Innovation Technology And People



GENERAL CATALOGUE 2018

VALVES - HEATING - FITTINGS

THE COMPANY

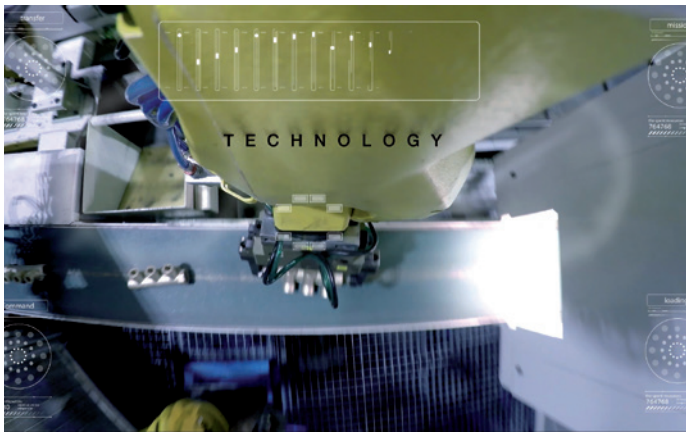
ITAP SpA, founded in Lumezzane (Brescia) in 1972, is currently one of the leading production companies in Italy of valves, fittings and distribution manifolds for plumbing and heating systems.

Thanks to fully automated production processes, with 72 tooling machines and 51 assembly lines, we are able to produce 180.000 pieces per day. Our innate pursuit for innovation and observance of technical regulations is supported by the company certification ISO 9001: 2008.

The company has always considered its focus on quality as the main tool to obtain significant business results: today ITAP SpA is proud to offer products bearing the approval of numerous international certifying bodies.









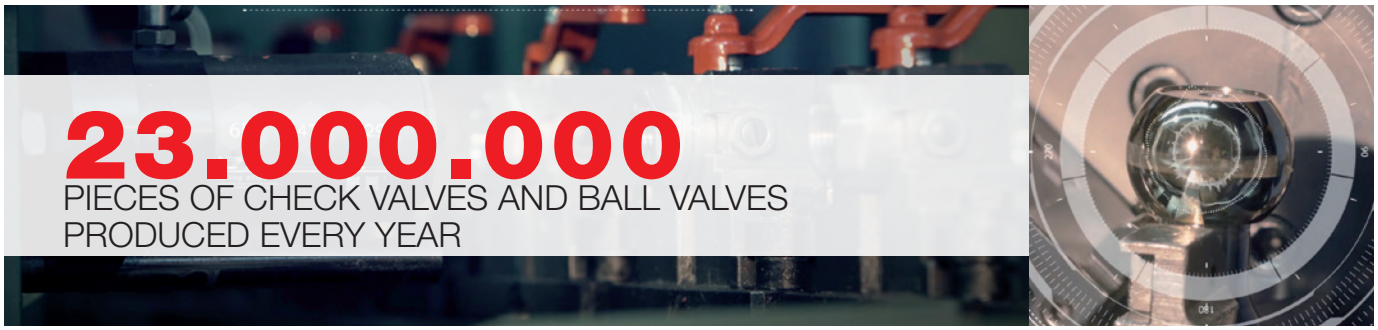
itap®

Innovation Technology And People

FACTS & FIGURES



Itap invented and patented
THE SPRING CHECK VALVE
offering a superior product
compared to swing check valves.



23.000.000
PIECES OF CHECK VALVES AND BALL VALVES
PRODUCED EVERY YEAR



10.500
PALLETS OF FINISHED GOODS
AVAILABLE IN THE WAREHOUSE

CORPORATE RESPONSABILITY



**KEEP OUR COMPANY IN MOVEMENT,
DEVELOPING INNOVATIVE PROJECTS
BASED ON SUSTAINABLE TECHNOLOGIES
AND MATERIALS
TO THE TOTAL RESPECT OF PEOPLE**

QUALITY



SQS **Certificate**

SQS herewith certifies that the company named below has a management system which meets the requirements of the standard specified below.

ITAP S.p.A.
Via Ruca, 19/21
25065 Lumezzane (BS)
Italy

Certified area

According to appendix

Field of activity

Design and manufacturing of brass valves, couplings, manifolds and fittings for hot and cold domestic water services and heating systems

Standard

ISO 9001:2008 Quality Management System

Swiss Association for Quality and Management Systems SQS
Bernstrasse 103, CH-3052 Zollikofen
Issue date: November 13, 2015

This SQS Certificate is valid up to and including September 14, 2018
Scope number 17
Registration number 11474

V. Edelmann, President SQS

R. Glauser, CEO SQS

Partner of IQNet

IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and SQS
hereby certify that the organisation

ITAP S.p.A.
Via Ruca, 19/21
25065 Lumezzane (BS)
Italy

Certified area

According to appendix SQS registration number 11474

Field of activity

Design and manufacturing of brass valves, couplings, manifolds and fittings for hot and cold domestic water services and heating systems

has implemented and maintains a
Management System
which fulfills the requirements of the following standard(s)

ISO 9001:2008

Scope No(s): 17
Issued on: 2015-11-13
Validity date: 2018-09-14
Registration Number: ***CH-11474***

Michael Drechsel
President of IQNet

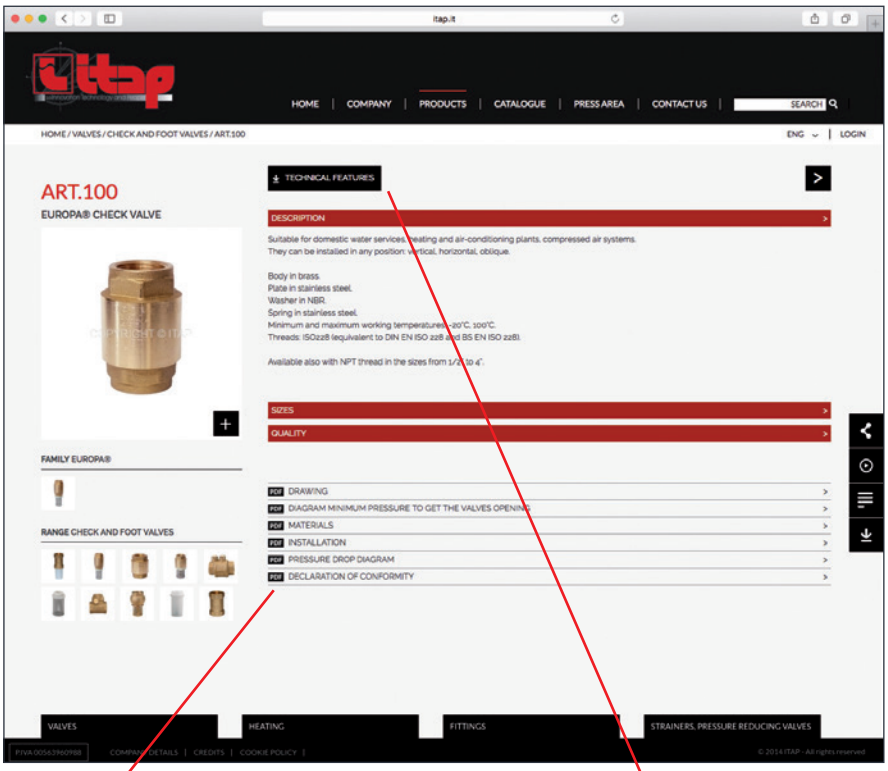
Roland Glauser
CEO SQS

IQNet Partners*:
AENOR Spain AFNOR Certification France AIB-Vincotte International Belgium APCER Portugal CCC Cyprus CISQ Italy CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico Inspecta Certification Finland INTECO Costa Rica IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland PCBC Poland Quality Austria Austria RR Russia SIQE Mexico SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St.Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.
* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

TECHNICAL CATALOGUE

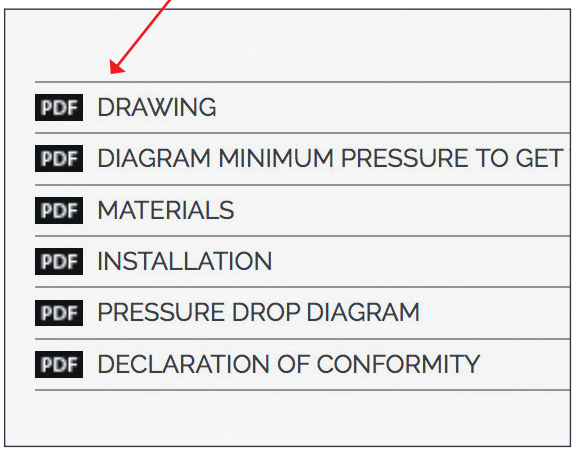
The complete technical features are available on the website www.itap.it.

