40
22	487K02R	Angle ball valves kit and thermometer - compact	5	40



CHARTS AND ACCESSORIES

ACCESSORIES CHART ART. 860 FOR METAL BOXES



POS	ART	DESCRIPTION	CAP	PG
1	860BY	Off-centre by-pass kit	5	149
2	489A	Adjustable end piece with drain valve and automatic air vent valve	5	151
3	489AR	Adjustable end piece with drain valve and automatic air vent valve	5	151
4	494	Male end cap	5	157
5	498ST	Mounting brackets in steel for metal boxes	5	143
6	860	Brass bar manifold	5	135
7	518N	Male/male adapter 1"	5	150
8	471N	Adapter for flow meters - 1" manifold	5	150
9	471FL	Flow meter	5	150
10	Vitonde	Lockhields	-	-
11	Vitonvat	Convertible control spindle	-	-
12	894CP	Protection cap	-	-
13	894VM	Handle	-	-
14	891M - 891MR	Electrothermal actuator	5	149-150
15	990 - 991 989	Electric actuator for zone ball valves Electric actuator for 2-way zone ball valves	5	113
16	980 - 981	2-way zone ball valve - 2-way zone ball valve M/M	5	113
17	990 - 991	Electric actuators for zone ball valves	5	113
18	984	3-way zone ball valve	5	115
19	988	By-pass kit for zone ball valves	5	115
20	492BC	Thermometer union complete with thermometer	5	115
21	092	Ball valve F/F	2	33
22	098	Ball valve for manifolds	2	36
23	298	Angle ball valve for manifolds	2	38
24	098S	Ball valve for manifolds with o-ring on the union	2	36
25	298S	Angle ball valve for manifolds with o-ring on the union	2	38
26	098SDC	Ball valve for manifolds without union	2	37
27	298SDC	Angle ball valve for manifolds without union	2	38
28	487K01R	Straight ball valves kit and thermometer - compact	5	40
29	487K02R	Angle ball valves kit and thermometer - compact	5	40

949



For a right installation of the set point regulating unit we suggest to use one of the following mounting brackets:

- Art. 498STK with centres distance mm 200 and offset mm 12.
- Art. 949ST.

The set point regulating unit is used for underfloor heating systems and installed directly on the manifold in the box, thanks to its small overall dimensions. The minimum depth of the metal box required for the installation of the regulation unit is 90 mm. The regulation consists of lowering and keeping constant the temperature of the medium fluid using a 3-way mixing valve equipped with an adjustable thermostatic head with a built-in sensor. A circulation pump (available on request) allows fluid to circulate in the pipes, while a safety thermostat limits the maximum temperature.

949CPF
With low energy consumption pump.

CODICE	MISURA	PRESSIONE	IMBALLO
9490100200CPF	1"	6bar/87psi	1/2

949SPF
Without low energy consumption pump.

CODICE	MISURA	PRESSIONE	IMBALLO
9490100200SPF	1"	6bar/87psi	1/4

- Consisting of:
- 3-way mixing valve
 - Thermostatic head with built-in sensor
 - Safety cutoff (factory set at 55°C)
 - Thermometer (scale 0°-80°C) fitted to the flow and return pipes
 - Low energy consumption pump (on demand)
- Technical specifications:
- Medium fluid: water, glycolate solutions max. 30%
 - Temperature setting: 20°C – 55°C
 - Maximum working pressure: 6 bar
 - Body and fittings: nickel-plated brass
 - Available size: 1"
 - ISO 228 threads (equivalent to DIN EN ISO 228 and BS EN ISO 228)



SET POINT REGULATING UNIT

949CEF



CODICE	IMBALLO
949CEF	1/4

Including all the connections required for the correct operation of art. 949 regulating unit:

- boiler enablement (NO)
- room thermostat (RT)
- safety cutoff (ST)
- circulator power supply (PUMP)

It has to be powered at 230V.

WIRING CASE FOR PUMP CONNECTION

949BY



CODICE	MISURA	PRESSIONE	IMBALLO
949BY100	1"	6bar/87psi	1/12

To be installed before art. 949 regulating unit. It allows the flow circulation in the primary circuit. Adjustable for differential pressure between 10 and 30 kPa. Maximum operating temperature: 100°C (without steam). Maximum operating pressure: 6 bar. Available size: 1". Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228). Supplied with a pair of flat EPDM washer.



PRIMARY CIRCUIT BY-PASS KIT

894K

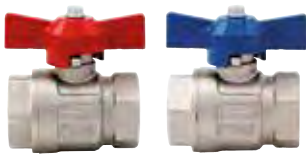


PAIR OF UNION CONNECTIONS, FLAT SEAT

CODICE	MISURA	PRESSIONE	IMBALLO
894DC100MPK	1"	10bar/145psi	1/100

These are required for connecting art. 092K ball valve kit to art. 949 regulating unit. Body in nickel-plated brass. O-ring in EPDM. Maximum operating temperature: 100°C (without steam). Maximum working pressure: 10 bar. Available size: 1"M x 1"F. Supplied with a pair of fibre washer.

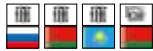
092K



BALL VALVES KIT

CODICE	MISURA	PRESSIONE	IMBALLO
0920100K	1"	40bar/580psi	1/26

Female/female threads. T handle in aluminium. Body in nickel-plated brass. Minimum and maximum working temperatures: -20°C, 150°C in absence of steam. Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



113DFK

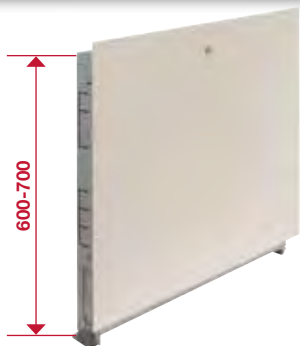


ORIENT BALL VALVE KIT WITH FEMALE SWIVEL, REDUCED FLOW

CODICE	MISURA	PRESSIONE	IMBALLO
1130100100K	1" x 1"	40bar/580psi	1/26

Female/female threads. T handle in aluminium. Nickel-plated brass body and swivel. Minimum and maximum working temperatures: -20°C, 150°C in absence of steam. Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

498



METAL BOX FOR MANIFOLDS

Complete with basement and support for floor installation.
Equipped with plaster protection.

CODICE	MISURA	IMBALLO
498600500	600x500x(80-130)	1/1
498700500	700x500x(80-130)	1/1
498800500	800x500x(80-130)	1/1
498900500	900x500x(80-130)	1/1
4981000500	1000x500x(80-130)	1/1
4981100500	1100x500x(80-130)	1/1

Enclosure, telescopic door frame and door in zincplated steel.
Painted door.
Adjustable depth: from mm. 80 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Adjustable height: from mm. 600 to mm. 700.

498R



METAL BOX FOR MANIFOLDS -
COMPACT MODEL

Complete with basement and support for floor installation.
Equipped with plaster protection.

CODICE	MISURA	IMBALLO
498500450	500x450x(90-130)	1/1
498600450	600x450x(90-130)	1/1
498700450	700x450x(90-130)	1/1
498850450	850x450x(90-130)	1/1
4981000450	1000x450x(90-130)	1/1
4981100450	1100x450x(90-130)	1/1

Zincplated steel enclosure, telescopic, door frame and door.
The telescopic door frame and the door are painted.
Adjustable depth: mm. 90 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Overall height: mm. 575.

498ST

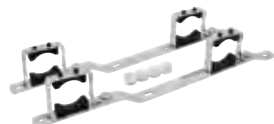


MOUNTING BRACKETS IN STEEL FOR
METAL BOXES ART. 498 AND 498R

CODICE	MISURA	IMBALLO
498ST100K	1"	1/20

The set includes a pair of brackets with screws and fixings.
For installation in box art. 498 - 498R:
- 498STK: Standard version: centres distance mm. 200, offset: 12mm. Suitable for outlets
pipe up to 20mm.

949ST



MOUNTING BRACKETS IN STEEL FOR
METAL BOXES ART. 498 AND 498R

CODICE	MISURA	IMBALLO
949ST211K	1"	1/20

The set includes a pair of brackets with screws and fixings.
4 spacers included.
- 949ST: centres distance mm. 211, offset: 6,5mm.

915CK



EXTENSION KIT FOR MANIFOLDS

CODICE	MISURA	PRESSIONE	IMBALLO
9150010001034CK	1"X3/4"X1"	6bar/87psi	1/12

Consisting of:
- 1 flow manifold in nickel-plated brass with flow meter
- 1 return manifold in nickel-plated brass with shut-off valve preset for electrothermal actuator
- 2 adjustable male/male fittings with o-ring
Maximum working temperature: 70°C
Maximum working pressure: 6 bar.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

497



ADJUSTABLE MALE/MALE FITTING
WITH O-RING

CODICE	MISURA	PRESSIONE	IMBALLO
4970100	1"	10bar/145psi	20/120

Available size: 1"x1".
Body in nickel-plated brass.
Maximum working temperature: 100°C.
Maximum working pressure: 10 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

860BY



To be installed in metal boxes art. 498 -
498R with manifolds made out of brass bar
or stainless steel.

OFF-CENTRE BY-PASS KIT

CODICE	MISURA	PRESSIONE	IMBALLO
860BY	1"	10bar/145psi	1/22

Consisting of:
- 2 adjustable end pieces
- off-centre by-pass pipe
- adjustable drain valve
- air vent valve
Fixed setting: 0,25 bar.
Maximum working temperature: 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

891M



ELECTROTHERMAL ACTUATOR

CODICE	MISURA	IMBALLO
891M2302NC	230-2 fils	1/32
891M2304NC	230-4 fils	1/26

Suitable for pre-assembled manifolds.
Normally closed, on-off operation.
Power supply voltage: 230V.
Power consumption: 1W.
Minimum and maximum working ambient temperatures: 0°C, 60°C.
Closing force: 100N.
Class of protection: IP54.
Available with 2 cables or 4 cables with an auxiliary microswitch.
Capacity of the auxiliary connection: 375mA (4-wire version).
CE marked.

891MR



ELECTROTHERMAL ACTUATOR

CODICE	MISURA	IMBALLO
891M2302NCR	230-2 fils	1/56

Suitable for pre-assembled manifolds.
Normally closed, on-off operation.
Power supply voltage: 230V.
Power consumption: 1,2W.
Minimum and maximum working ambient temperatures: 0°C, 60°C.
Maximum differential pressure: 1,5 bar.
Class of protection: IP54.
Available with 2 cables only.
CE marked.

471FL



FLOW METER

CODICE	MISURA	IMBALLO
471FL012	1/2"	18/144

Flow meter to measure the flow of water in a circuit
- including a device to adjust the flow.
- to be installed with flow manifold.
Body in nickel-plated brass.
Scale: 0-5 l/min.
Accuracy of reading: +/- 10%.
Maximum working temperature: 70°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



471N



ADAPTER FOR FLOW METERS - 1" MANIFOLDS

CODICE	MISURA	PRESSIONE	IMBALLO
4710012034N	1/2" - 3/4" EUROKONUS	20bar/290psi	20/340

Adapter for flow meters, suitable for 1" manifolds.
Available sizes: 1/2"x3/4" eurokonus.
Body in nickel-plated brass.
Maximum working temperature: 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



518N



1/2"x1/2" size is also suitable as adapter for flow meters on 1" manifolds.

MALE/MALE ADAPTER - 1" MANIFOLDS

CODICE	MISURA	PRESSIONE	IMBALLO
5180012012N	1/2" - 1/2"	20bar/290psi	30/570
5180012034N	1/2" - 3/4" EUROKONUS	20bar/290psi	20/440

Available size: 1/2"x1/2", 1/2"x3/4" eurokonus.
Body in nickel-plated brass.
Maximum working temperature: 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Thread G: available in size 1/2" with conical seat and inner diameter mm.16 or in size 3/4" eurokonus.



519N



It is also suitable as adapter for flow meters on 1"1/4 manifolds.

MALE/MALE ADAPTER - 1"1/4 MANIFOLDS

CODICE	MISURA	PRESSIONE	IMBALLO
5190012034N	1/2" - 3/4" EUROKONUS	20bar/290psi	20/360

Available size: 1/2"x3/4" eurokonus.
Body in nickel-plated brass.
Maximum working temperature: 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



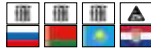
489AR



NICKEL-PLATED ADJUSTABLE END PIECE WITH DRAIN VALVE AND AUTOMATIC AIR VENT VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
4890100AR	1"	10bar/145psi	2/44

Consisting of:
- adjustable male end fitting for manifolds
- automatic air vent valve
- drain valve
Maximum working temperature: 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



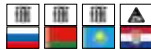
489MR



NICKEL-PLATED ADJUSTABLE END PIECE WITH DRAIN VALVE AND MANUAL AIR VENT VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
4890100MR	1"	10bar/145psi	2/52

Consisting of:
- adjustable male end fitting for manifolds
- manual air vent valve
- drain valve
Maximum working temperature: 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



489A



NICKEL-PLATED ADJUSTABLE END PIECE WITH DRAIN VALVE AND AUTOMATIC AIR VENT VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
4890100A	1"	10bar/145psi	1/26
4890114A	1"1/4	10bar/145psi	1/26

Consisting of:
- adjustable male end fitting for manifolds
- automatic air vent valve
- adjustable drain valve
Maximum working temperature: 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



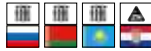
489M



NICKEL-PLATED ADJUSTABLE END PIECE WITH DRAIN VALVE AND MANUAL AIR VENT VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
4890100M	1"	10bar/145psi	1/26
4890114M	1"1/4	10bar/145psi	1/26

Consisting of:
- adjustable male end fitting for manifolds
- manual air vent valve
- adjustable drain valve
Maximum working temperature: 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