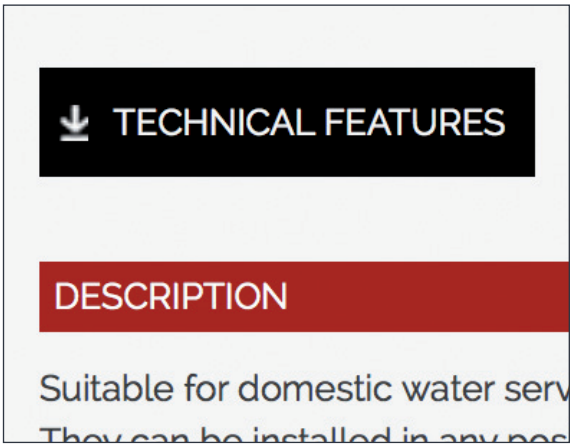
For every item you'll find drawings, materials, minimum pressure diagram to get the valves opening, pressure drops diagrams, installation and declarations of conformity, available in PDF or DXF format.
From the website you can also download all the complete technical catalogue of each item in PDF format.



See or download any single technical sheet in PDF or DXF format.

Download the complete technical catalogue in PDF format.





IMPORTANT NOTICE

Innovation Technology And People

PACKING IN BOXES AND CARTONS HAVE BEEN CHANGED.

Articles 111, 116 and 090 in the sizes 1/4" and 3/8" are actually the same full flow ball valve (3 different codes for the same product). We accept orders for all of them, but in our invoices we will only mention art. 090.
Example: orders received for 100pcs. art.111 - 3/8", in invoice we will mention 100pcs. art.090 - 3/8".
The same applies to the following groups of articles (size 1/4" and 3/8" only):
- 112,117, 091: in invoice art. 091 only.
- 113, 118, 092: in invoice art. 092 only.
- 114, 119, 093: in invoice art. 093 only.

Articles 076 and 080 in the sizes 2"1/2, 3" and 4" are actually the same full flow ball valve (2 different codes for the same product). We accept orders for all of them, but in our invoices we will only mention art. 120 or120N.
Example: orders received for 100pcs. art.076 -2"1/2, in invoice we will mention 100pcs. art.120N - 2"1/2.
The same applies to the following groups of articles (size 2"1/2, 3" and 4" only):
- 077: in invoice art.121N only - 081: in invoice art.121 only.

Articles 066 and 070 in the sizes 2"1/2, 3" and 4" are actually the same full flow ball valve (2 different codes for the same product). We accept orders for all of them, but in our invoices we will only mention art. 120G.
Example: orders received for 100pcs. art.066 -2"1/2, in invoice we will mention 100pcs. art.120G - 2"1/2.
The same applies to the following groups of articles (size 2"1/2, 3" and 4" only):
- 067, 071: in invoice art. 121G only.

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 UNCRITMMOLE
Favour ITAP S.p.A. - Lumezzane ITALY
Account 4422673
IBAN IT73N 02008 11239 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

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.

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

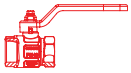
ORDERS BELOW THIS VALUE ARE ANYWAY NOT ACCEPTED



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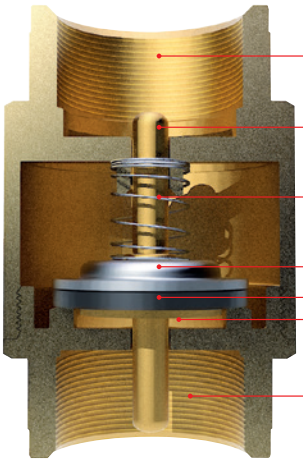


Swing check valve

1

EUROPA®

MATERIALS



Body: CW617N brass

Pin: CW614N brass

Spring: stainless steel AISI302

Plate: stainless steel AISI304

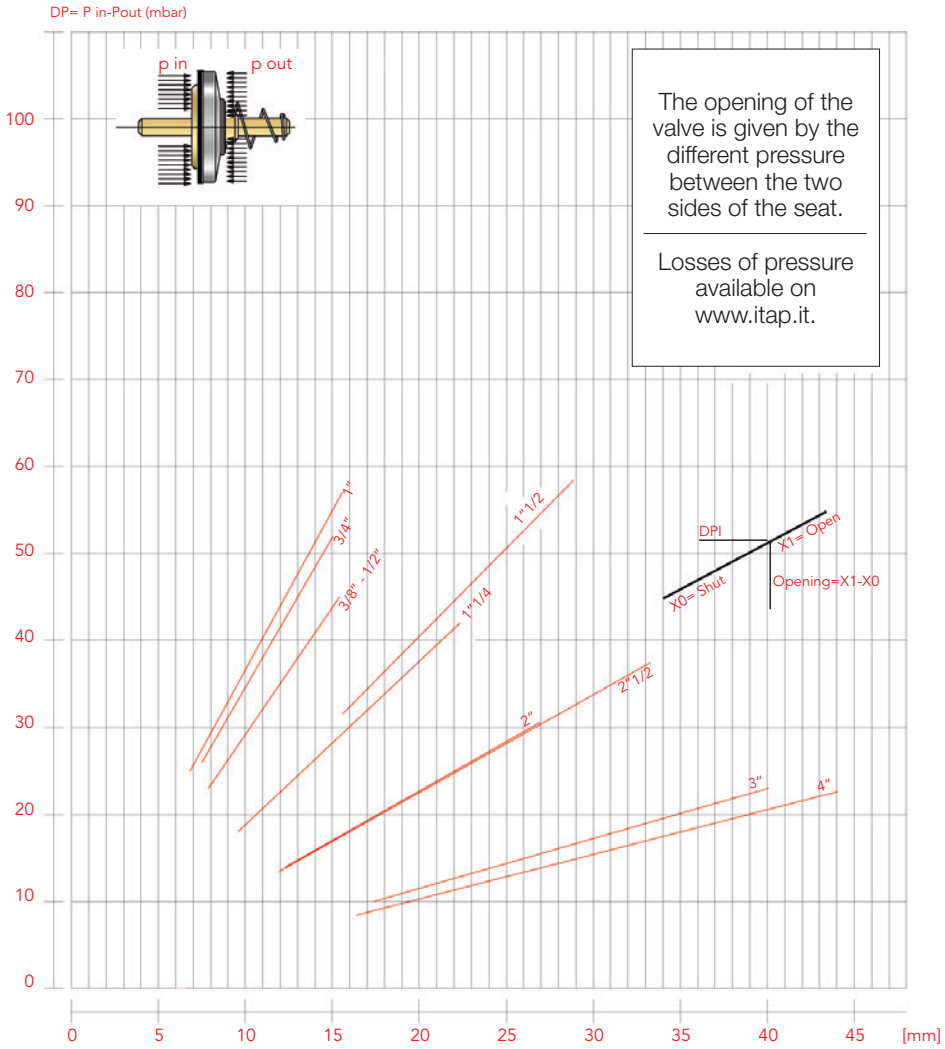
Washer: NBR

Plug: CW614N brass

End adapter: CW617N brass

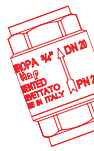
EUROPA®

DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



The opening of the valve is given by the different pressure between the two sides of the seat.

Losses of pressure available on www.itap.it.



INFO

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

100

EUROPA® CHECK VALVE



SIZE	PRESSURE	CODE	PACKING
3/8” (DN 10)	25bar/362.5psi	1000038	10/130
1/2” (DN 15)	25bar/362.5psi	1000012	10/120
3/4” (DN 20)	25bar/362.5psi	1000034	8/88
1” (DN 25)	25bar/362.5psi	1000100	6/54
1”1/4 (DN 32)	18bar/261psi	1000114	4/36
1”1/2 (DN 40)	18bar/261psi	1000112	4/32
2” (DN 50)	18bar/261psi	1000200	2/20
2”1/2 (DN 65)	12bar/174psi	1000212	1/9
3” (DN 80)	12bar/174psi	1000300	1/6
4” (DN 100)	12bar/174psi	1000400	1/4

Body in brass.
Plate in stainless steel.
Washer in NBR.
Spring in stainless steel.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Available also with NPT thread in the sizes from 1/2” to 4”.Price as in the chart.

105

EUROPA® FOOT VALVE



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	25bar/362.5psi	1050038	8/120
1/2" (DN 15)	25bar/362.5psi	1050012	8/120
3/4" (DN 20)	25bar/362.5psi	1050034	6/90
1" (DN 25)	25bar/362.5psi	1050100	4/60
1"1/4 (DN 32)	18bar/261psi	1050114	4/32
1"1/2 (DN 40)	18bar/261psi	1050112	2/26
2" (DN 50)	18bar/261psi	1050200	2/14
2"1/2 (DN 65)	12bar/174psi	1050212	1/6
3" (DN 80)	12bar/174psi	1050300	1/5
4" (DN 100)	12bar/174psi	1050400	1/3

Body in brass.
Plate in stainless steel.
Washer in NBR.
Spring in stainless steel.
Strainer in polymer and stainless steel.
Filtration degree: 3/8” through 2”: 1200µm; 2”1/2 through 4”: 2000µm.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Available also with NPT thread in the sizes 2”1/2, 3” and 4”. Price as in the chart.

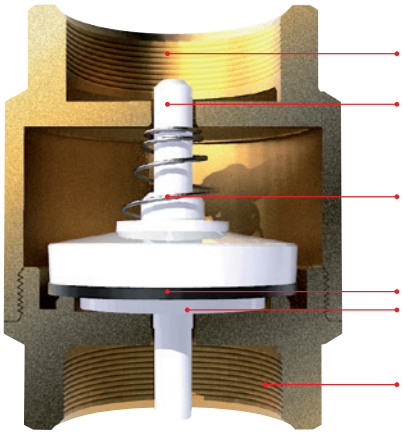
CERT

100 - 105

1

YORK®

MATERIALS



Body: CW617N brass

Pin: polymer

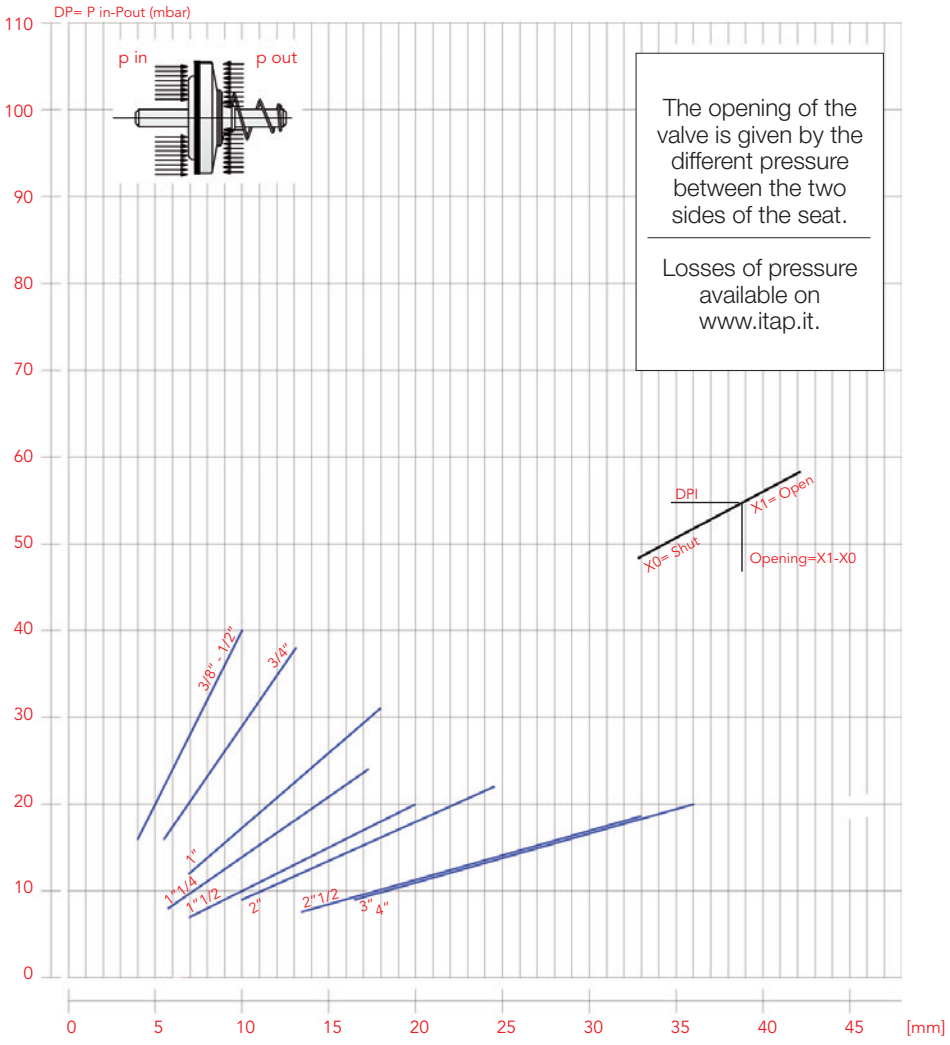
Spring: stainless steel AISI302

Washer: NBR
Plate: polymer

End adapter: CW617N brass

YORK®

DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



The opening of the valve is given by the different pressure between the two sides of the seat.

Losses of pressure available on www.itap.it.

INFO

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

103

YORK® CHECK VALVE



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	12bar/174psi	1030038	10/200
1/2" (DN 15)	12bar/174psi	1030012	10/200
3/4" (DN 20)	12bar/174psi	1030034	8/128
1" (DN 25)	12bar/174psi	1030100	8/88
1"1/4 (DN 32)	10bar/145psi	1030114	6/54
1"1/2 (DN 40)	10bar/145psi	1030112	4/36
2" (DN 50)	10bar/145psi	1030200	2/28
2"1/2 (DN 65)	8bar/116psi	1030212	1/16
3" (DN 80)	8bar/116psi	1030300	1/12
4" (DN 100)	8bar/116psi	1030400	1/7

Body in brass.
Plate in polymer.
Washer in NBR.
Spring in stainless steel.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

108

YORK® FOOT VALVE



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	12bar/174psi	1080038	10/220
1/2" (DN 15)	12bar/174psi	1080012	10/220
3/4" (DN 20)	12bar/174psi	1080034	8/144
1" (DN 25)	12bar/174psi	1080100	8/120
1"1/4 (DN 32)	10bar/145psi	1080114	6/60
1"1/2 (DN 40)	10bar/145psi	1080112	4/48
2" (DN 50)	10bar/145psi	1080200	2/26
2"1/2 (DN 65)	6bar/87psi	1080212	1/25
3" (DN 80)	6bar/87psi	1080300	1/17
4" (DN 100)	6bar/87psi	1080400	1/10

Body in brass.
Plate in polymer.
Washer in NBR.
Spring in stainless steel.
Strainer in polymer and stainless steel.
Filtration degree: 3/8" through 2": 1200µm; 2"1/2 through 4": 2000µm.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