489SO



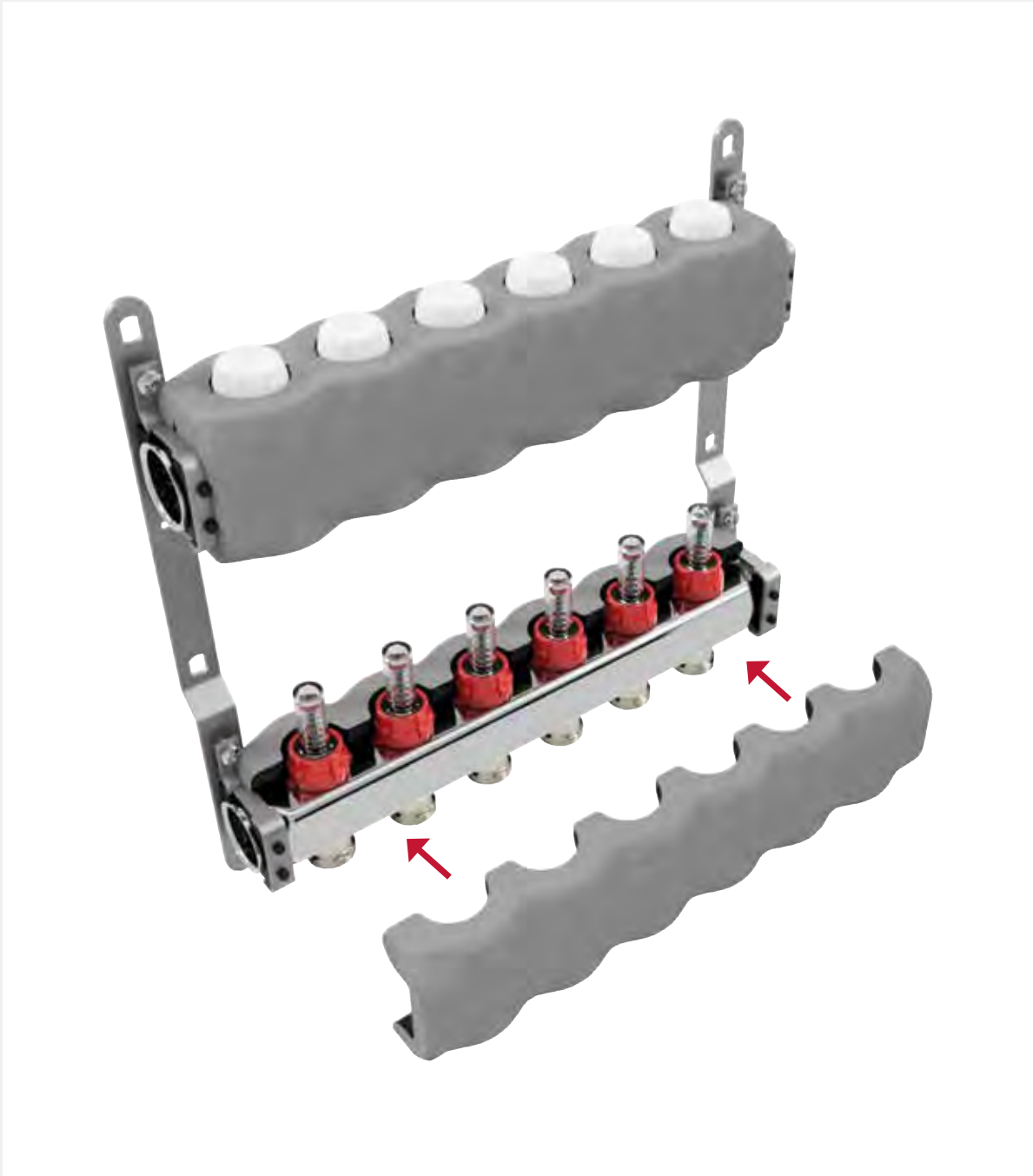
ADJUSTABLE DRAIN VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
4890012SO	1/2"	10bar/145psi	35/210

Body in brass.
Adjustable outflow in polymer.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



COP100
POSITIONING



COP100



Available in just one size. Insulation shells have to be cut according to manifolds length.

CODICE	IMBALLO
COP100	1/5

The insulation shells are suitable for our stainless steel manifolds art. 852 and 862. One pair of shells are suitable to insulate one distribution manifold.

INSULATION SHELLS FOR MANIFOLDS

098RSK

CODICE	MISURA	PRESSIONE	IMBALLO
0980100RSK	1"	40bar/580psi	1/26



STRAIGHT BALL VALVES KIT - COMPACT

Kit consisting of: 2 ball valves, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



298RSK

CODICE	MISURA	PRESSIONE	IMBALLO
2980100RSK	1"	40bar/580psi	1/22



ANGLE BALL VALVES KIT - COMPACT

Kit consisting of: 2 ball valves, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



487K01R

CODICE	MISURA	PRESSIONE	IMBALLO
4870100K01R	1"	40bar/580psi	1/22



STRAIGHT BALL VALVES KIT AND THERMOMETER - COMPACT

Kit consisting of: 2 ball valves, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Thermometer: scale 0°C, 80°C - diameter mm. 40
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



487K02R

CODICE	MISURA	PRESSIONE	IMBALLO
4870100K02R	1"	10bar/145psi	1/12

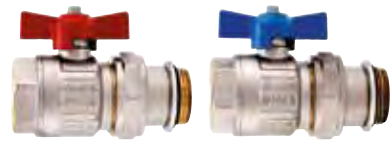


ANGLE BALL VALVES KIT AND THERMOMETER - COMPACT

Kit consisting of: 2 ball valves, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Thermometer: scale 0°C, 80°C - diameter mm. 40
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



098SK

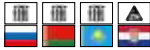


Code 0980034100SK: 3/4"FX1"M

STRAIGHT BALL VALVES KIT

CODICE	MISURA	PRESSIONE	IMBALLO
0980034100SK	3/4"X1"	40bar/580psi	1/26
0980100SK	1"	40bar/580psi	1/22

Kit consisting of: 2 ball valves art. 098S and 098SB, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



298SK



ANGLE BALL VALVES KIT

CODICE	MISURA	PRESSIONE	IMBALLO
2980100SK	1"	40bar/580psi	1/12

Kit consisting of: 2 ball valves art. 298S and 298SB, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



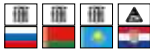
487K01



STRAIGHT BALL VALVES AND THERMOMETER UNION KIT

CODICE	MISURA	PRESSIONE	IMBALLO
4870100K01	1"	10bar/145psi	1/22

Kit consisting of: 2 ball valves art. 098SDC and 098SDCB, red and blue T handles and 2 thermometer unions complete with thermometers art. 492BC.
Available size: 1".
Valves specifications:
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male thread with conical seat.
Thermometer unions specifications:
Body in nickel-plated brass.
O-ring in NBR.
Thermometer range: 0°C, 80°C.
Diameter: mm.40.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



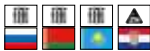
487K02



ANGLE BALL VALVES AND THERMOMETER UNION KIT

CODICE	MISURA	PRESSIONE	IMBALLO
4870100K02	1"	10bar/145psi	1/12

Kit consisting of: 2 ball valves art. 298SDC and 298SDCB, red and blue T handles and 2 thermometer unions complete with thermometers art. 492BC.
Available size: 1".
Valves specifications:
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male thread with conical seat.
Thermometer unions specifications:
Body in nickel-plated brass.
O-ring in NBR.
Thermometer range: 0°C, 80°C.
Diameter: mm.40.
Maximum working temperature: 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



492N



Suitable for stainless steel and brass bar distribution manifolds.

SURFACE THERMOMETER

CODICE	IMBALLO
492N	12/264

Available diameter: mm. 40
Scale: 0°C - 80°C



490



MALE END FITTING FOR MANIFOLDS

CODICE	MISURA	PRESSIONE	IMBALLO
4900034	3/4"	10bar/145psi	14/168
4900100	1"	10bar/145psi	12/144
4900114	1"1/4	10bar/145psi	8/96

Available sizes: 3/4", 1", 1"1/4 (main connection).
Size of the first outlet: 1/2".
Size of the second outlet: 3/8".
Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



490S



ADJUSTABLE MALE END FITTING FOR MANIFOLDS

CODICE	MISURA	PRESSIONE	IMBALLO
4900100S	1"	10bar/145psi	12/144
4900114S	1"1/4	10bar/145psi	8/96

Available sizes: 1", 1"1/4 (main connection).
Size of the outlets: 1/2".
Body in nickel-plated brass.
O-ring in NBR.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



491



FEMALE END FITTING FOR MANIFOLDS

CODICE	MISURA	PRESSIONE	IMBALLO
4910034	3/4"	10bar/145psi	14/196
4910100	1"	10bar/145psi	12/156

Available sizes: 3/4", 1" (main connection).
Size of the first outlet: 1/2".
Size of the second outlet: 3/8".
Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



492



THERMOMETER FITTING

CODICE	MISURA	PRESSIONE	IMBALLO
4920100	1"	10bar/145psi	6/84

Available size: 1".
Size of the thermometer thread: 1/2".
Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



492B



Suitable for ball valve art. 098SDC and 298SDC.

THERMOMETER UNION

CODICE	MISURA	PRESSIONE	IMBALLO
4920100B	1"	10bar/145psi	8/96
4920114B	1"1/4	10bar/145psi	4/48

Available sizes: 1"M x 1"1/4F, 1"1/4M x 1"1/2F.
Size of the thermometer thread: 3/8".
Body in nickel-plated brass. O-ring in NBR.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



492C



THERMOMETER UNION COMPLETE WITH THERMOMETER

CODICE	MISURA	PRESSIONE	IMBALLO
4920100C	1"	10bar/145psi	4/104

Available size: 1".
Body in nickel-plated brass.
Thermometer scale: 0°C-120°C, diameter mm.40.
Thermometer complying with INAIL regulations (ex ISPESL).
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



492BC



Suitable for ball valve art. 098SDC and 298SDC.

THERMOMETER UNION COMPLETE WITH THERMOMETER

CODICE	MISURA	PRESSIONE	IMBALLO
4920100BC	1" (DN 25)	10bar/145psi	4/56
4920114BC	1"1/4 (DN 32)	10bar/145psi	4/48

Available sizes: 1"Mx1"1/4F - 1"1/4Mx1"1/2F.
Body in nickel-plated brass.
O-ring in NBR.
Thermometer scale: 0°C-80°C.
Diameter: mm.40.
Maximum working temperature: 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



494



MALE END CAP WITH O-RING

CODICE	MISURA	PRESSIONE	IMBALLO
4940038	3/8"	10bar/145psi	50/1000
4940012	1/2"	10bar/145psi	40/760
4940034	3/4"	10bar/145psi	26/598
4940100	1"	10bar/145psi	16/352
4940114	1"1/4	10bar/145psi	12/240

Body in nickel-plated brass.
O-ring in EPDM.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



495



MALE END FITTING WITH O-RING

CODICE	MISURA	PRESSIONE	IMBALLO
4950034038	3/4"x3/8"	10bar/145psi	26/598
4950034012	3/4"x1/2"	10bar/145psi	26/676
4950100038	1"x3/8"	10bar/145psi	16/352
4950100012	1"x1/2"	10bar/145psi	16/352
4950114012	1"1/4x1/2"	10bar/145psi	12/264

Available sizes: 3/4"x3/8", 3/4"x1/2", 1"x3/8", 1"x1/2", 1"1/4x1/2".
Body in nickel-plated brass.
O-ring in EPDM.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



496



FEMALE END CAP WITH WASHER

CODICE	MISURA	PRESSIONE	IMBALLO
4960012	1/2"	10bar/145psi	40/1040
4960034	3/4"	10bar/145psi	26/624
4960100	1"	10bar/145psi	20/280

Body in nickel-plated brass.
Washer in NBR.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



482



PRESSURE GAUGE, BOTTOM CONNECTION, 0-10 BAR

CODICE	MISURA	PRESSIONE	IMBALLO
482B014	1/4"	10bar/145psi	4/88

Complying with INAIL regulation (ex ISPESL).
Diameter mm.63.
Size of the connection: 1/4".
Scale: 0-10 bar.
Taper thread ISO 7/1 R (equivalent to DIN EN 10226-1 and BS EN 10226-1).



484



THERMOMETER AND PRESSURE GAUGE, BOTTOM CONNECTION

CODICE	MISURA	PRESSIONE	IMBALLO
484B012	1/2"	6bar/87psi	2/44

Diameter mm.80.
Size of the connection: 1/2".
Scale: 0°C-120°C, 0-6 bar.
Taper thread ISO 7/1 R (equivalent to DIN EN 10226-1 and BS EN 10226-1).



482R



PRESSURE GAUGE, BOTTOM CONNECTION, 0-6 BAR

CODICE	MISURA	PRESSIONE	IMBALLO
482B014R	1/4"	6bar/87psi	4/88

Complying with INAIL regulation (ex ISPESL).
Diameter mm.50.
Size of the connection: 1/4".
Scale: 0-6 bar.
Taper thread ISO 7/1 R (equivalent to DIN EN 10226-1 and BS EN 10226-1).



485



THERMOMETER AND PRESSURE GAUGE, BACK CONNECTION

CODICE	MISURA	PRESSIONE	IMBALLO
485B012	1/2"	4bar/58psi	2/44

Diameter mm.63.
Size of the connection: 1/2".
Scale: 0°C-120°C, 0-4 bar.
Taper thread ISO 7/1 R (equivalent to DIN EN 10226-1 and BS EN 10226-1).



483



PRESSURE GAUGE, BACK CONNECTION, 0-10 BAR

CODICE	MISURA	PRESSIONE	IMBALLO
483B014	1/4"	10bar/145psi	4/88

Complying with INAIL regulation (ex ISPESL).
Diameter mm.63.
Size of the connection: 1/4".
Scale: 0-10 bar.
Taper thread ISO 7/1 R (equivalent to DIN EN 10226-1 and BS EN 10226-1).



493



THERMOMETER, BACK CONNECTION

CODICE	MISURA	PRESSIONE	IMBALLO
493B03840P	3/8"X40	10bar/145psi	10/220
493B01240P	1/2"X40	10bar/145psi	8/176
493B01263P	1/2"X63	10bar/145psi	4/88
493B01280P	1/2"X80	10bar/145psi	2/24

Complying with INAIL regulation (ex ISPESL).
Available diameters: mm.40, mm.63, mm.80.
Size of the connections: 3/8", 1/2".
Pin length: mm. 50 (with ? 40 - 63) - mm.100 (with ? 80).
Scale: 0°C- 80°C (3/8"), 0°C-120°C (1/2").
Taper thread ISO 7/1 R (equivalent to DIN EN 10226-1 and BS EN 10226-1).



483R



PRESSURE GAUGE, BACK CONNECTION, 0-6 BAR

CODICE	MISURA	PRESSIONE	IMBALLO
483B014R	1/4"	6bar/87psi	4/88

Complying with INAIL regulation (ex ISPESL).
Diameter mm.50.
Size of the connection: 1/4".
Scale: 0-6 bar.
Taper thread ISO 7/1 R (equivalent to DIN EN 10226-1 and BS EN 10226-1).



362



CODICE	MISURA	PRESSIONE	IMBALLO
3620038	3/8"	10bar/145psi	10/70
3620012	1/2"	10bar/145psi	10/70
3620034	3/4"	10bar/145psi	10/30
3620100	1"	10bar/145psi	10/30

Body in nickel-plated brass.
Float in polyethilenic resin.
Maximum working temperature: 110°C.
Maximum discharge pressure: 6 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



Available with NPT thread in the sizes 1/2" - 3/4" - 1"

AUTOMATIC AIR-VENT VALVE

362R



CODICE	MISURA	PRESSIONE	IMBALLO
3620038R	3/8"	10bar/145psi	10/70
3620012R	1/2"	10bar/145psi	10/70

Body in nickel-plated brass.
Float in polyethilenic resin.
Maximum working temperature: 110°C.
Maximum discharge pressure: 6 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



AUTOMATIC AIR-VENT VALVE, COMPACT

363



CODICE	MISURA	PRESSIONE	IMBALLO
3630038	3/8"	10bar/145psi	10/70
3630012	1/2"	10bar/145psi	10/70

Body in nickel-plated brass.
Float in polyethilenic resin.
Maximum working temperature: 110°C.
Maximum discharge pressure: 6 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



AUTOMATIC AIR-VENT VALVE, SIDE OUTLET

364



CODICE	MISURA	PRESSIONE	IMBALLO
3640038	3/8"	10bar/145psi	10/70
3640012	1/2"	10bar/145psi	10/70

Body in nickel-plated brass.
Float in polyethilenic resin.
Maximum working temperature: 110°C.
Maximum discharge pressure: 6 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



AUTOMATIC AIR-VENT VALVE, SIDE INLET

364R



CODICE	MISURA	PRESSIONE	IMBALLO
3640038R	3/8"	10bar/145psi	10/70
3640012R	1/2"	10bar/145psi	10/70

Body in nickel-plated brass.
Float in polyethilenic resin.
Maximum working temperature: 110°C.
Maximum discharge pressure: 6 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



AUTOMATIC AIR-VENT VALVE, SIDE INLET, COMPACT

365



CODICE	MISURA	PRESSIONE	IMBALLO
3650038	3/8"	10bar/145psi	50/1250
3650012	1/2"	10bar/145psi	50/700

Suitable for the use together with automatic air vent valves art. 362 - 362R - 363 - 364 - 364R.
Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



AUTOMATIC CHECK VALVE

366



CODICE	MISURA	PRESSIONE	IMBALLO
3660012	1/2"	10bar/145psi	25/300

Body in nickel-plated brass.
Check and vent spring valve in stainless steel.
Check seat in nylon.
Check and vent seal in NBR.
Maximum working temperature: 120°C.
Opening pressure: 8,5 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



SAFETY RELIEF VALVE FOR BOILERS

367



CODICE	MISURA	PRESSIONE	IMBALLO
3670012	1/2"	10bar/145psi	25/225

Body in nickel-plated brass.
Check and vent spring valve in stainless steel.
Check seat in nylon.
Check and vent seal in NBR.
Maximum working temperature: 120°C.
Opening pressure: 8,5 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



SAFETY RELIEF VALVE FOR BOILERS WITH LEVER HANDLE

194



CODICE	MISURA	PRESSIONE	IMBALLO
1940018	1/8"	10bar/145psi	50/1300
1940014	1/4"	10bar/145psi	50/1200
1940038	3/8"	10bar/145psi	40/640
1940012	1/2"	10bar/145psi	40/520

Body in chrome-plated brass.
Handle in acetalic resin.
Maximum working temperature: 90°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



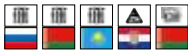
AIR VENT VALVE

1940



CODICE	MISURA	PRESSIONE	IMBALLO
19400120	1/2"	10bar/145psi	40/1040

Body in nickel-plated brass.
Handle in nylon.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



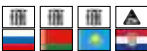
ADJUSTABLE NICKEL-PLATED AIR VENT VALVE

195



CODICE	MISURA	PRESSIONE	IMBALLO
1950014	1/4"	6bar/87psi	50/700
1950038	3/8"	6bar/87psi	50/700

Body in brass.
Revolving drain in acetalic resin.
Maximum working temperature: 90°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



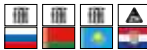
ADJUSTABLE DRAIN VALVE

299



CODICE	MISURA	PRESSIONE	IMBALLO
2990100D	1" DX	10bar/145psi	10/70
2990100S	1" SX	10bar/145psi	10/70

Body in chrome-plated brass.
Nominal pressure: 10 bar.
Maximum working temperature: 110°C.
Available sizes: 1" right and 1" left.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



PLUG FOR RADIATORS WITH AIR VENT VALVE

368



1/2"x1/2"

CODICE	MISURA	PRESSIONE	IMBALLO
368001215	1/2" (DN 15)	1.5	10/120
368001218	1/2" (DN 15)	1.8	10/120
368001225	1/2" (DN 15)	2.5	10/120
368001230	1/2" (DN 15)	3	10/120
368001240	1/2" (DN 15)	4	10/120
368001260	1/2" (DN 15)	6	10/120

3/4"x3/4"

CODICE	MISURA	PRESSIONE	IMBALLO
368003415	3/4" (DN 20)	1.5	10/120
368003418	3/4" (DN 20)	1.8	10/120
368003425	3/4" (DN 20)	2.5	10/120
368003430	3/4" (DN 20)	3	10/120
368003440	3/4" (DN 20)	4	10/120
368003460	3/4" (DN 20)	6	10/120

1"x1"

CODICE	MISURA	PRESSIONE	IMBALLO
368010015	1" (DN 25)	1.5	10/80
368010018	1" (DN 25)	1.8	10/80
368010025	1" (DN 25)	2.5	10/80
368010030	1" (DN 25)	3	10/80
368010040	1" (DN 25)	4	10/80
368010060	1" (DN 25)	6	10/80

Body in nickel-plated brass.
Diaphragm: EPDM.
Spring: stainless steel.
Nominal pressure: 10 bar.
Working temperatures: 5°C - 115°C.
Opening overpressure: 20%.
Closing differential: 20%.
Available settings: 1,5 - 1,8 - 2,5 - 3 - 4 - 6 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



DIAPHRAGM SAFETY RELIEF VALVE, FEMALE/FEMALE THREAD

369



1/2"x1/2"

CODICE	MISURA	PRESSIONE	IMBALLO
369001215	1/2" (DN 15)	1.5	10/120
369001218	1/2" (DN 15)	1.8	10/120
369001225	1/2" (DN 15)	2.5	10/120
369001230	1/2" (DN 15)	3	10/120
369001240	1/2" (DN 15)	4	10/120
369001260	1/2" (DN 15)	6	10/120

Body in nickel-plated brass.
Diaphragm: EPDM.
Spring: stainless steel.
Nominal pressure: 10 bar.
Working temperatures: 5°C - 115°C.
Opening overpressure: 20%.
Closing differential: 20%.
Available settings: 1,5 - 1,8 - 2,5 - 3 - 4 - 6 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



DIAPHRAGM SAFETY RELIEF VALVE, MALE/FEMALE THREAD

 368M



1/2"x1/2", gauge connection 1/4"

CODICE	MISURA	PRESSIONE	IMBALLO
368001215M	1/2" (DN 15)	1.5	10/120
368001218M	1/2" (DN 15)	1.8	10/120
368001225M	1/2" (DN 15)	2.5	10/120
368001230M	1/2" (DN 15)	3	10/120
368001240M	1/2" (DN 15)	4	10/120
368001260M	1/2" (DN 15)	6	10/120

Body in nickel-plated brass.
Diaphragm: EPDM.
Spring: stainless steel.
Nominal pressure: 10 bar.
Working temperatures: 5°C - 115°C.
Opening overpressure: 20%.
Closing differential: 20%.
Available settings: 1,5 - 1,8 - 2,5 - 3 - 4 - 6 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

DIAPHRAGM SAFETY RELIEF VALVE
WITH PRESSURE GAUGE CONNECTION,
FEMALE/FEMALE THREAD



 369M



1/2"x1/2", gauge connection 1/4"

CODICE	MISURA	PRESSIONE	IMBALLO
369001215M	1/2" (DN 15)	1.5	10/120
369001218M	1/2" (DN 15)	1.8	10/120
369001225M	1/2" (DN 15)	2.5	10/120
369001230M	1/2" (DN 15)	3	10/120
369001240M	1/2" (DN 15)	4	10/120
369001260M	1/2" (DN 15)	6	10/120

Body in nickel-plated brass.
Diaphragm: EPDM.
Spring: stainless steel.
Nominal pressure: 10 bar.
Working temperatures: 5°C - 115°C.
Opening overpressure: 20%.
Closing differential: 20%.
Available settings: 1,5 - 1,8 - 2,5 - 3 - 4 - 6 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

DIAPHRAGM SAFETY RELIEF VALVE WITH PRESSURE GAUGE
CONNECTION, MALE/FEMALE THREAD



951



CODICE	MISURA	PRESSIONE	IMBALLO
9510100090CPG	1"	10bar/145psi	1/1

Flow coefficient Kv referring to the ball valve only.
With Grundfos pump.

DIRECT DISTRIBUTION UNIT DN20

Supplied with insulation.
Kv = 23 m3/h.
Maximum operating pressure: 6 bar.
Maximum working temperature: 100°C.
System-side connection: 1".
Boiler-side connection: 1".
Centres distance: 90 mm.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Check valve on return circuit.
Reversible right - left.

953



CODICE	MISURA	PRESSIONE	IMBALLO
9530100090230CPG	1"	10bar/145psi	1/1
9530100090024CPG	1"	10bar/145psi	1/1

Flow coefficient Kv referring to the mixing valve only.
Art. 9530100090230CPG model with 230V 3-point motor.
Art. 9530100090024CPG model with 24V motor (0-10V).
With Grundfos pump.

MOTORISED DISTRIBUTION AND REGULATION UNIT DN20

Supplied with insulation.
Kv = 7,5 m3/h.
Maximum operating pressure: 6 bar.
Maximum working temperature: 100°C.
System-side connection: 1".
Boiler-side connection: 1".
Centres distance: 90 mm.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Check valve on return circuit.
Reversible right - left.

952



CODICE	MISURA	PRESSIONE	IMBALLO
9520100090CPG	1"	10bar/145psi	1/1

Flow coefficient Kv referring to the mixing valve only.
With Grundfos pump.

FIXED POINT DISTRIBUTION AND REGULATION UNIT DN20

Supplied with insulation.
Kv = 7,5 m3/h.
Maximum operating pressure: 6 bar.
Maximum working temperature: 100°C.
System-side connection: 1".
Boiler-side connection: 1".
Centres distance: 90 mm.
Regulation of the flow temperature: 20°C – 70°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Check valve on return circuit.
Reversible right - left.

959



CODICE	MISURA	PRESSIONE	IMBALLO
959010001	1"x1	10bar/145psi	1/3
959010002	1"x2	10bar/145psi	1/2
959010003	1"x3	10bar/145psi	1/1

DISTRIBUTION MANIFOLD WITH INTEGRATED HYDRAULIC SEPARATOR AND ADJUSTABLE BY-PASS

Supplied with insulation and wall mounting brackets.
Distribution manifold in stainless steel AISI 304.
Maximum operating pressure: 6 bar.
Maximum working temperature: 100°C.
Suitable for flow rates up to 2 m3/h (for single zone).
Main connections: 1".
Outlet connections: 1".
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Outlets from 1 to 3 zones.
Outlets centres distances: 90 mm.

820



CODICE	IMBALLO
820	1/65

Max connection load (2 terminals): 16 (2,5) A/250 Vac.
Installation: wall mount.
Temperature setting range: 5°C, 30°C.
Thermal differential: $\pm 0,8^{\circ}\text{C}$.
Class of protection: IP20.
Dimensions: 71x71x38.
In compliance with directive: B.T. 73/23/CEE and EMC 89/336/CEE.

MECHANICAL ROOM THERMOSTAT
WITH SIMPLE SWITCHING



820C



CODICE	IMBALLO
820C	1/65

Max connection load (3 terminals): 16 (2,5) A/250Vac.
Installation: wall mount.
Temperature setting range: 5°C, 30°C.
Thermal differential: $\pm 0,8^{\circ}\text{C}$.
Class of protection: IP20.
Dimensions: 71x71x38.
In compliance with directive: B.T. 73/23/CEE and EMC 89/336/CEE.

MECHANICAL ROOM THERMOSTAT
WITH CHANGEOVER SWITCHING



820CS



CODICE	IMBALLO
820CS	1/65

Power supply voltage: 230V.
Max connection load (3 terminals): 10 (2,5) A/250Vac.
Installation: wall mount.
Temperature setting range: 5°C, 30°C.
Thermal differential: $\pm 0,8^{\circ}\text{C}$.
Class of protection: IP20.
Dimensions: 71x71x38.
In compliance with directive: B.T. 73/23/CEE and EMC 89/336/CEE.

MECHANICAL ROOM THERMOSTAT
WITH CHANGEOVER SWITCHING, ON/
OFF FUNCTIONING LED



950C



CODICE	IMBALLO
950C	1/26

Power supply: 2 alkaline batteries 1,5V type AA.
Max relay contact load: 5 A 230 Vac resistive load.
Installation: wall mount or 3 module box flush mounts.
2-level temperature setting:
T1 (ECONOMY): 5-25°C; T2 (COMFORT): 15-35°C.
Thermal differential: $\pm 0,25^{\circ}\text{C}$.
Automatic battery level control with 2 warning levels.
Battery change is allowed without loss of data.
Daily and weekly setting with steps of 0,5°C.
Minimum setting period: 1/2 hour.
Functions: on/off.
Display of program and present hour or temperature.
Wall mount size: mm. 119x82x26,6.
3 module box flush mount size: mm. 119x82x18,7.
In compliance with directive: B.T. 73/23/CEE and EMC 89/336/CEE.

DIGITAL ELECTRONIC ROOM
CHRONOTHERMOSTAT

950ST



CODICE	IMBALLO
950ST	1/26

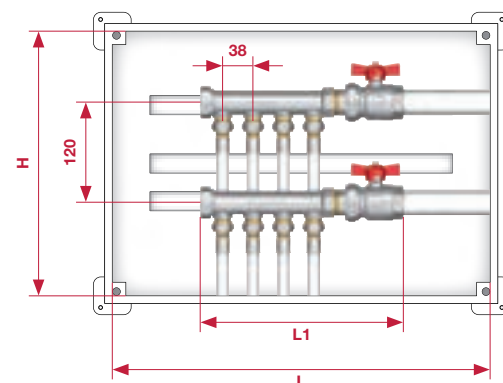
Power supply: 2 alkaline batteries AAA type 1,5V.
Relay contact load: 230Vac - 5A (resistive load).
Wall mounted installation.
2-level temperature setting:
WINTER mode: 5 -30°C
SUMMER mode: 15-35°C
Adjustable thermal differential: from 0,2°C to 2°C
Automatic battery level control with 2 warning levels.
Battery change is allowed without loss of data.
Setting:
daily and weekly setting with step of 0,2°C (WINTER) and 0,2°C (SUMMER).
Possibility of programming any temperature within the setting ranges at any half-hour of the day for all days of the week.
Dimensions: mm. 123,5x83,5x31.