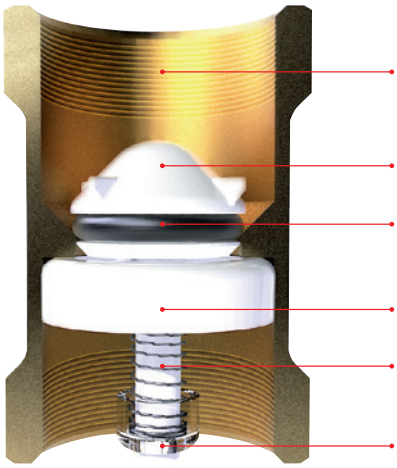
CERT

103
108

1

BLOCK®

MATERIALS



Body: CW617N brass

Plate: polymer

O-ring: NBR

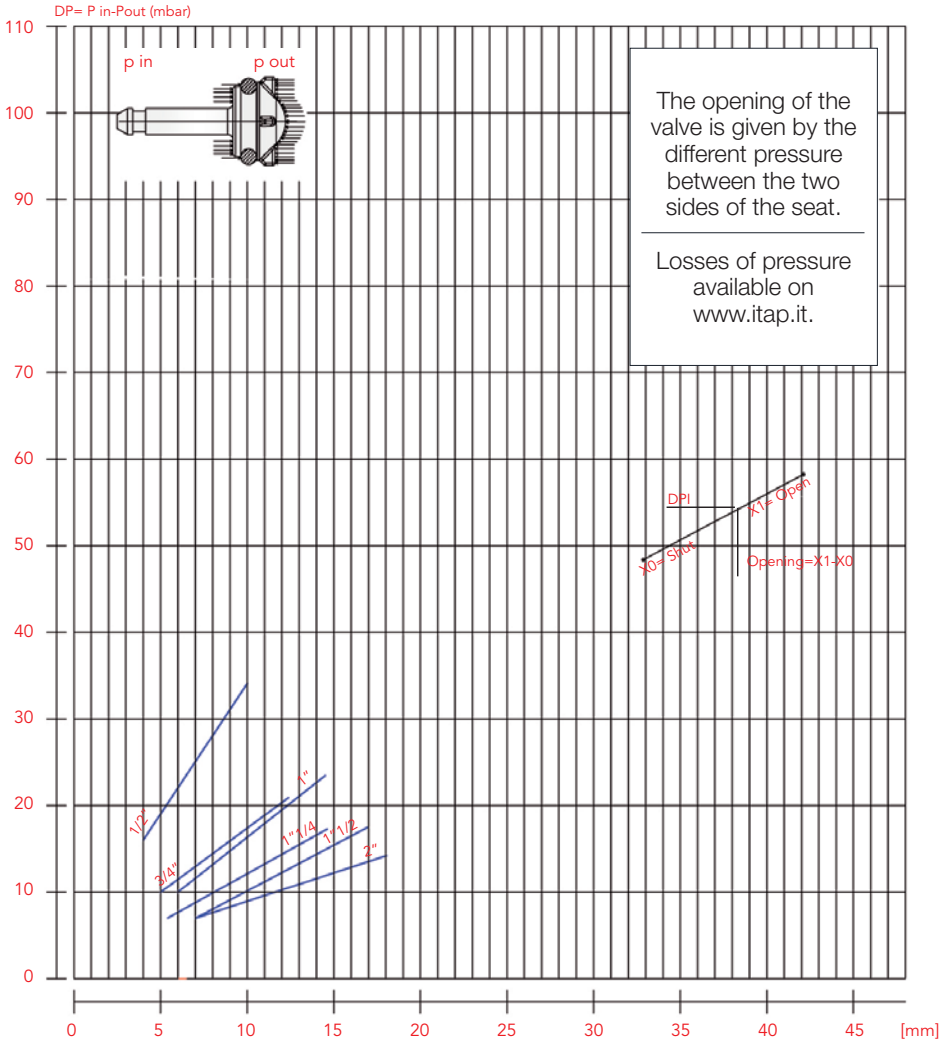
Guide: polymer

Spring: stainless steel AISI302

Spring stop: polymer

BLOCK®

DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



INFO

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

101

BLOCK® CHECK VALVE



PATENTED

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	12bar/174psi	1010012	14/322
3/4" (DN 20)	12bar/174psi	1010034	12/204
1" (DN 25)	12bar/174psi	1010100	10/160
1"1/4 (DN 32)	10bar/145psi	1010114	8/88
1"1/2 (DN 40)	10bar/145psi	1010112	6/72
2" (DN 50)	10bar/145psi	1010200	4/40

Body in brass.
Plate in polymer.
O-ring in NBR.
Spring in stainless steel.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

106

BLOCK® FOOT VALVE



PATENTED

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	12bar/174psi	1060012	14/252
3/4" (DN 20)	12bar/174psi	1060034	12/144
1" (DN 25)	12bar/174psi	1060100	10/100
1"1/4 (DN 32)	10bar/145psi	1060114	8/72
1"1/2 (DN 40)	10bar/145psi	1060112	6/54
2" (DN 50)	10bar/145psi	1060200	4/32

Body in brass.
Plate in polymer.
O-ring in NBR.
Spring in stainless steel.
Strainer in polymer.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

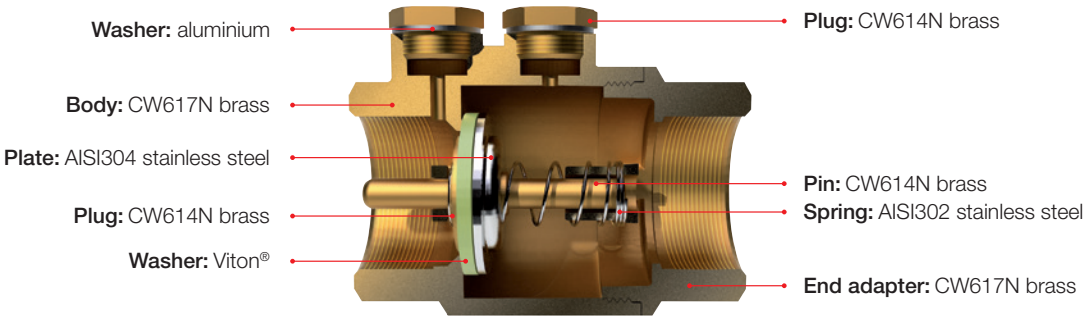
CERT

101- 106



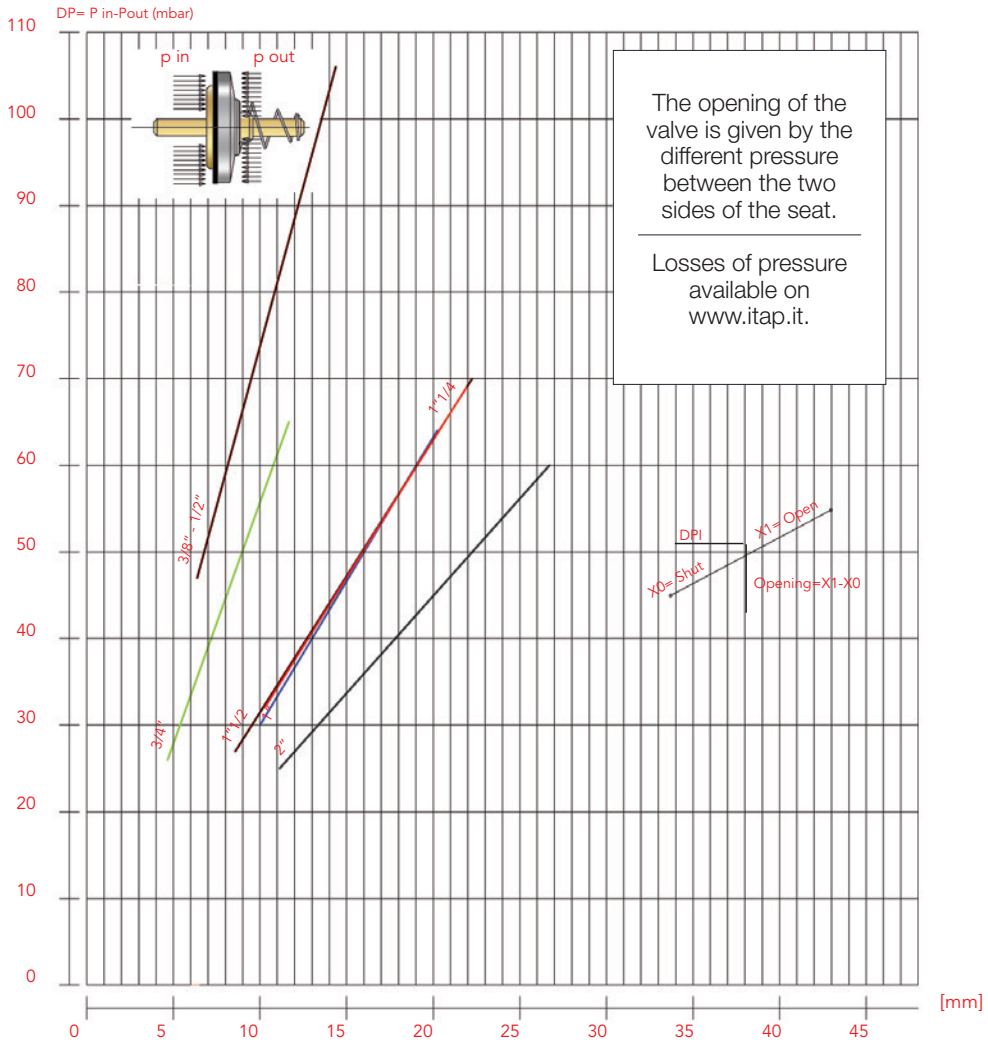
ROMA®

MATERIALS



ROMA®

DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



INFO

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

104

ROMA® CHECK VALVE



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	25bar/362.5psi	1040038	10/100
1/2" (DN 15)	25bar/362.5psi	1040012	10/100
3/4" (DN 20)	25bar/362.5psi	1040034	8/72
1" (DN 25)	25bar/362.5psi	1040100	6/48
1"1/4 (DN 32)	18bar/261psi	1040114	4/28
1"1/2 (DN 40)	18bar/261psi	1040112	4/24
2" (DN 50)	18bar/261psi	1040200	2/16

Body in brass.
Plate in stainless steel.
Washer in Viton®.
Spring in 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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

102

STRAINER FOR EUROPA® YORK® BLOCK® ROMA® CHECK VALVES



SIZE	CODE	PACKING
3/8" (DN 10)	1020038	30/1200
1/2" (DN 15)	1020012	30/900
3/4" (DN 20)	1020034	20/480
1" (DN 25)	1020100	20/280
1"1/4 (DN 32)	1020114	10/180
1"1/2 (DN 40)	1020112	10/140
2" (DN 50)	1020200	4/76
2"1/2 (DN 65)	1020212	1/62
3" (DN 80)	1020300	1/36
4" (DN 100)	1020400	1/20

Filtration degree: 3/8" through 2": 1200µm; 2"1/2 through 4": 2000µm.
Strainer in stainless steel.
Threaded end in polymer.
Thread: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Available also with NPT thread in the sizes 2"1/2, 3" and 4". Price as in the chart.