DIGITAL ELECTRONIC ROOM
CHRONOTHERMOSTAT, TOUCH
SCREEN

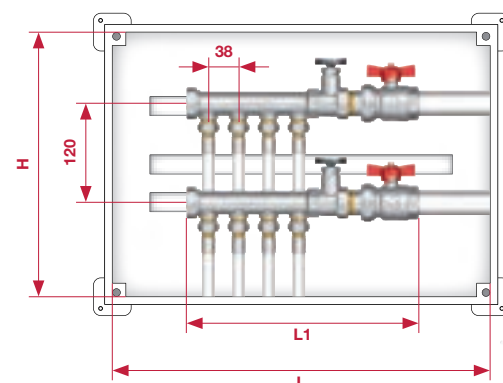


SIZES AND POSITIONING

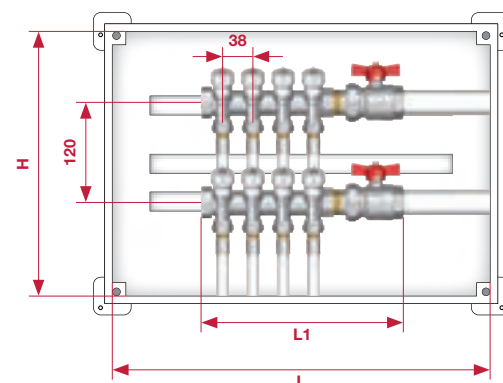
POSITIONING THE MANIFOLDS ART. 450 - 455 - 456 - 465 INTO PLASTIC BOXES



CODE	499.350.350		499.500.350		
LxH (mm)	350x350		500x350		
N° outlets	4	4+2	4+3	4+4	4+4+2
MANIFOLDS	3/4"				
L1	243	319	357	396	472



CODE	499.350.350		499.500.350		499.650.350
LxH (mm)	350x350		500x350		650x350
N° outlets	4	4+2	4+3	4+4	4+4+2
MANIFOLDS	1"				
L1	290	367	405	443	520

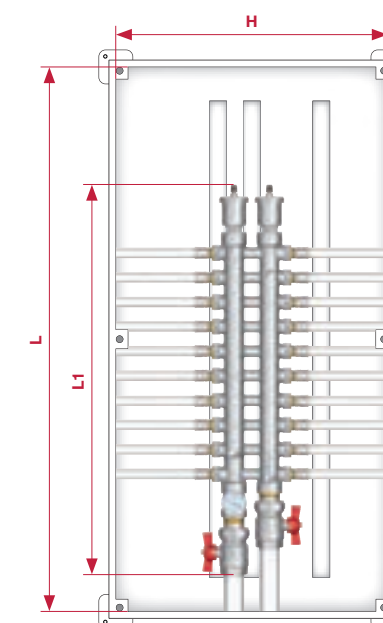
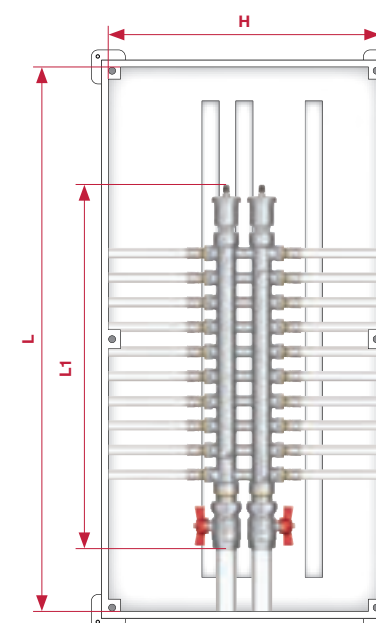


CODE	499.350.350		499.500.350		
LxH (mm)	350x350		500x350		
N° outlets	4	4+2	4+3	4+4	4+4+2
MANIFOLDS	3/4" - 1"				
L1	243	319	357	396	472

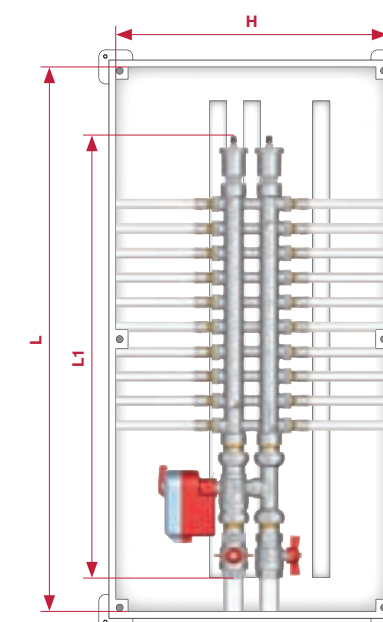
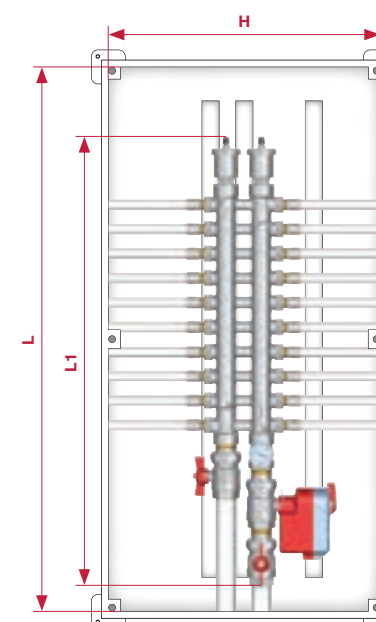


SIZES AND POSITIONING

POSITIONING THE MANIFOLDS ART. 885 INTO PLASTIC BOXES



CODE	499.350.350	499.500.350	499.650.350	499.800.400
LxH (mm)	350x350	500x350	650x350	800x400
N° outlets	2+2	4+4	6+6	8+8
MANIFOLDS	3/4"			
L1	246	322	398	474

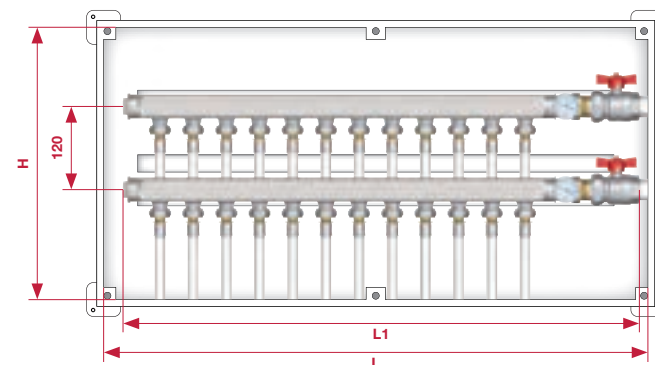


CODE	499.500.350	499.650.350	499.800.400
LxH (mm)	500x350	650x350	800x400
N° outlets	2+2	4+4	6+6
MANIFOLDS	3/4"		
L1	382	458	534



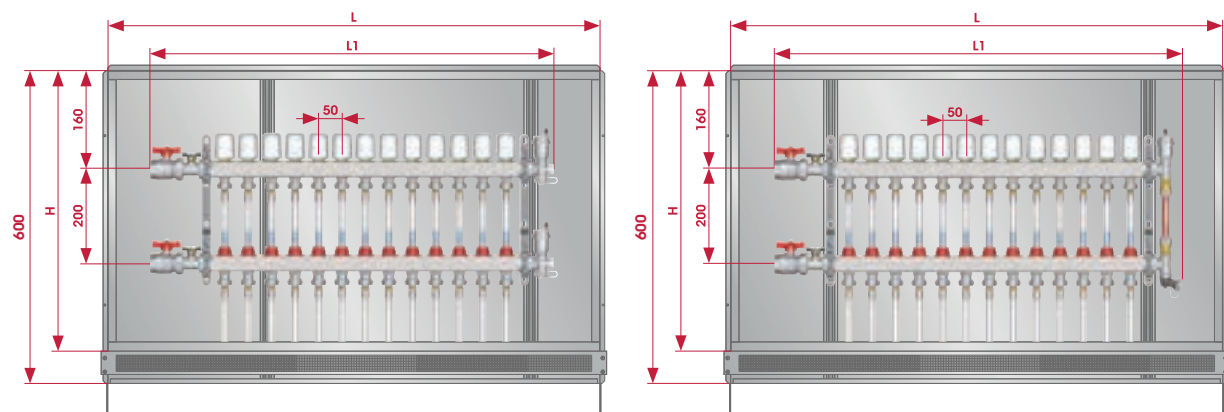
SIZES AND POSITIONING

POSITIONING THE MANIFOLDS ART. 852 INTO PLASTIC BOXES

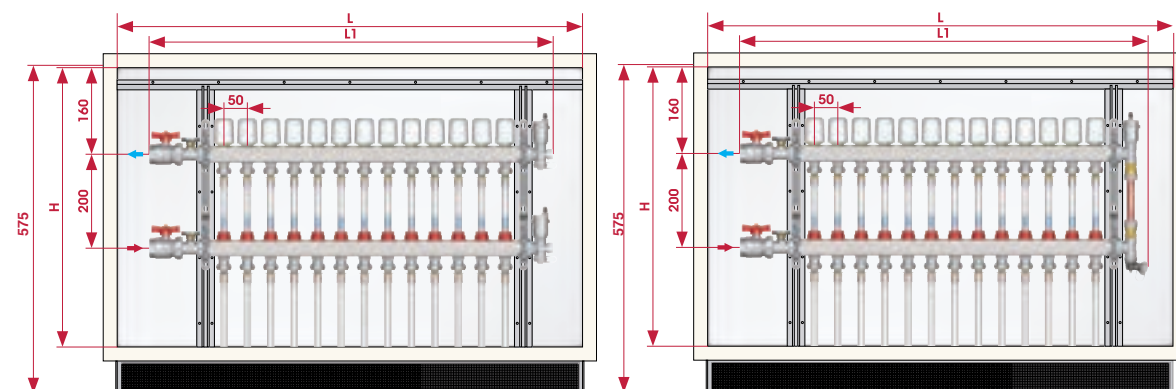


CODE	499.350.350	499.500.350	499.650.350	499.800.400
LxH (mm)	350x350	500x350	650x350	800x400
N° outlets	3	6	9	12
MANIFOLDS	1"			
L1	318	468	618	768

POSITIONING THE MANIFOLDS ART. 862 INTO METAL BOXES ART. 498 - 498R



CODE	498.500.500	498.600.500	498.700.500	498.800.500	498.900.500	498.1000.500
LxH (mm)	500x500	600x500	700x500	800x500	900x500	1000x500
N° outlets	3-4	5-6	7-8	9-10	11-12	13
MANIFOLDS	1"					
L1	425	525	625	725	825	875

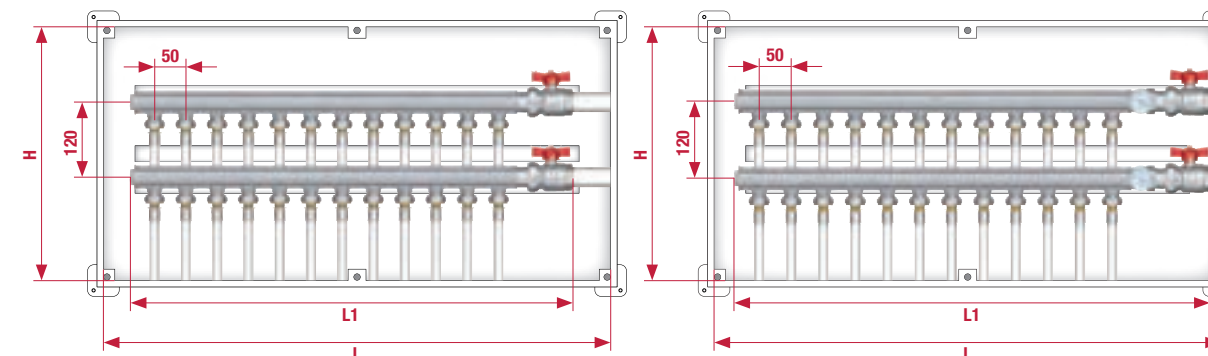


CODE	498.500.450	498.600.450	498.700.450	498.850.450	498.1000.450
LxH (mm)	500x450	600x450	700x450	850x450	1000x450
N° outlets	3-4	5-6	7-8	9-10-11	12-13
MANIFOLDS	1"				
L1	425	525	625	775	875



SIZES AND POSITIONING

POSITIONING THE MANIFOLDS ART. 850 INTO PLASTIC BOXES

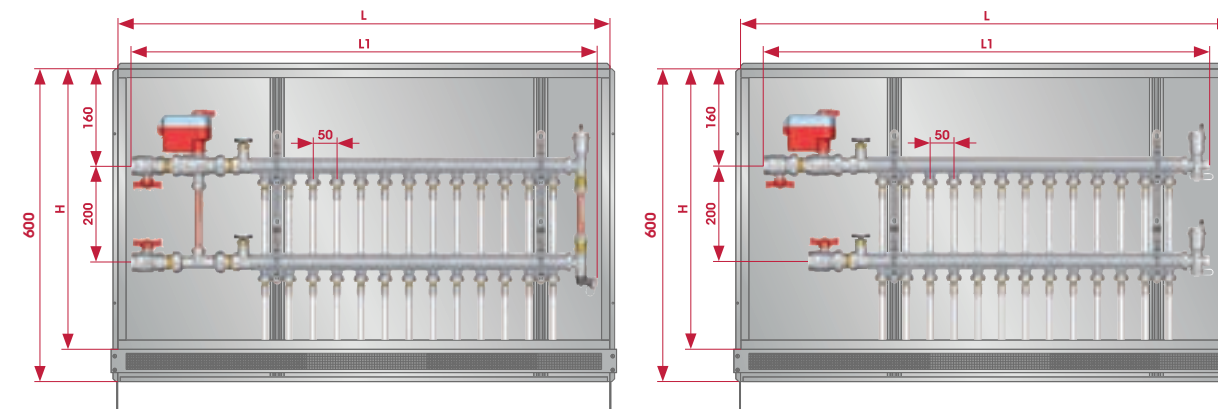


CODE	499.350.350	499.500.350	499.650.350	499.800.400
LxH (mm)	350x350	500x350	650x350	800x400
N° outlets	5	8	10	
MANIFOLDS	3/4"			
L1	330	480	580	

CODE	499.350.350	499.500.350	499.650.350	499.800.400
LxH (mm)	350x350	500x350	650x350	800x400
N° outlets	4	7	10	12
MANIFOLDS	1"			
L1	335	485	635	735

CODE	499.350.350	499.500.350	499.650.350	499.800.400
LxH (mm)	350x350	500x350	650x350	800x400
N° outlets	3	6	9	12
MANIFOLDS	1"1/4"			
L1	300	450	600	750

POSITIONING THE MANIFOLDS ART. 850 INTO METAL BOXES ART. 498 - 498R



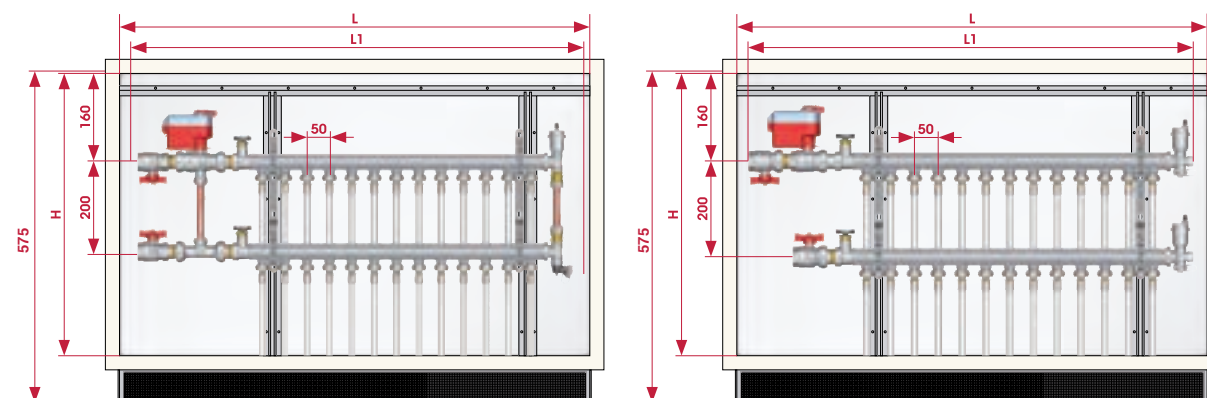
CODE	498.500.500	498.600.500	498.700.500	498.800.500
LxH (mm)	500x500	600x500	700x500	800x500
N° outlets	3-4	5-6	7-8	9-10
MANIFOLDS	3/4"			
L1	435	535	635	735

CODE	498.600.500	498.700.500	498.800.500	498.900.500	498.1000.500	498.1100.500
LxH (mm)	600x500	700x500	800x500	900x500	1000x500	1100x500
N° outlets	3-4	5-6	7-8	9-10	11-12	13
MANIFOLDS	1" - 1"1/4"					
L1	530	630	730	830	930	980



SIZES AND POSITIONING

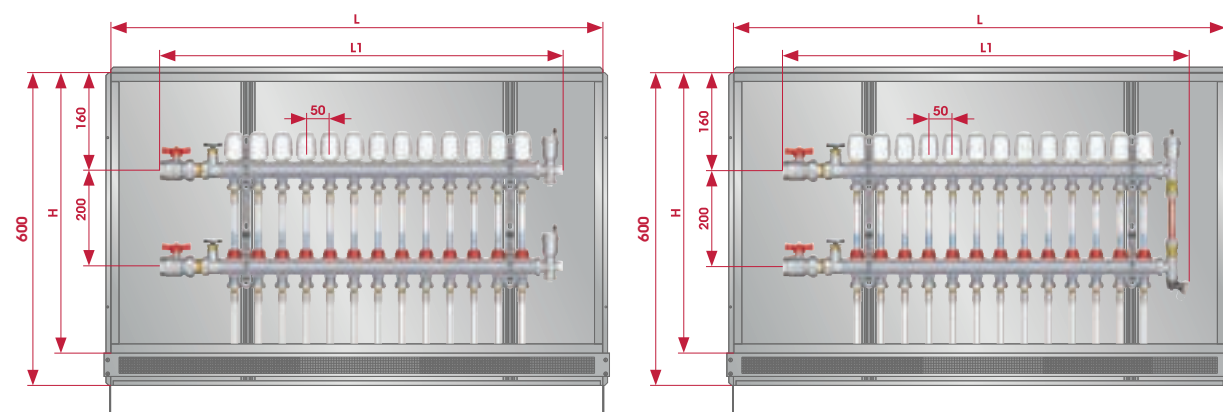
POSITIONING THE MANIFOLDS ART. 850 INTO METAL BOXES ART. 498R



CODE	498.500.450	498.600.450	498.700.450	498.850.450
LxH (mm)	500x450	600x450	700x450	850x450
N° outlets	3-4	5-6	7-8	9-10
MANIFOLDS	3/4"			
L1	435	535	635	735

CODE	498.600.450	498.700.450	498.850.450	498.1000.450	498.1100.450
LxH (mm)	600x450	700x450	850x450	1000x450	1100x450
N° outlets	3-4	5-6	7-8-9	10	11-12-13
MANIFOLDS	1" - 1 1/4"				
L1	530	630	780	830	980

POSITIONING THE MANIFOLDS ART. 860 INTO METAL BOXES ART. 498

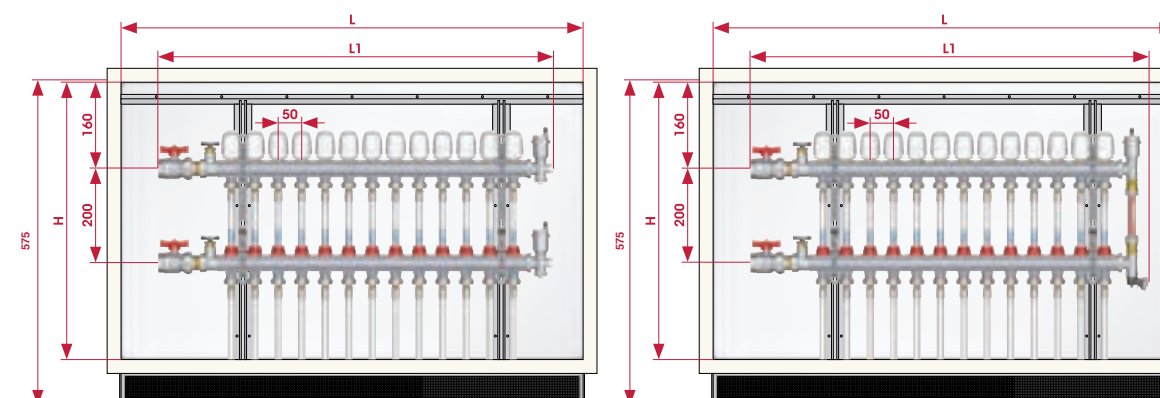


CODE	498.500.500	498.600.500	498.700.500	498.800.500	498.900.500
LxH (mm)	500x500	600x500	700x500	800x500	900x500
N° outlets	3-4	5-6	7-8	9-10	11-12-13
MANIFOLDS	1" - 1 1/4"				
L1	415	515	615	715	815



SIZES AND POSITIONING

POSITIONING THE MANIFOLDS ART. 860 INTO METAL BOXES ART. 498R

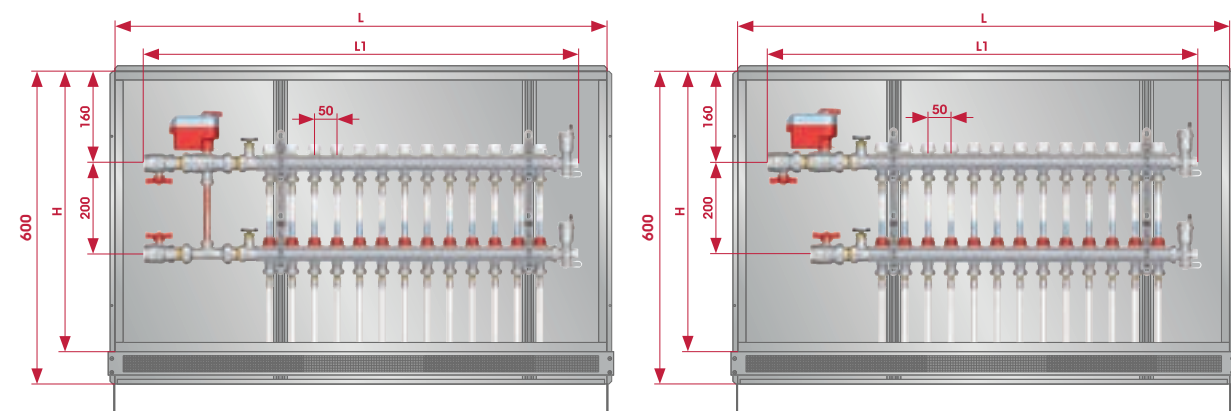


CODE	498.500.450	498.600.450	498.700.450	498.850.450	498.1000.450
LxH (mm)	500x450	600x450	700x450	850x450	1000x450
N° outlets	3-4	5-6	7-8	9-10-11	12-13
MANIFOLDS	1" - 1 1/4"				
L1	415	515	615	765	865



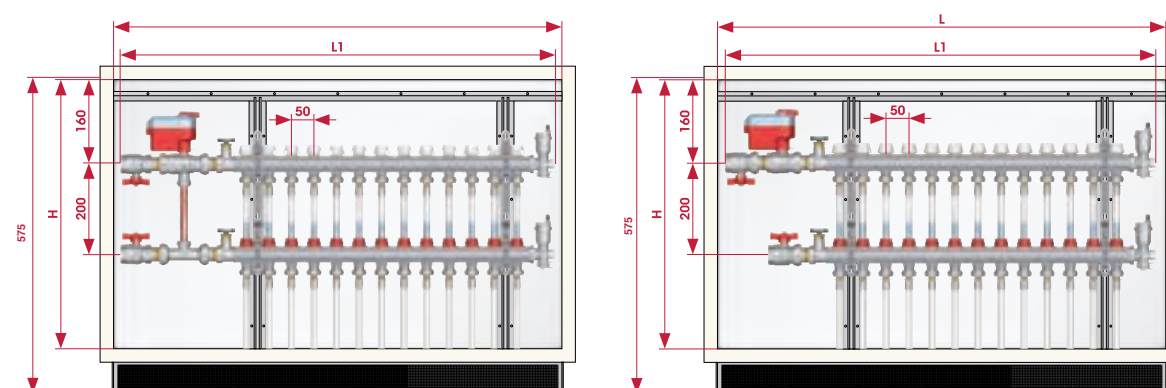
SIZES AND POSITIONING

POSITIONING THE MANIFOLDS ART. 860 WITH ZONE BALL VALVES INTO METAL BOXES ART. 498



CODE	498.600.500	498.700.500	498.800.500	498.900.500	498.1000.500	498.1100.500
LxH (mm)	600x500	700x500	800x500	900x500	1000x500	1100x500
N° outlets	3-4	5-6	7-8	9-10	11-12	13
MANIFOLDS	1" - 1 1/4"					
L1	530	630	730	830	930	980

POSITIONING THE MANIFOLDS ART. 860 WITH ZONE BALL VALVES INTO METAL BOXES ART. 498R

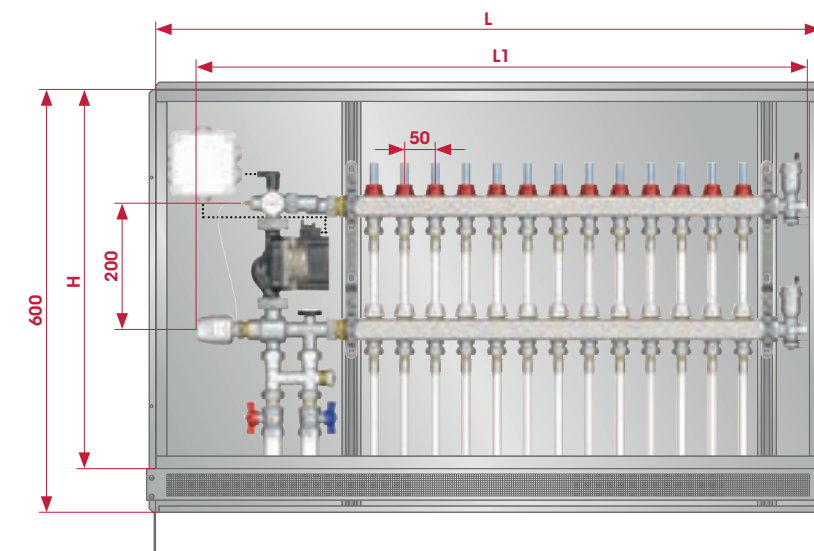


CODE	498.600.450	498.700.450	498.850.450	498.1000.450	498.1100.450
LxH (mm)	600x450	700x450	850x450	1000x450	1100x450
N° outlets	3-4	5-6	7-8-9	10	11-12-13
MANIFOLDS	1" - 1 1/4"				
L1	530	630	780	830	980



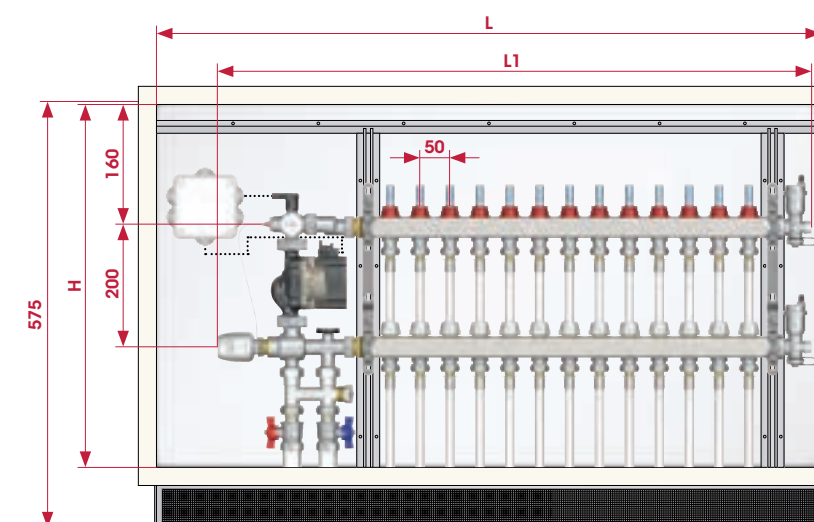
SIZES AND POSITIONING

POSITIONING THE REGULATING UNIT INTO METAL BOXES ART. 498



CODE	498.600.500	498.700.500	498.800.500	498.900.500	498.1000.500	498.1100.500
LxH (mm)	600x500	700x500	800x500	900x500	1000x500	1100x500
N° outlets	2-3	4-5	6-7	8-9	10-11	12-13
MANIFOLDS	1"					
L1	495	595	695	795	895	995

POSITIONING THE REGULATING UNIT INTO METAL BOXES ART. 498R



CODE	498.600.450	498.700.450	498.850.450	498.1000.450	498.1100.450
LxH (mm)	600x450	700x450	850x450	1000x450	1100x450
N° outlets	2-3	4-5	6-7	8-9-10	11-12-13
MANIFOLDS	1"				
L1	495	595	695	845	995



FITTINGS

Fittings for multilayer, PEX, polybutylene and copper pipe

180-185

Push-fit fittings for copper, PEX and polybutylene pipe

186-191

VX fittings for polyethylene pipe

192-197

VX-N fittings for polyethylene pipe

198-199

Mechanical fittings and accessories

200-202





ADVANTAGES



multi.fit®

THE SIMPLE, FAST AND MONEY SAVING
SYSTEM FOR MULTILAYER, PEX AND
POLYBUTYLENE PIPE

NO NEED TO REAM THE PIPE

FIT FOR EVERY KIND OF MULTILAYER PIPE

THE CONNECTION IS REVERSIBLE

SUITABLE FOR SANITARY AND HEATING PLANT

NO SPECIAL EQUIPMENT IS REQUIRED FOR THE
INSULATION



FOUR SIMPLE STEPS FOR A SAFE INSTALLATION



Cut the pipe by a pipe cutter.