107

STRAINER FOR EUROPA® YORK® BLOCK® ROMA® CHECK VALVES



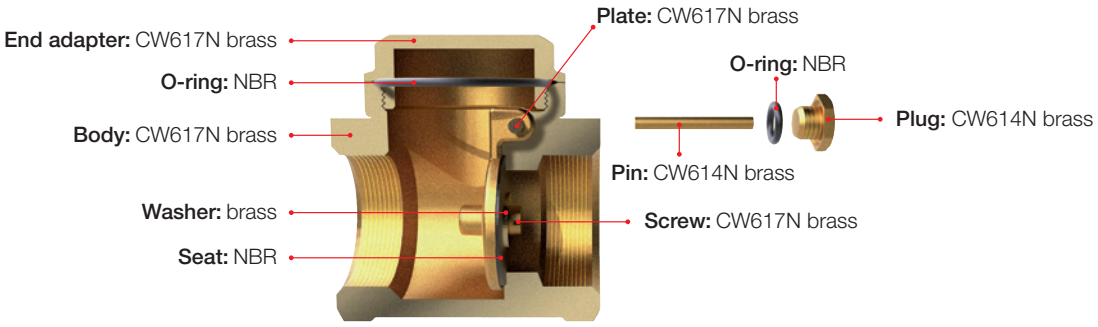
SIZE	CODE	PACKING
3/8" (DN 10)	1070038	50/1500
1/2" (DN 15)	1070012	40/1200
3/4" (DN 20)	1070034	35/840
1" (DN 25)	1070100	30/420
1"1/4 (DN 32)	1070114	20/280
1"1/2 (DN 40)	1070112	15/180
2" (DN 50)	1070200	8/112

Strainer in polymer.
Thread: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

CERT

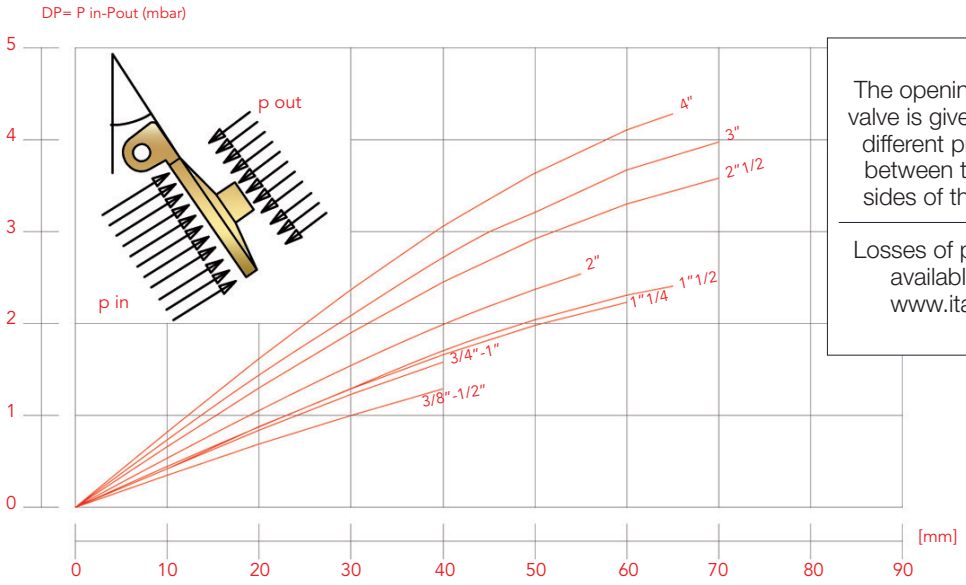
104 102 107 — 104 102 — 104

MATERIALS



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

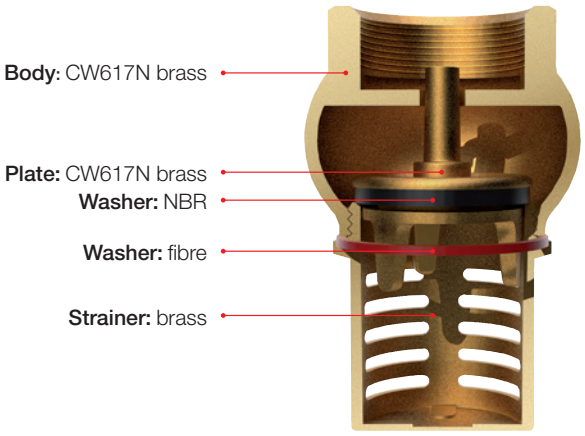
DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



The opening of the valve is given by the different pressure between the two sides of the seat.

Losses of pressure available on www.itap.it.

MATERIALS



130

SWING CHECK VALVE



NBR SEAT

SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	16bar/232psi	1300038G	16/128
1/2" (DN 15)	16bar/232psi	1300012G	16/128
3/4" (DN 20)	16bar/232psi	1300034G	12/96
1" (DN 25)	12bar/174psi	1300100G	8/56
1"1/4 (DN 32)	10bar/145psi	1300114G	5/40
1"1/2 (DN 40)	10bar/145psi	1300112G	4/32
2" (DN 50)	10bar/145psi	1300200G	2/24

METAL SEAT

SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	16bar/232psi	1300038M	16/128
1/2" (DN 15)	16bar/232psi	1300012M	16/128
3/4" (DN 20)	16bar/232psi	1300034M	12/96
1" (DN 25)	12bar/174psi	1300100M	8/56
1"1/4 (DN 32)	10bar/145psi	1300114M	5/40
1"1/2 (DN 40)	10bar/145psi	1300112M	4/32
2" (DN 50)	10bar/145psi	1300200M	2/24
2"1/2 (DN 65)	8bar/116psi	1300212M	1/12
3" (DN 80)	8bar/116psi	1300300M	1/10
4" (DN 100)	8bar/116psi	1300400M	1/4

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: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
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".
Price as in the chart.

140

FOOT VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	10bar/145psi	1400012	12/156
3/4" (DN 20)	10bar/145psi	1400034	12/96
1" (DN 25)	10bar/145psi	1400100	12/96
1"1/4 (DN 32)	8bar/116psi	1400114	5/60
1"1/2 (DN 40)	8bar/116psi	1400112	3/30
2" (DN 50)	8bar/116psi	1400200	2/26
2"1/2 (DN 65)	6bar/87psi	1400212	1/16
3" (DN 80)	6bar/87psi	1400300	1/8
4" (DN 100)	6bar/87psi	1400400	1/6

Body and strainer in brass.
Strainer washer in fibre.
Plate in brass.
Washer in NBR.
Minimum and maximum working temperatures: 0°C, 90°C.
Thread: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Available also with NPT thread in the sizes 2"1/2, 3" and 4".
Price as in the chart.

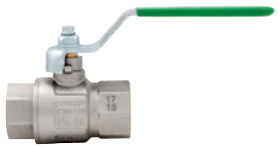
CERT

130
140

BALL VALVES
GATE VALVES
BIBCOCKS
GAS SAFETY DEVICES

376 - 377
378 - 379

16



Green® ecological ball valves

080 - 081
082 - 083

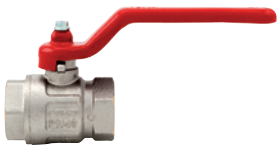
18



Paris® full flow ball valves

090 - 091
092 - 093
098 - 098S
098SDC
298 - 298S
298SDC
492BC

19-21



Ideal® full flow ball valves

111 - 112
113 - 114
211

24



Orient® reduced flow ball valves

086 -084
084LK
084PP
087 - 088

26-28



Handle and locking device for ball valves

17

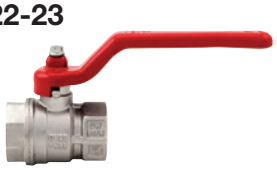
076 - 077
078 - 079



Madrid® full flow ball valves

22-23

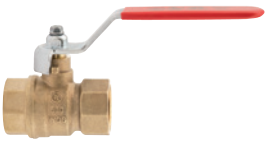
116 - 117
118 - 119
216 - 217



Vienna® standard flow ball valves

25

145



Stream® full flow ball valves

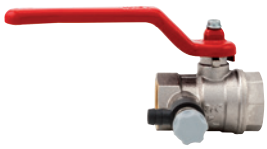
28

125 - 126



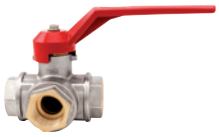
MINI ball valves

115 **29**



Standard flow ball valve with revolving drain cock

128 **29**



3-way ball valve

131 **31**



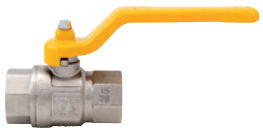
SPIN® hose bibcock with mobile connection