Deburr the inner side of the pipe.



Insert the fitting into the pipe.



Once the threaded part of the fitting reaches the pipe, screw the tail into the pipe as far as the thread has completely entered the pipe. THE CONNECTION IS SAFE AND EASILY REVERSIBLE.



The fittings are supplied with an o-ring for conical seats and a flat washer for flat seats.



SYSTEM ADVANTAGES

NO MORE BUILD-IN TEE AND ELBOW
UNIVERSAL JUNCTIONS

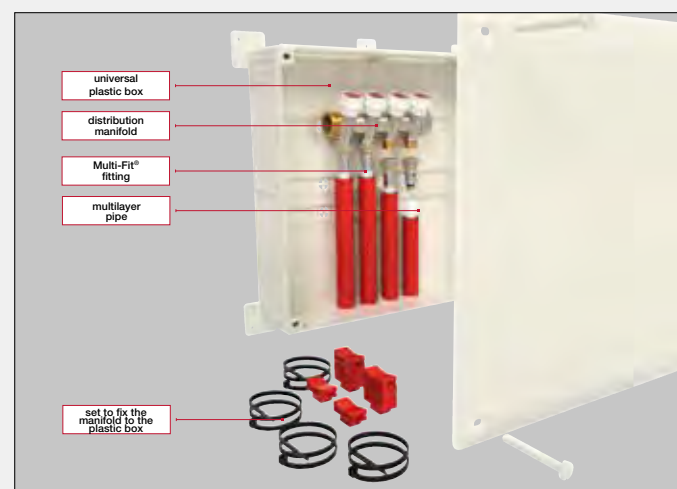
NO MORE LEAKAGES

REALLY MAKE THE MOST OF MULTILAYER
PIPING FLEXIBILITY AND INSTALLATION
SPEED

IMPROVE THE WATER FLOW

MAKE REPAIRS EASY AND FAST

EACH ENDPOINT CONNECTED TO A
SINGLE MANIFOLD OUTLET



COMPRESSION FITTINGS FOR MULTILAYER, PEX, POLYBUTYLENE AND COPPER PIPE

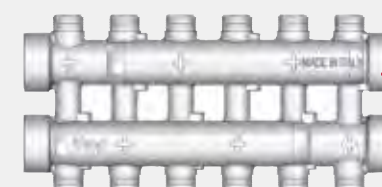


WITH BLACK OLIVE FOR
WATER SYSTEMS AND
FOOD USE

ACCORDING TO
UNI EN 1254-2
STANDARD



INSTALLATION



885 DUAL DISTRIBUTION MANIFOLD.
1/2" male outlets, conical seat



850 DISTRIBUTION MANIFOLD
MADE OUT OF BRASS BAR.



518 MALE/MALE ADAPTER



852 DISTRIBUTION MANIFOLD IN STAINLESS STEEL



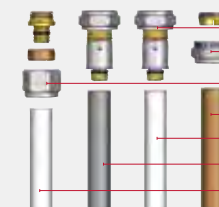
518 MALE/MALE ADAPTER



465 DISTRIBUTION MANIFOLD WITH SHUT-OFF VALVES



455 DISTRIBUTION MANIFOLD
1/2" male outlets, conical seat



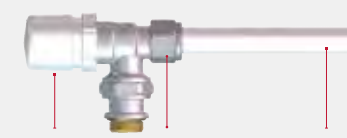
510 multi.fit
595 NUT AND OLIVE
595M NUT AND ADAPTER
MULTILAYER PIPE
PEX PIPE
POLYBUTYLENE PIPE
MULTILAYER PIPE



995V 510 MULTILAYER OR PEX PIPE



995V 595 COPPER PIPE



995V 595M MULTILAYER PIPE



395 595 COPPER PIPE

510



Available size with 1/2" nut

CODICE	MISURA	IMBALLO
510001214200	14x2	20/180
510001216200	16X2	20/180
510001216225	16x2,25	20/180
510001218200	18x2	15/135
510001220200	20x2	15/135
510001220225	20x2,25	15/135
510001220250	20x2,5	15/135

Available size with 3/4" nut EUROKONUS

CODICE	MISURA	IMBALLO
510003416200	16X2	20/160
510003418200	18x2	15/105
510003420200	20x2	15/120
510003420225	20x2,25	15/105
510003425250	25x2,5	10/70
510003426300	26x3	10/80

Available size with 1" nut

CODICE	MISURA	IMBALLO
510010025250	25x2,5	10/110
510010026300	26x3	10/120
510010032300	32x3	10/80

PATENTED
Nut in nickel-plated brass.
Tail in brass.
Maximum working pressure: 20 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Minimum and maximum working temperature: -20°C, 110°C.



MULTI-FIT® FITTING FOR MULTILAYER,
PEX AND POLYBUTYLENE PIPE

The fittings are supplied with an o-ring
for conical seats and a flat washer for flat
seats.
KIWA certified fitting only with o-ring for
conical seats.

595M



Available size with 1/2" nut

CODICE	MISURA	IMBALLO
595001214200M	1/2"-14X2	20/200
595001216200MI	1/2"-16X2	20/200
595001216225M	1/2"-16X2,25	20/300

Available size with 3/4" nut EUROKONUS

CODICE	MISURA	IMBALLO
595003416200MI	3/4"-16X2	20/200
595003418200M	3/4"-18X2	20/300
595003420200MI	3/4"-20X2	20/200

Minimum and maximum working temperature: -20°C, 110°C.
Maximum working pressure: 10 bar.
1/2" male thread suitable for conical seats with an inner diameter of 16mm.



NUT AND ADAPTER FOR MULTILAYER
PIPE

595P



Available size with 3/4" nut EUROKONUS

CODICE	MISURA	IMBALLO
595003416150P	3/4" - 16X1,5	20/300
595003416180P	3/4" - 16X1,8	20/120
595003416200P	3/4" - 16X2	20/300
595003417200P	3/4" - 17X2	20/300
595003420190P	3/4" - 20X1,9	25/150
595003420200P	3/4" - 20X2	20/300

Minimum and maximum working temperature: -20°C, 110°C.
Maximum working pressure: 10 bar.



NUT AND ADAPTER FOR PEX PIPE

595



WITH BLACK OLIVE FOR WATER SYSTEMS AND FOOD USE

ACCORDING TO UNI EN 1254-2 STANDARD

595 size 1/2"

CODICE	MISURA	IMBALLO
595001210	1/2"x10	50/300
595001212	1/2"x12	50/300
595001214	1/2"x14	50/300
595001215	1/2"x15	50/300
595001216	1/2"x16	50/300

595 size 3/4"

CODICE	MISURA	IMBALLO
595003415	3/4"x15	25/150
595003418	3/4"x18	25/150

COMPRESSION FITTINGS FOR COPPER
PIPES.
WATER SYSTEMS AND FOOD USE.

The olive complies with EN 681-1 standard.
Minimum and maximum working temperatures: 0°C, 90°C.
Maximum working pressure: 10 bar.
1/2" male thread suitable for conical seats with an inner diameter of 16mm.
3/4" thread suitable for EUROKONUS standard.

COMPRESSION FITTINGS FOR COPPER
PIPE



509



Available sizes: 1/2"x1/2", 1/2"Mx3/4"F, 3/4"x3/4" eurokonus

CODICE	MISURA	IMBALLO
5090012012	1/2"x1/2"	20/520
5090012034	1/2"x3/4"	15/390
5090034034	3/4"x3/4"	12/312

Male thread 1/2" equipped with a conical seat and inner diameter mm.16.
Male thread 3/4" eurokonus.
Maximum working pressure: 20 bar.

STRAIGHT FEMALE CONNECTOR



515



Available sizes: 1/2"x1/2", 1/2"x3/4"eurokonus, 3/4"x3/4" eurokonus, 1"x1"

CODICE	MISURA	IMBALLO
5150012012	1/2"x1/2"	30/660
5150012034	1/2"x3/4"	20/440
5150034034	3/4"x3/4"	20/280
5150100100	1" x 1"	8/208

Male thread 1/2" equipped with a conical seat and inner diameter mm.16.
Male thread 3/4" eurokonus.
Male thread 1" equipped with a conical seat and inner diameter mm.22.
Maximum working pressure: 20 bar.

STRAIGHT MALE CONNECTOR



530



Available sizes: 1/2"x1/2"x1/2", 3/4"x3/4"x3/4" eurokonus, 1"x1"x1"

CODICE	MISURA	IMBALLO
5300012012	1/2"	16/224
5300034034	3/4"	8/112
5300100100	1"	6/84

Male thread 1/2" equipped with a conical seat and inner diameter mm.16.
Male thread 3/4" eurokonus.
Male thread 1" equipped with a conical seat and inner diameter mm.22.
Maximum working pressure: 20 bar.

EQUAL T COUPLING



535



FEMALE BRANCH T COUPLING

Available sizes: 1/2"x1/2"x1/2", 3/4"x3/4"x3/4" eurokonus

CODICE	MISURA	IMBALLO
5350012012	1/2"	14/196
5350034034	3/4"	8/112

Male thread 1/2" equipped with a conical seat and inner diameter mm.16.
Male thread 3/4" eurokonus.
Maximum working pressure: 20 bar.



540



MALE ELBOW

Available sizes: 1/2"x1/2", 1/2"x3/4"eurokonus, 3/4"x3/4" eurokonus, 1"x1"

CODICE	MISURA	IMBALLO
5400012012	1/2"x1/2"	18/396
5400012034	1/2"x3/4"	13/286
5400034034	3/4"x3/4"	10/220
5400100100	1"x1"	8/112

Male thread 1/2" equipped with a conical seat and inner diameter mm.16.
Male thread 3/4" eurokonus.
Male thread 1" equipped with a conical seat and inner diameter mm.22.
Maximum working pressure: 20 bar.



545



FEMALE ELBOW

Available sizes: 1/2"x1/2", 1/2"Mx3/4"F, 3/4"x3/4" eurokonus

CODICE	MISURA	IMBALLO
5450012012	1/2"x1/2"	14/308
5450012034	1/2"x3/4"	8/176
5450034034	3/4"x3/4"	8/176

Male thread 1/2" equipped with a conical seat and inner diameter mm.16.
Male thread 3/4" eurokonus.
Maximum working pressure: 20 bar.



548



BACKPLATE FEMALE ELBOW

Available sizes: 1/2"x1/2", 3/4"x3/4" eurokonus

CODICE	MISURA	IMBALLO
5480012012	1/2"	12/168
5480034034	3/4"	8/112

Male thread 1/2" equipped with a conical seat and inner diameter mm.16.
Male thread 3/4" eurokonus.
Maximum working pressure: 20 bar.



578



METAL TEMPLATE WITH 2 BACKPLATE ELBOWS

CODICE	MISURA	IMBALLO
578012012	1/2"	6/30
578034034	3/4"	4/20

It allows the greatest accuracy during the installation of Multi-Fit® fittings.
Centres distances: mm.100, mm.127, mm.150, mm.177, mm.200.
Available sizes: 1/2"x1/2", 3/4"x3/4" eurokonus.
Male thread 1/2" equipped with a conical seat and inner diameter mm.16.
Male thread 3/4" eurokonus.
Maximum working pressure: 20 bar.



518N



Thread G: available in size 1/2" with conical seat and inner diameter mm.16 or in size 3/4" eurokonus.
1/2"x1/2" size is also suitable as adapter for flow meters on 1" manifolds.

MALE/MALE ADAPTER - 1" MANIFOLDS

CODICE	MISURA	PRESSIONE	IMBALLO
5180012012N	1/2" - 1/2"	20bar/290psi	30/570
5180012034N	1/2" - 3/4" EUROKONUS	20bar/290psi	20/440

Available size: 1/2"x1/2", 1/2"x3/4" eurokonus.
Body in nickel-plated brass.
Maximum working temperature: 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



519N



It is also suitable as adapter for flow meters on 1"1/4 manifolds.

MALE/MALE ADAPTER - 1"1/4 MANIFOLDS

CODICE	MISURA	PRESSIONE	IMBALLO
5190012034N	1/2" - 3/4" EUROKONUS	20bar/290psi	20/360

Available size: 1/2"x3/4" eurokonus.
Body in nickel-plated brass.
Maximum working temperature: 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



494



MALE END CAP WITH O-RING

CODICE	MISURA	PRESSIONE	IMBALLO
4940038	3/8"	10bar/145psi	50/1000
4940012	1/2"	10bar/145psi	40/760
4940034	3/4"	10bar/145psi	26/598
4940100	1"	10bar/145psi	16/352
4940114	1"1/4	10bar/145psi	12/240

Body in nickel-plated brass.
O-ring in EPDM.
Maximum working temperature: 110°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



680



PIPE DEBURRING TOOL

CODICE	IMBALLO
680012028	1/80

Suitable for pipes with diameter from 4mm to 36mm.
Material: polymer.

570



CONNECTING/DISCONNECTING TOOL

CODICE	IMBALLO
570014026	1/60



ADVANTAGES



itap fit

PUSH-FIT FITTINGS FOR COPPER, PEX AND
POLYBUTYLENE PIPES

SAVING OF TIME DURING THE INSTALLATION AS FAR AS 90%

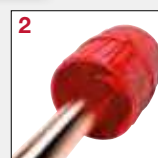
SUITABLE FOR HEATING AND SANITARY SYSTEMS

NO NEED OF SPECIAL OR EXPENSIVE TOOLS FOR THE
INSTALLATION

REVERSIBLE INSTALLATION

FOUR SIMPLE STEPS FOR
A SAFE INSTALLATION

1 Cut the pipe by a rotary
pipe cutter



2 Deburr the external
surface of the pipe



3 Insert the pipe in the
depth gauge and mark
the pipe.



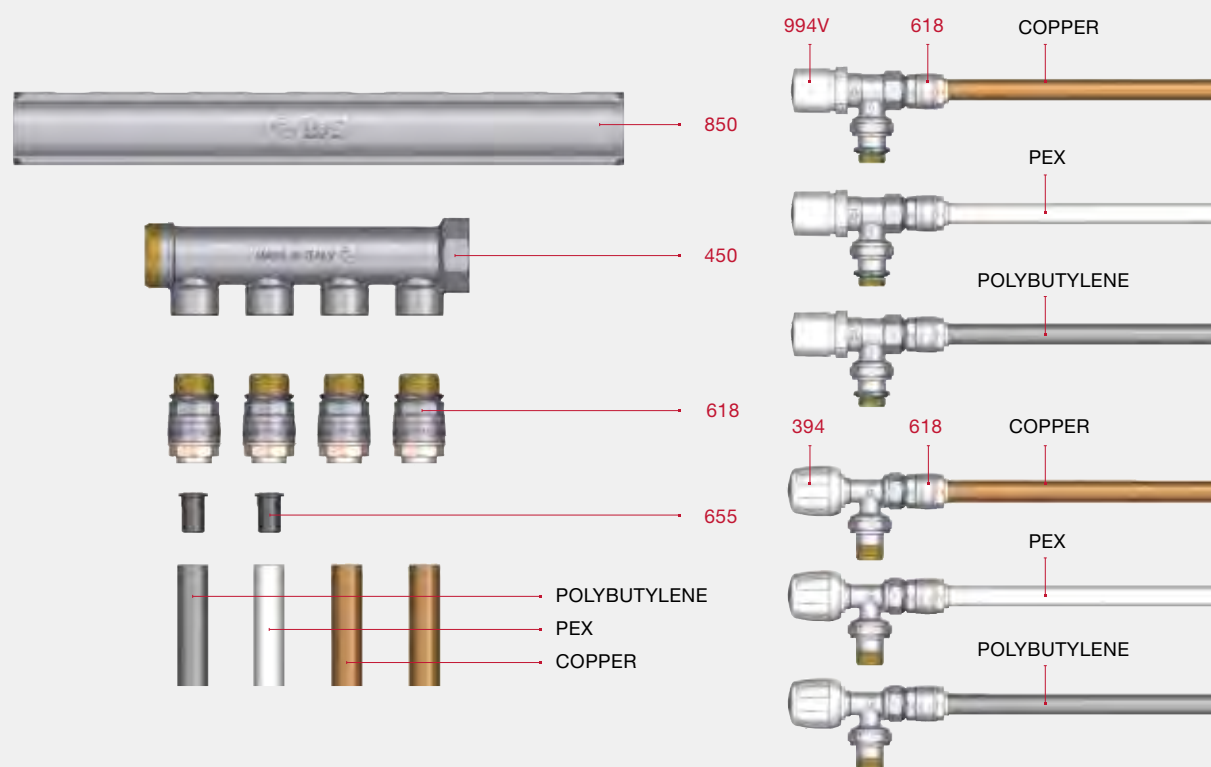
4 Insert the pipe by pushing it as far as it reaches the blocking
point, that should correspond to the mark made before.
If you are using cross-linked polyethylene pipes (PEX) or
polybutylene pipes you have to insert the liner before the
connection.