280 - 282
282O **35**



Hose connections

066 - 067
068 - 069
266 - 267 **38 - 39**



London® gas ball valves

086G - 084G
087G **42**



Handles for gas ball valves

29 **099**



Full flow ball valve, male/male thread

30 **156**



PN16 gate valve

31-34



132 - 133 - 134
166 - 167 - 168
174 - 176 - 178
180 - 170 - 172
144 - 191 - 139
139R

Bibcocks

35



350L - 355L
355S

Supply bibcocks

40



070 - 071
072 - 073

Berlin® gas ball valves

41 **060 - 062**



Angle ball valves for gas

43



992 - 993
998

Gas leak detectors and solenoid safety valves

IDEAL®, VIENNA®, ORIENT®, GREEN®, MADRID®

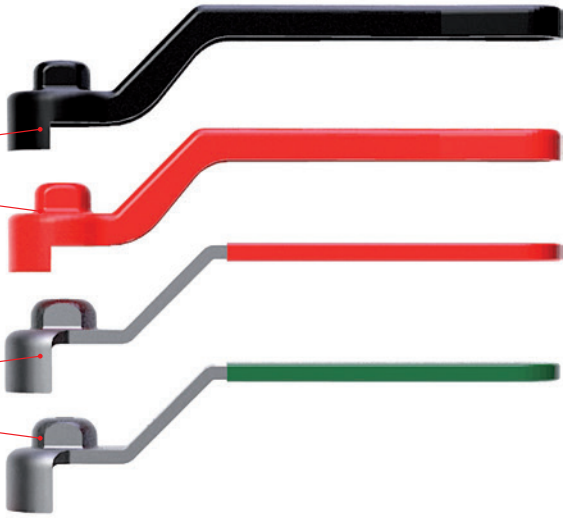
MATERIALS

Screw: zincplated steel Fe CB4

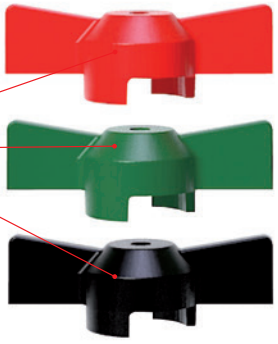


Lever handle:
zincplated and varnished steel
Fe P04

Flat lever handle:
zincplated lined steel Fe P04



T handle:
aluminium

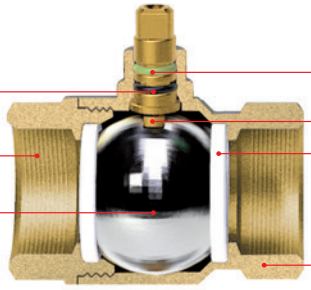


Ideal® Vienna® Orient®

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.

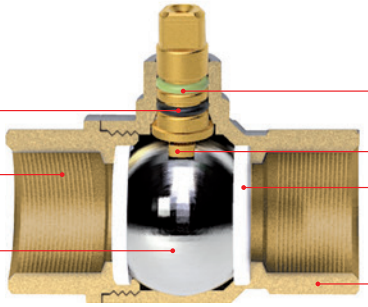
Body: nickel-plated brass CW617N

Green® Madrid®

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

PARIS®

MATERIALS

Screw: zincplated steel Fe CB4



Lever handle:
zincplated and varnished steel
Fe P04



T handle:
aluminium



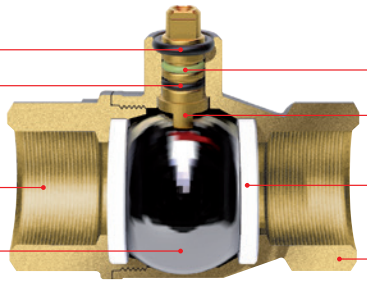
Paris®

O-ring: NBR

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

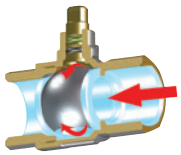
BALL BORE CHART

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®	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	-	-	-	-	-	-
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	-	-	-	-	-	-
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	-	-	-	-	-	-
VIENNA®	116	10	10	14	18,5	23,5	30	37	47	-	-	-
	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	-	-	-
ORIENT®	111	10	10	12	15	20	25	32	40	54	65	80
	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	-	-	-
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	-	-	-	-	-	-

GREEN®

INFO



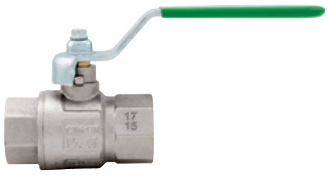
DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

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.

Female/female or male/female threads.
Flat lever handle in lined steel or 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).

376

GREEN® BALL VALVE, FULL FLOW





Locking device p.27

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	376B014	12/156
3/8" (DN 10)	50bar/725psi	376B038	12/156
1/2" (DN 15)	50bar/725psi	376B012	10/80
3/4" (DN 20)	40bar/580psi	376B034	8/64
1" (DN 25)	40bar/580psi	376B100	6/48
1"1/4 (DN 32)	30bar/435psi	376B114	4/24
1"1/2 (DN 40)	30bar/435psi	376B112	2/18
2" (DN 50)	25bar/362.5psi	376B200	2/14

377

GREEN® BALL VALVE, FULL FLOW





Locking device p.27

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	377B014	12/156
3/8" (DN 10)	50bar/725psi	377B038	12/156
1/2" (DN 15)	50bar/725psi	377B012	10/80
3/4" (DN 20)	40bar/580psi	377B034	8/64
1" (DN 25)	40bar/580psi	377B100	6/48
1"1/4 (DN 32)	30bar/435psi	377B114	4/24
1"1/2 (DN 40)	30bar/435psi	377B112	2/18
2" (DN 50)	25bar/362.5psi	377B200	2/14

378

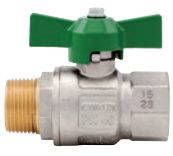
GREEN® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	378B014	15/165
3/8" (DN 10)	50bar/725psi	378B038	15/165
1/2" (DN 15)	50bar/725psi	378B012	10/110
3/4" (DN 20)	40bar/580psi	378B034	8/64
1" (DN 25)	40bar/580psi	378B100	6/48

379

GREEN® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	379B014	15/165
3/8" (DN 10)	50bar/725psi	379B038	15/165
1/2" (DN 15)	50bar/725psi	379B012	10/130
3/4" (DN 20)	40bar/580psi	379B034	8/64
1" (DN 25)	40bar/580psi	379B100	6/48

CERT

376
377
378
379

MADRID®

INFO

Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
Female/female or male/female threads.
Lever handle in steel (aluminium in the sizes 2”1/2, 3” and 4”) or 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 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”

076

MADRID® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	076B014	12/192
3/8" (DN 10)	50bar/725psi	076B038	12/192
1/2" (DN 15)	50bar/725psi	076B012	10/100
3/4" (DN 20)	40bar/580psi	076B034	8/64
1" (DN 25)	40bar/580psi	076B100	6/48
1"1/4 (DN 32)	30bar/435psi	076B114	4/32
1"1/2 (DN 40)	30bar/435psi	076B112	2/16
2" (DN 50)	25bar/362.5psi	076B200	2/14
2"1/2 (DN 65)	18bar/261psi	1200212N	1/5
3" (DN 80)	16bar/232psi	1200300N	1/3
4" (DN 100)	14bar/203psi	1200400N	1/2

077

MADRID® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	077B014	12/192
3/8" (DN 10)	50bar/725psi	077B038	12/132
1/2" (DN 15)	50bar/725psi	077B012	10/100
3/4" (DN 20)	40bar/580psi	077B034	8/64
1" (DN 25)	40bar/580psi	077B100	6/48
1"1/4 (DN 32)	30bar/435psi	077B114	4/24
1"1/2 (DN 40)	30bar/435psi	077B112	2/16
2" (DN 50)	25bar/362.5psi	077B200	2/14
2"1/2 (DN 65)	18bar/261psi	1210212N	1/5
3" (DN 80)	16bar/232psi	1210300N	1/3
4" (DN 100)	14bar/203psi	1210400N	1/2

078

MADRID® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	078B014	15/165
3/8" (DN 10)	50bar/725psi	078B038	15/165
1/2" (DN 15)	50bar/725psi	078B012	10/110
3/4" (DN 20)	40bar/580psi	078B034	8/64
1" (DN 25)	40bar/580psi	078B100	6/48

079

MADRID® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	079B014	15/165
3/8" (DN 10)	50bar/725psi	079B038	15/165
1/2" (DN 15)	50bar/725psi	079B012	10/130
3/4" (DN 20)	40bar/580psi	079B034	8/64
1" (DN 25)	40bar/580psi	079B100	6/48

CERT

076
077
078
079

PARIS®

INFO

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

Female/female or male/female threads.
Lever handle in steel (aluminium in the sizes 2”1/2, 3” and 4”) or 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 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”

080

PARIS®, BALL VALVE FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	080B012	12/96
3/4" (DN 20)	40bar/580psi	080B034	8/40
1" (DN 25)	40bar/580psi	080B100	6/30
1"1/4 (DN 32)	30bar/435psi	080B114	4/24
1"1/2 (DN 40)	30bar/435psi	080B112	2/18
2" (DN 50)	25bar/362.5psi	080B200	2/14
2"1/2 (DN 65)	18bar/261psi	1200212	1/5
3" (DN 80)	16bar/232psi	1200300	1/3
4" (DN 100)	14bar/203psi	1200400	1/2

081

PARIS®, BALL VALVE FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	081B012	12/96
3/4" (DN 20)	40bar/580psi	081B034	8/40
1" (DN 25)	40bar/580psi	081B100	6/30
1"1/4 (DN 32)	30bar/435psi	081B114	4/24
1"1/2 (DN 40)	30bar/435psi	081B112	2/18
2" (DN 50)	25bar/362.5psi	081B200	2/14
2"1/2 (DN 65)	18bar/261psi	1210212	1/5
3" (DN 80)	16bar/232psi	1210300	1/3
4" (DN 100)	14bar/203psi	1210400	1/2

082

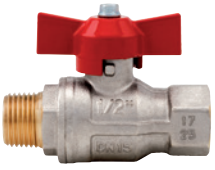
PARIS®, BALL VALVE FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	082B012	12/96
3/4" (DN 20)	40bar/580psi	082B034	8/64
1" (DN 25)	40bar/580psi	082B100	8/40

083

PARIS®, BALL VALVE FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	083B012	12/96
3/4" (DN 20)	40bar/580psi	083B034	8/64
1" (DN 25)	40bar/580psi	083B100	8/48

IDEAL®

INFO

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

Female/female or male/female threads.
Lever handle in steel (aluminium in the sizes 2”1/2, 3” and 4”) or 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).

090

IDEAL®, BALL VALVE FULL FLOW

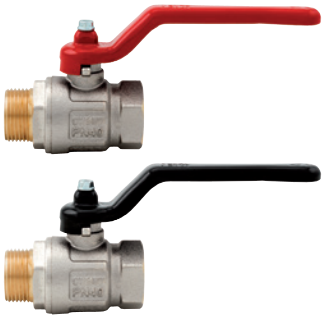


Available also with NPT thread in the sizes 1/4” through 2”.
Mention “N” in the code only to order the black handle.
Price as in the chart.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0900014/N	12/192
3/8" (DN 10)	50bar/725psi	0900038/N	12/192
1/2" (DN 15)	50bar/725psi	0900012/N	12/156
3/4" (DN 20)	40bar/580psi	0900034/N	8/64
1" (DN 25)	40bar/580psi	0900100/N	8/64
1"1/4 (DN 32)	30bar/435psi	0900114/N	4/32
1"1/2 (DN 40)	30bar/435psi	0900112/N	2/26
2" (DN 50)	25bar/362.5psi	0900200/N	2/12
2"1/2 (DN 65)	18bar/261psi	0900212/N	1/7
3" (DN 80)	16bar/232psi	0900300/N	1/4
4" (DN 100)	14bar/203psi	0900400/N	1/2

091

IDEAL®, BALL VALVE FULL FLOW



Mention “N” in the code only to order the black handle.
Price as in the chart.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0910014/N	12/192
3/8" (DN 10)	50bar/725psi	0910038/N	12/192
1/2" (DN 15)	50bar/725psi	0910012/N	12/120
3/4" (DN 20)	40bar/580psi	0910034/N	8/64
1" (DN 25)	40bar/580psi	0910100/N	8/40
1"1/4 (DN 32)	30bar/435psi	0910114/N	4/32
1"1/2 (DN 40)	30bar/435psi	0910112/N	2/24
2" (DN 50)	25bar/362.5psi	0910200/N	2/12

092

IDEAL®, BALL VALVE FULL FLOW

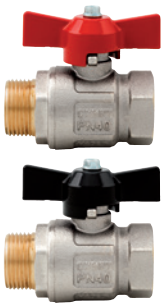


Available also with NPT thread in the sizes 1/4” through 1”.
Mention “N” in the code only to order the black handle.
Price as in the chart.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0920014/N	15/240
3/8" (DN 10)	50bar/725psi	0920038/N	15/240
1/2" (DN 15)	50bar/725psi	0920012/N	12/132
3/4" (DN 20)	40bar/580psi	0920034/N	8/88
1" (DN 25)	40bar/580psi	0920100/N	8/64
1"1/4 (DN 32)	30bar/435psi	0920114/N	4/32

093

IDEAL®, BALL VALVE FULL FLOW



Mention “N” in the code only to order the black handle.
Price as in the chart.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0930014/N	15/165
3/8" (DN 10)	50bar/725psi	0930038/N	15/165
1/2" (DN 15)	50bar/725psi	0930012/N	12/96
3/4" (DN 20)	40bar/580psi	0930034/N	8/64
1" (DN 25)	40bar/580psi	0930100/N	8/64
1"1/4 (DN 32)	30bar/435psi	0930114/N	4/32

IDEAL®

098
098S
098SDC

098

INFO

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

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).

098

IDEAL® BALL VALVE, FULL FLOW FOR MANIFOLDS

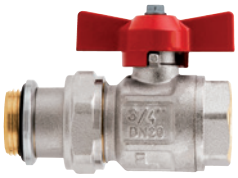


SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	0980012	8/88
3/4" (DN 20)	40bar/580psi	0980034	6/60
1" (DN 25)	40bar/580psi	0980100	6/48
1"1/4 (DN 32)	30bar/435psi	0980114	4/32
1"1/2 (DN 40)	30bar/435psi	0980112	2/16
2" (DN 50)	25bar/362,5psi	0980200	2/14

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





SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	0980012S	8/88
3/4" (DN 20)	40bar/580psi	0980034S/SB	6/48
3/4"X1"	40bar/580psi	0980034100S/SB	6/48
1" (DN 25)	40bar/580psi	0980100S/SB	6/48
1"1/4 (DN 32)	30bar/435psi	0980114S	4/32

3/4” and 1” available also with blue handle.
Mention “SB” in the code only to order the blue handle.
Code 0980034100S: 3/4”Fx1”M

098SDC

IDEAL® BALL VALVE WITHOUT UNION, FULL FLOW FOR MANIFOLDS





SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	40bar/580psi	0980034SDC/B	8/88
1" (DN 25)	40bar/580psi	0980100SDC/B	8/64
1"1/4 (DN 32)	30bar/435psi	0980114SDC/B	4/40

Male thread with conical seat.
Available sizes: 3/4”F x 1”M -1”F x 1”1/4M -1”1/4F x 1”1/2M.
Mention “B” in the code to order the blue T handle.

IDEAL®

298
298S
298SDC
492BC

298
298S
298SDC

298
298S

298

492BC

INFO

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

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).

298

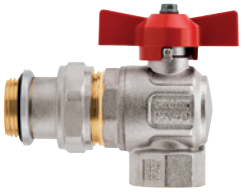
IDEAL® ANGLE BALL VALVE, FULL FLOW FOR MANIFOLDS

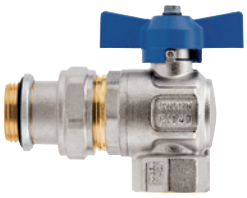


SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	2980012	6/96
3/4" (DN 20)	40bar/580psi	2980034	6/48
1" (DN 25)	40bar/580psi	2980100	4/32

298S

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





SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	2980012S	6/66
3/4" (DN 20)	40bar/580psi	2980034S/SB	6/48
1" (DN 25)	40bar/580psi	2980100S/SB	4/32

3/4" and 1" available also with blue handle.
Mention "SB" in the code only to order the blue handle.

298SDC

IDEAL® ANGLE BALL VALVE WITHOUT UNION, FULL FLOW FOR MANIFOLDS





SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	40bar/580psi	2980034SDC/B	6/60
1" (DN 25)	40bar/580psi	2980100SDC/B	4/52

Male thread with conical seat.
Available sizes: 3/4"F x 1"M - 1"F x 1"1/4M
Mention "B" in the code to order the blue T handle.