5. To disconnect the
fitting you just need to
push the release liner by
the clip and at the same
time pull the pipe.



INSTALLATION



610



CODICE	MISURA	IMBALLO
610B038012	12x3/8"	18/252
610B012012	12x1/2"	14/196
610B012014	14x1/2"	14/196
610B012015	15x1/2"	14/196
610B012016	16x1/2"	14/196
610B012018	18x1/2"	7/182
610B034018	18x3/4"	7/98
610B012020	20x1/2"	10/140
610B034022	22x3/4"	5/130
610B034025	25x3/4"	8/112
610B100028	28x1"	5/55

Bodies in de-zincification resistant brass (DZR).
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.
Threads: ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).

STRAIGHT FEMALE CONNECTOR



615



CODICE	MISURA	IMBALLO
615B038012	12x3/8"	24/336
615B012012	12x1/2"	18/252
615B038014	14x3/8"	18/252
615B012014	14x1/2"	18/252
615B012015	15x1/2"	18/252
615B012016	16x1/2"	15/210
615B012018	18x1/2"	15/180
615B034018	18x3/4"	15/180
615B012020	20x1/2"	14/168
615B034022	22x3/4"	12/144
615B034025	25x3/4"	11/99
615B100028	28x1"	8/96

Bodies in de-zincification resistant brass (DZR).
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.
Threads: ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).

STRAIGHT MALE CONNECTOR



620



CODICE	MISURA	IMBALLO
620C000012	12	12/168
620C000014	14	12/168
620C000015	15	12/168
620C000016	16	12/168
620C000018	18	12/144
620C000020	20	10/110
620C000022	22	8/96
620C000025	25	7/84
620C000028	28	6/66

Bodies in de-zincification resistant brass (DZR).
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.

STRAIGHT COUPLING



625



Suitable as **PLUG IN ORDER TO TEST INSTALLATIONS** with copper, PEX, PB, multilayer pipes.
The fitting is usable again.

STOP END

CODICE	MISURA	IMBALLO
625C000012	12	30/420
625C000014	14	25/350
625C000015	15	25/350
625C000016	16	25/350
625C000018	18	16/224
625C000020	20	14/196
625C000022	22	8/208

Bodies in brass.
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.



640



MALE ELBOW

CODICE	MISURA	IMBALLO
640B038012	12x3/8"	12/168
640B012012	12x1/2"	12/168
640B012014	14x1/2"	12/168
640B012015	15x1/2"	12/168
640B012016	16x1/2"	10/140
640B012018	18x1/2"	10/140
640B034018	18x3/4"	10/120
640B012020	20x1/2"	10/120
640B034022	22x3/4"	8/96
640B034025	25x3/4"	8/72
640B100028	28x1"	6/54

Bodies in de-zincification resistant brass (DZR).
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.
Threads: ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).



630



EQUAL T COUPLING

CODICE	MISURA	IMBALLO
630C000012	12x12x12	8/112
630C000014	14x14x14	6/84
630C000015	15x15x15	6/84
630C000016	16x16x16	6/84
630C000018	18x18x18	6/54
630C000020	20x20x20	5/45
630C000022	22x22x22	5/45
630C000025	25x25x25	5/35
630C000028	28x28x28	4/24

Bodies in de-zincification resistant brass (DZR).
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.



645



FEMALE ELBOW

CODICE	MISURA	IMBALLO
645B038012	12x3/8"	12/168
645B012012	12x1/2"	12/168
645B012014	14x1/2"	12/168
645B012015	15x1/2"	12/168
645B012016	16x1/2"	10/140
645B012018	18x1/2"	10/120
645B034018	18x3/4"	10/120
645B012020	20x1/2"	10/120
645B034022	22x3/4"	8/96
645B034025	25x3/4"	8/72
645B100028	28x1"	6/54

Bodies in de-zincification resistant brass (DZR).
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.
Threads: ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).



635



FEMALE BRANCH T COUPLING

CODICE	MISURA	IMBALLO
635B012014	14x1/2"	6/84
635B012015	15x1/2"	6/84
635B012016	16x1/2"	6/84
635B012018	18x1/2"	6/72
635B034018	18x3/4"	6/72
635B012020	20x1/2"	8/72
635B034022	22x3/4"	6/54
635B034025	25x3/4"	6/54
635B100028	28x1"	4/24

Bodies in de-zincification resistant brass (DZR).
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.
Threads: ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).



648



BACKPLATE FEMALE ELBOW

CODICE	MISURA	IMBALLO
648B012014	14x1/2"	6/84
648B012015	15x1/2"	6/84
648B012016	16x1/2"	6/84

Bodies in de-zincification resistant brass (DZR).
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.
Threads: ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).



650



CODICE	MISURA	IMBALLO
650C000012	12	12/168
650C000014	14	10/140
650C000015	15	10/140
650C000016	16	10/140
650C000018	18	10/120
650C000020	20	8/72
650C000022	22	8/72
650C000025	25	6/72
650C000028	28	5/60

Bodies in de-zincification resistant brass (DZR).
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.
Threads: ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).



ELBOW COUPLING

618



CODICE	MISURA	IMBALLO
6180012012	12x1/2"	18/252
6180012014	14x1/2"	18/252
6180012016	16x1/2"	15/210

Designed to be used with Itap radiator valves, either manual or thermostatic, with a female thread, and with simple manifolds, with female outlets.
Of course, it may be used with any radiator valve or manifold, as long as they are equipped with 1/2" female connections.
Body in nickel-plated brass.
O-ring in EPDM.
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure: Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



NICKEL-PLATED STRAIGHT MALE CONNECTOR WITH AN O-RING

655



CODICE	MISURA	IMBALLO
655BU012110	12 x 1,1 14 x 2	50/1500
655BU012180	12 x 1,8	50/1500
655BU015180	15 x 1,8 16 x 2,2 16 x 2,3	50/1500
655BU015250	15 x 2,5	50/1500
655BU016150	16 x 1,5 17 x 2 18 x 2,5	50/1500
655BU016200	16 x 2	50/1500
655BU020190	20 x 1,9 20 x 2 22 x 3	40/1200
655BU020280	20 x 2,8	40/1200
655BU022200	22 x 2 22 x 2,1 25 x 3,5	40/1200

The liner has to be inserted into cross-linked polyethylene or polybutylene pipes before the joint to Itap-Fit® fittings is made.

CODE	EXTERNAL PIPE DIAMETER x PIPE THICKNESS (mm)
655BU012110	12X1.1, 14X2
655BU012180	12X1.8
655BU015180	15X1.8, 16X2.2, 16X2.3
655BU015250	15X2.5
655BU016150	16X1.5, 17X2, 18X2.5
655BU016200	16X2
655BU020190	20X1.9, 20X2, 22X3
655BU020280	20X2.8
655BU022200	22X2, 22X2.1, 25X3.5



LINER

671



CODICE	MISURA	IMBALLO
671012	12	10/600
671014	14	10/600
671015	15	10/600
671016	16	10/600
671018	18	10/500
671020	20	10/500
671022	22	10/500
671025	25	10/400
671028	28	10/400

DISCONNECTING CLIP

685



CODICE	IMBALLO
685012028	1/50

DEPTH GAUGE

680



CODICE	IMBALLO
680012028	1/80

Suitable for pipes with diameter from 4mm to 36mm.
Material: polymer.

PIPE DEBURRING TOOL

ADVANTAGES

SUITABLE FOR THE USE WITH HIGH AND LOW DENSITY POLYETHYLENE PIPES

MATERIALS

POS.	DESCRIPTION	Q.TY	MATERIAL
1	Body	1	CW617N brass
2	Tightening brass nut	1	CW617N brass
2A	Flanged tightening ring	1	CW617N brass
3	O-ring	1	Elastomeric seal
4	O-ring pushong washer	1	Stainless steel AISI 304
5	Fastening ring	1	Nickel-plated CW617N brass
5A	Fastening ring	1	CW617N brass
6	Liner for pipes type S5	1	Stainless steel AISI 304
7	Notched washer for screws	4	Stainless steel AISI 304
8	Blocking screw	4	Stainless steel AISI 304

INSTALLATION AND COUPLING COMBINATION 4"X110MM

010

CODICE	MISURA	IMBALLO
0100012020	1/2"x20	20/240
0100034025	3/4"x25	15/180
0100100032	1"x32	12/108
0100114040	1"1/4x40	6/54
0100112050	1"1/2x50	4/28
0100200063	2"x63	2/12

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

STRAIGHT FEMALE CONNECTOR

010FL

CODICE	MISURA	IMBALLO
0100212075	2"1/2x75	1/12
0100300090	3"x90	1/8
0100400110	4"x110	1/4

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

STRAIGHT FEMALE CONNECTOR, WITH FLANGES

015

CODICE	MISURA	IMBALLO
0150012020	1/2"x20	20/240
0150034025	3/4"x25	15/180
0150100032	1"x32	12/108
0150114040	1"1/4x40	6/54
0150112050	1"1/2x50	4/32
0150200063	2"x63	2/12

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Male threads ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).

STRAIGHT MALE CONNECTOR

015FL

CODICE	MISURA	IMBALLO
0150212075	2"1/2x75	1/12
0150300090	3"x90	1/8
0150400110	4"x110	1/4

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Male threads ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

STRAIGHT MALE CONNECTOR, WITH FLANGES

020



CODICE	MISURA	IMBALLO
0200012020	20	12/168
0200034025	25	10/120
0200100032	32	8/64
0200114040	40	4/36
0200112050	50	2/24
0200200063	63	2/16

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.



STRAIGHT COUPLING

020FL



CODICE	MISURA	IMBALLO
0200212075	75	1/6
0200300090	90	1/5
0200400110	110	1/3

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.



STRAIGHT COUPLING, WITH FLANGES

025



CODICE	MISURA	IMBALLO
0250100032	32	6/36
0250114040	40	4/20
0250112050	50	2/18
0250200063	63	1/8

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.



EXTENDED COUPLING SLEEVE, TO REPAIR PIPES

030



CODICE	MISURA	IMBALLO
0300012020	20	6/84
0300034025	25	6/54
0300100032	32	4/28
0300114040	40	3/18
0300112050	50	2/10
0300200063	63	1/5

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.



EQUAL T COUPLING

030FL



CODICE	MISURA	IMBALLO
0300212075	75	1/3
0300300090	90	1/2

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.



EQUAL T COUPLING, WITH FLANGES

035



CODICE	MISURA	IMBALLO
0350012020	1/2"x20	8/112
0350034025	3/4"x25	6/72
0350100032	1"x32	4/36
0350114040	1"1/4x40	3/27
0350112050	1"1/2x50	2/14
0350200063	2"x63	1/8

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



FEMALE BRANCH T COUPLING

035FL



CODICE	MISURA	IMBALLO
0350212075	2"1/2x75	1/4
0350300090	3"x90	1/3
0350400110	4"x110	1/1

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



FEMALE BRANCH T COUPLING, WITH FLANGES

040



CODICE	MISURA	IMBALLO
0400012020	1/2"x20	15/180
0400034025	3/4"x25	12/108
0400100032	1"x32	8/64
0400114040	1"1/4x40	4/32
0400112050	1"1/2x50	4/24
0400200063	2"x63	2/12

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Male threads ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).



MALE ELBOW

040FL



CODICE	MISURA	IMBALLO
0400212075	2"1/2x75	1/6
0400300090	3"x90	1/4

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Male threads ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



MALE ELBOW, WITH FLANGES

045



CODICE	MISURA	IMBALLO
0450012020	1/2"x20	15/180
0450034025	3/4"x25	12/108
0450100032	1"x32	8/64
0450114040	1"1/4x40	6/36
0450112050	1"1/2x50	4/24
0450200063	2"x63	2/12

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



FEMALE ELBOW

048



CODICE	MISURA	IMBALLO
0480012020	1/2"x20	15/120
0480034025	3/4"x25	12/96
0480100032	1"x32	8/64

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



BACKPLATE FEMALE ELBOW

045FL



CODICE	MISURA	IMBALLO
0450212075	2"1/2x75	1/8
0450300090	3"x90	1/4
0450400110	4"x110	1/2

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



FEMALE ELBOW, WITH FLANGES

055



CODICE	MISURA	IMBALLO
0550012020	20	100/1200
0550034025	25	75/600
0550100032	32	50/400
0550114040	40	30/150
0550112050	50	20/100
0550200063	63	10/30
0550212075	75	8/24
0550300090	90	3/18
0550400110	110	2/12

Liner in stainless steel AISI 304, whose purpose is to structurally strengthen polyethylene pipes that are used with pipe of S5 series.
To use exclusively with VX and VX-N fittings.



STAINLESS STEEL LINER

050



CODICE	MISURA	IMBALLO
0500012020	20	12/108
0500034025	25	10/90
0500100032	32	6/48
0500114040	40	4/32
0500112050	50	2/16
0500200063	63	1/6

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.



ELBOW COUPLING

050FL



CODICE	MISURA	IMBALLO
0500212075	75	1/4
0500300090	90	1/2

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.



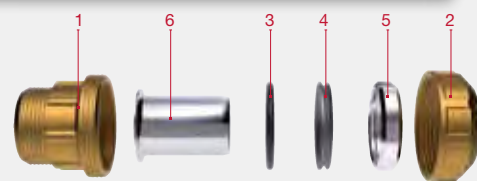
ELBOW COUPLING, WITH FLANGES

**ADVANTAGES**



SUITABLE FOR THE USE WITH HIGH AND LOW DENSITY POLYETHYLENE PIPES

**MATERIALS**



POS.	DESCRIPTION	Q.TY	MATERIAL
1	Body	1	CW617N brass
2	Tightening brass nut	1	CW617N brass
3	O-ring	1	NBR
4	O-ring pushing ring	1	Stainless steel AISI 304
5	Fastening ring	1	Nickel-plated CW617N brass
6	Liner for pipes type S5	1	Stainless steel AISI 304

**INSTALLATION**



**710**



STRAIGHT FEMALE CONNECTOR

CODICE	MISURA	IMBALLO
7100012020	1/2"x20	20/280
7100034025	3/4"x25	15/180
7100100032	1"x32	12/108
7100114040	1"1/4x40	6/54

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



**715**



STRAIGHT MALE CONNECTOR

CODICE	MISURA	IMBALLO
7150012020	1/2"x20	20/280
7150034025	3/4"x25	15/180
7150100032	1"x32	12/108
7150114040	1"1/4x40	6/54

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



**720**



STRAIGHT COUPLING

CODICE	MISURA	IMBALLO
7200012020	20	12/168
7200034025	25	10/120
7200100032	32	8/64
7200114040	40	4/36

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.



**730**



EQUAL T COUPLING

CODICE	MISURA	IMBALLO
7300012020	20	6/84
7300034025	25	6/54
7300100032	32	4/28
7300114040	40	4/20

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.



**735**



FEMALE BRANCH T COUPLING

CODICE	MISURA	IMBALLO
7350012020	1/2"x20	8/112
7350034025	3/4"x25	6/72
7350100032	1"x32	4/36
7350114040	1"1/4x40	4/24

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



**740**



MALE ELBOW

CODICE	MISURA	IMBALLO
7400012020	1/2"x20	15/210
7400034025	3/4"x25	12/108
7400100032	1"x32	8/64
7400114040	1"1/4x40	6/48

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



**745**



FEMALE ELBOW

CODICE	MISURA	IMBALLO
7450012020	1/2"x20	15/210
7450034025	3/4"x25	12/144
7450100032	1"x32	8/64
7450114040	1"1/4x40	6/36

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



**750**



ELBOW COUPLING

CODICE	MISURA	IMBALLO
7500012020	20	12/108
7500034025	25	10/90
7500100032	32	6/48
7500114040	40	4/32

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25 bar.



**055**



STAINLESS STEEL LINER

CODICE	MISURA	IMBALLO
0550012020	20	100/1200
0550034025	25	75/600
0550100032	32	50/400
0550114040	40	30/150

Liner in stainless steel AISI 304, whose purpose is to structurally strengthen polyethylene pipes that are used with pipe of S5 series.
To use exclusively with VX and VX-N fittings.



151



CODICE	MISURA	PRESSIONE	IMBALLO
1510012	1/2"	50bar/725psi	20/240
1510034	3/4"	40bar/580psi	15/135
1510100	1"	40bar/580psi	10/90
1510114	1"1/4	30bar/435psi	6/54
1510112	1"1/2	30bar/435psi	4/36
1510200	2"	25bar/362,5psi	2/24

Suitable for domestic water services, heating and air-conditioning plants.
Body in brass.
Minimum and maximum working temperatures: -20°C, 120°C (in absence of steam).
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



3-PIECE STRAIGHT CONNECTOR, FLAT WASHER

152



CODICE	MISURA	PRESSIONE	IMBALLO
1520012	1/2"	50bar/725psi	15/180
1520034	3/4"	40bar/580psi	12/96
1520100	1"	40bar/580psi	8/64
1520114	1"1/4	30bar/435psi	6/36

Suitable for domestic water services, heating and air-conditioning plants.
Body in brass.
Minimum and maximum working temperatures: -20°C, 120°C (in absence of steam).
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



3-PIECE ELBOW, FLAT WASHER

161



CODICE	MISURA	PRESSIONE	IMBALLO
1610012	1/2"	50bar/725psi	20/240
1610034	3/4"	40bar/580psi	15/135
1610100	1"	40bar/580psi	10/90
1610114	1"1/4	30bar/435psi	6/54
1610112	1"1/2	30bar/435psi	4/36
1610200	2"	25bar/362,5psi	2/24

Suitable for domestic water services, heating and air-conditioning plants.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 120°C (in absence of steam).
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



3-PIECE STRAIGHT CONNECTOR, WITH O-RING

161G



CODICE	MISURA	PRESSIONE	IMBALLO
1610012G	1/2"	50bar/725psi	20/240
1610034G	3/4"	40bar/580psi	15/135
1610100G	1"	40bar/580psi	12/108
1610114G	1"1/4	30bar/435psi	6/54

Suitable for domestic water services, heating and air-conditioning plants.
Body in brass.
Minimum and maximum working temperatures: -20°C, 120°C (in absence of steam).
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



3-PIECE STRAIGHT CONNECTOR, WITH O-RING

162



CODICE	MISURA	PRESSIONE	IMBALLO
1620012	1/2"	50bar/725psi	15/180
1620034	3/4"	40bar/580psi	12/96
1620100	1"	40bar/580psi	8/64
1620114	1"1/4	30bar/435psi	6/36

Suitable for domestic water services, heating and air-conditioning plants.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 120°C (in absence of steam).
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



3-PIECE ELBOW, WITH O-RING

154



Available also with NPT thread.
ACS approved in 3/4 "and 1" sizes.

CODICE	MISURA	PRESSIONE	IMBALLO
1540034	3/4"x1/2"	20bar/290psi	20/280
1540100	1"x3/4"	20bar/290psi	10/150
1540114	1"1/4x1"	20bar/290psi	6/84
1540112	1"1/2x1"1/4	20bar/290psi	2/60
1540200	2"x1"1/2	20bar/290psi	2/32
1540212l	2"1/2x2"	20bar/290psi	1/20

Available sizes:
F3/4"xM1/2", F1"XM3/4", F1"1/4XM1", F1"1/2XM1"1/4, F2"XM1"1/2, F2"1/2XM2".
Nut and tail in brass.
Minimum and maximum working temperatures: -20°C, 120°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



CONNECTOR FOR WATER METERS

110



CODICE	MISURA	PRESSIONE	IMBALLO
1100100	1"	25bar/362.5psi	6/72

Body in brass.
Nominal pressure: 25 bar.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male threads: ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).



5-WAY CONNECTOR FOR PUMPS AND TANKS

275



CODICE	MISURA	IMBALLO
2750012	3/8"x1/2"	250/3000

Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



REDUCTION 3/8"X1/2"

276



CODICE	MISURA	IMBALLO
2760034	3/4"x1/2"	125/1000

Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



REDUCTION 3/4"X1/2", INNER HEXAGON

142



CODICE	IMBALLO
1420012	300/300

Available size: mm12xmm0,076.
Length: m12.

PTFE TAPER



 ROL075



ml.75

CODICE	IMBALLO
ROL075	4/32

Composition: anaerobic methacrylate.
Colour: yellow.
Viscosity (+B2652+25° - mPa s): 20.000 - 80.000 thixotropic.
Specific weight (g/ml): 1,1.
Fluorescence: under blue light.
Flash point: > +100°C.
Gap filling: M56 / 2" / 0,30mm.
Handling cure time: 15-30 minutes.
Functional cure time: 1-2 hours.
Final cure time: 3-6 hours.
Locking torque breakaway (ISO 10964): 18 - 24 N x m.
Locking torque prevailing (ISO 10964): 7 - 14 N x m.
Shear strength (ISO 10123: 6-3 N/mm2).
Temperature range: -55°C - +150°C.

Anaerobic curing adhesive for sealing of metal thread joints only.
Approved for Gas (DVGW, DIN-EN 751-1), high pressure gas and GLP for working pressure up to 20 Bars.
WRAS listed for contact with wholesome (potable) water.
NSF registered in cat. P1 as acceptable for use as a sealant in and around food processing area.
Approved for use with gaseous oxygen up to 10 Bars and +60°C (BAM Ref. N° II-717/2007 E).
It seals against gas, water, LPG, hydrocarbons, oils and other chemicals.
Thixotropic property prevents migration of sealant from thread before or during curing.
It replaces PTFE tape and yarn and gives instant sealing against moderate pressure.
Shock and vibrations resistant, sealing properties unaffected over the temperature range from -55°C to +150°C.

THREAD SEALING FOR METAL THREAD JOINTS

 TUB100



ml.100

CODICE	IMBALLO
TUB100	7/35

Composition: anaerobic methacrylate.
Colour: yellow.
Viscosity (+B2652+25° - mPa s): 20.000 - 80.000 thixotropic.
Specific weight (g/ml): 1,1.
Fluorescence: under blue light.
Flash point: > +100°C.
Gap filling: M56 / 2" / 0,30mm.
Handling cure time: 15-30 minutes.
Functional cure time: 1-2 hours.
Final cure time: 3-6 hours.
Locking torque breakaway (ISO 10964): 18 - 24 N x m.
Locking torque prevailing (ISO 10964): 7 - 14 N x m.
Shear strength (ISO 10123: 6-3 N/mm2).
Temperature range: -55°C - +150°C.

Anaerobic curing adhesive for sealing of metal thread joints only.
Approved for Gas (DVGW, DIN-EN 751-1), high pressure gas and GLP for working pressure up to 20 Bars.
WRAS listed for contact with wholesome (potable) water.
NSF registered in cat. P1 as acceptable for use as a sealant in and around food processing area.
Approved for use with gaseous oxygen up to 10 Bars and +60°C (BAM Ref. N° II-717/2007 E).
It seals against gas, water, LPG, hydrocarbons, oils and other chemicals.
Thixotropic property prevents migration of sealant from thread before or during curing.
It replaces PTFE tape and yarn and gives instant sealing against moderate pressure.
Shock and vibrations resistant, sealing properties unaffected over the temperature range from -55°C to +150°C.

THREAD SEALING FOR METAL THREAD JOINTS



ACCESSORIES FOR SOLAR
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362S



AUTOMATIC AIR VENT VALVE FOR SOLAR HEATING SYSTEMS

CODICE	MISURA	PRESSIONE	IMBALLO
3620038S	3/8" (DN 10)	10bar/145psi	10/70
3620012S	1/2" (DN 15)	10bar/145psi	10/70

Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 180°C.
Nominal pressure: 10 bar.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



475



THERMOSTATIC MIXING VALVE FOR SOLAR HEATING SYSTEMS

CODICE	MISURA	PRESSIONE	IMBALLO
4750034	3/4" (DN 20)	10bar/145psi	1/12
4750100	1" (DN 25)	10bar/145psi	1/12

Body in brass.
Female threads.
Nominal pressure: 10 bar.
Maximum working temperature: 110°C.
Setting range: from 35°C to 55°C.
KV= 2,17 m3/h.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



477



TEMPERATURE AND PRESSURE RELIEF VALVE FOR SOLAR HEATING SYSTEMS

CODICE	MISURA	PRESSIONE	IMBALLO
4770034	3/4" (DN 20)	10bar/145psi	1/39

It provides automatic temperature and pressure relief protection for hot water and storage tank.
It is equipped with a manually operating lever.
The valve lever must be manually operated at least once a year to insure that water-ways are clear.
Body in antidezincification brass.
105 mm extension thermostat.
Setting temperature: 90°C.
Power rating: 25KW.
Setting pressure: 7 bar.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



478



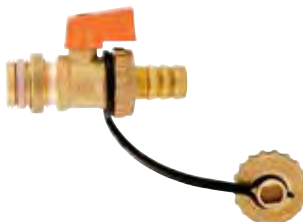
DIAPHRAGM SAFETY RELIEF VALVE - F/F THREADS - FOR SOLAR HEATING SYSTEMS

CODICE	MISURA	PRESSIONE	IMBALLO
4780012	1/2"x3/4"	10bar/145psi	10/90

It provides automatic pressure relief protection for hot water and storage tank.
It is equipped with a manually operating lever.
The valve lever must be manually operated at least once a year to insure that water-ways are clear.
Body in nickel-plated brass.
Nominal pressure: 10 bar.
Available setting: 6 bar.
Minimum and maximum working temperatures: -20°C, 160°C.
Opening overpressure: 20%.
Closing differential: 20%.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



139S



DRAIN BALL VALVE WITH BRASS HOSE CONNECTION FOR SOLAR HEATING SYSTEMS

CODICE	MISURA	PRESSIONE	IMBALLO
1390012S	1/2" (DN 15)	16bar/232psi	20/160

Body in brass.
Hose connection in brass.
Minimum and maximum working temperature: -10°C, 140°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



982



Suitable for the electric actuators art. 990 and 991.

3-WAY DIVERTER ZONE BALL VALVE

CODICE	MISURA	PRESSIONE	IMBALLO
9820034	3/4" (DN 20)	16bar/232psi	1/14
9820100	1" (DN 25)	16bar/232psi	1/9

Body in nickel-plated brass.
Full flow ball.
Maximum working pressure: 16 bar.
Maximum differential pressure: 10bar.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



990



ELECTRIC ACTUATOR FOR ZONE BALL VALVES

CODICE	MISURA	IMBALLO
99023025	230V x 25sec	1/17
99023050	230V x 50sec	1/17

Bidirectional electric actuators.
Supplied with an auxiliary microswitch.
Case in nylon.
Power supply voltage: 230V.
Power consumption: 4VA.
Minimum and maximum working ambient temperature: -5°C, 70°C.
Class of protection: IP54.
Capacity of the auxiliary connection: 2A.
Operating time: 25 or 50 seconds.
Angle of rotation: 90°.
Starting torque:
- 50" model: 10Nm;
- 25" model: 5Nm.



991



ELECTRIC ACTUATOR FOR ZONE BALL VALVES WITH MANUAL UNLOCKING DEVICE

CODICE	MISURA	IMBALLO
99123025	230V x 25sec	1/17
99123050	230V x 50sec	1/17
99102450	24V x 50sec	1/17

Bidirectional electric actuators.
Supplied with an auxiliary microswitch.
Case in nylon.
Power supply voltage: 230V or 24V.
Power consumption: 4VA.
Minimum and maximum working ambient temperature: -5°C, 70°C.
Class of protection: IP54.
Capacity of the auxiliary connection: 2A.
Operating time: 25 or 50 seconds.
Angle of rotation: 90°.
Starting torque:
- 50" model: 10Nm;
- 25" model: 5Nm.



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