INFO

Suitable for ball valves art. 098SDC and 298SDC.
Body in nickel-plated brass. O-ring in NBR.
Thermometer range: 0°C, 80°C.
Thermometer diameter: mm.40.
Maximum working temperature: 80°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

492BC

THERMOMETER UNION COMPLETE WITH THERMOMETER



SIZE	PRESSURE	CODE	PACKING
1" (DN 25)	10bar/145psi	4920100BC	4/84
1"1/4 (DN 32)	10bar/145psi	4920114BC	4/64

Available sizes: 1"M x 1"1/4F, 1"1/4M x 1"1/2F

VIENNA®

116
117
118

INFO

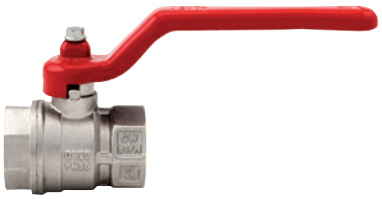
Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

Female/female or male/female threads.
Lever handle in steel or T handle in aluminium or 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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

2

116

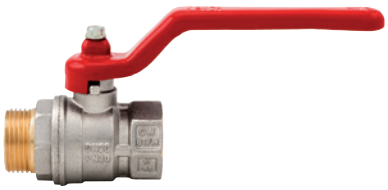
VIENNA®
BALL VALVE
STANDARD
FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0900014	12/192
3/8" (DN 10)	50bar/725psi	0900038	12/192
1/2" (DN 15)	30bar/435psi	1160012	15/120
3/4" (DN 20)	30bar/435psi	1160034	8/104
1" (DN 25)	30bar/435psi	1160100	8/64
1"1/4 (DN 32)	25bar/362.5psi	1160114	4/32
1"1/2 (DN 40)	25bar/362.5psi	1160112	4/32
2" (DN 50)	25bar/362.5psi	1160200	2/16

117

VIENNA®
BALL VALVE
STANDARD
FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0910014	12/192
3/8" (DN 10)	50bar/725psi	0910038	12/192
1/2" (DN 15)	30bar/435psi	1170012	15/120
3/4" (DN 20)	30bar/435psi	1170034	8/64
1" (DN 25)	30bar/435psi	1170100	8/64
1"1/4 (DN 32)	25bar/362.5psi	1170114	4/32
1"1/2 (DN 40)	25bar/362.5psi	1170112	4/24
2" (DN 50)	25bar/362.5psi	1170200	2/12

118

VIENNA®
BALL VALVE
STANDARD
FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0920014	15/240
3/8" (DN 10)	50bar/725psi	0920038	15/240
1/2" (DN 15)	30bar/435psi	1180012	15/195
3/4" (DN 20)	30bar/435psi	1180034	8/88
1" (DN 25)	30bar/435psi	1180100	8/80

VIENNA®

119
216
217

119

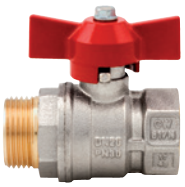
INFO

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

Female/female or male/female threads.
Lever handle in steel or T handle in aluminium or 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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

119

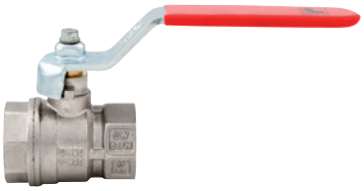
VIENNA®
BALL VALVE
STANDARD
FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0930014	15/165
3/8" (DN 10)	50bar/725psi	0930038	15/165
1/2" (DN 15)	30bar/435psi	1190012	15/120
3/4" (DN 20)	30bar/435psi	1190034	8/88
1" (DN 25)	30bar/435psi	1190100	8/64

216

VIENNA®
BALL VALVE
STANDARD
FLOW



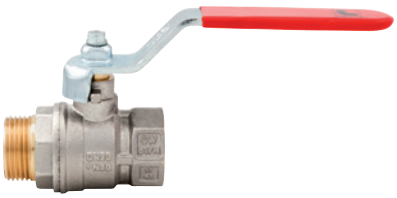


Locking device p.27

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	2160014	12/192
3/8" (DN 10)	50bar/725psi	2160038	12/192
1/2" (DN 15)	30bar/435psi	2160012	15/120
3/4" (DN 20)	30bar/435psi	2160034	8/64
1" (DN 25)	30bar/435psi	2160100	8/64
1"1/4 (DN 32)	25bar/362.5psi	2160114	4/32
1"1/2 (DN 40)	25bar/362.5psi	2160112	4/24
2" (DN 50)	25bar/362.5psi	2160200	2/18

217

VIENNA®
BALL VALVE
STANDARD
FLOW





Locking device p.27

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	2170014	12/156
3/8" (DN 10)	50bar/725psi	2170038	12/156
1/2" (DN 15)	30bar/435psi	2170012	15/120
3/4" (DN 20)	30bar/435psi	2170034	8/64
1" (DN 25)	30bar/435psi	2170100	8/64
1"1/4 (DN 32)	25bar/362.5psi	2170114	4/32
1"1/2 (DN 40)	25bar/362.5psi	2170112	4/28
2" (DN 50)	25bar/362.5psi	2170200	2/12

ORIENT®

111 112 113 114 211

111 112 113 114

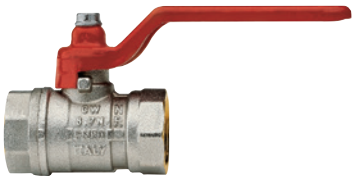
INFO

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

Female/female or male/female threads.
Lever handle in steel (aluminium in the sizes 2”1/2, 3” and 4”) or 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).

111

ORIENT® BALL VALVE REDUCED FLOW



Available with NPT thread in the sizes 2”1/2, 3” e 4”.
Price as in the chart.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0900014	12/192
3/8" (DN 10)	50bar/725psi	0900038	12/192
1/2" (DN 15)	50bar/725psi	1110012	12/132
3/4" (DN 20)	40bar/580psi	1110034	10/100
1" (DN 25)	40bar/580psi	1110100	8/64
1"1/4 (DN 32)	30bar/435psi	1110114	4/52
1"1/2 (DN 40)	30bar/435psi	1110112	4/32
2" (DN 50)	25bar/362.5psi	1110200	2/24
2"1/2 (DN 65)	18bar/261psi	1110212	1/9
3" (DN 80)	14bar/203psi	1110300	1/5
4" (DN 100)	12bar/174psi	1110400	1/4

112

ORIENT® BALL VALVE REDUCED FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0910014	12/192
3/8" (DN 10)	50bar/725psi	0910038	12/192
1/2" (DN 15)	50bar/725psi	1120012	10/160
3/4" (DN 20)	40bar/580psi	1120034	8/104
1" (DN 25)	40bar/580psi	1120100	4/64

113

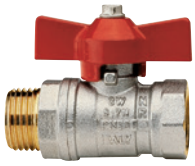
ORIENT® BALL VALVE REDUCED FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0920014	15/240
3/8" (DN 10)	50bar/725psi	0920038	15/240
1/2" (DN 15)	50bar/725psi	1130012	12/192
3/4" (DN 20)	40bar/580psi	1130034	8/128
1" (DN 25)	40bar/580psi	1130100	6/96

114

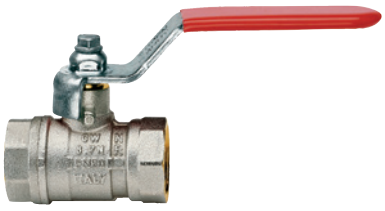
ORIENT® BALL VALVE REDUCED FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0930014	15/165
3/8" (DN 10)	50bar/725psi	0930038	15/165
1/2" (DN 15)	50bar/725psi	1140012	12/132
3/4" (DN 20)	40bar/580psi	1140034	8/88
1" (DN 25)	40bar/580psi	1140100	5/80

211

ORIENT® BALL VALVE REDUCED FLOW





Locking device p.27

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	2110012	12/156
3/4" (DN 20)	40bar/580psi	2110034	10/100
1" (DN 25)	40bar/580psi	2110100	8/64
1"1/4 (DN 32)	30bar/435psi	2110114	4/52
1"1/2 (DN 40)	30bar/435psi	2110112	4/32
2" (DN 50)	25bar/362.5psi	2110200	2/24

STREAM®

INFO

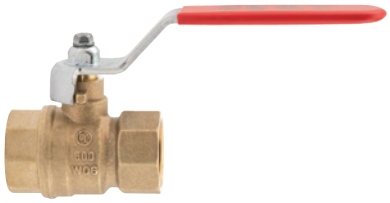
Suitable for domestic water services, heating and air-conditioning plants, compressed air systems and LPG gas installations.

Female/female threads.
Flat lever handle in lined steel.
Body in brass.
Minimum and maximum working temperatures: -10°C, 120°C in absence of steam.

Threads NPT (ANSI B 1.20.1).

145

STREAM®
BALL VALVE
FULL FLOW



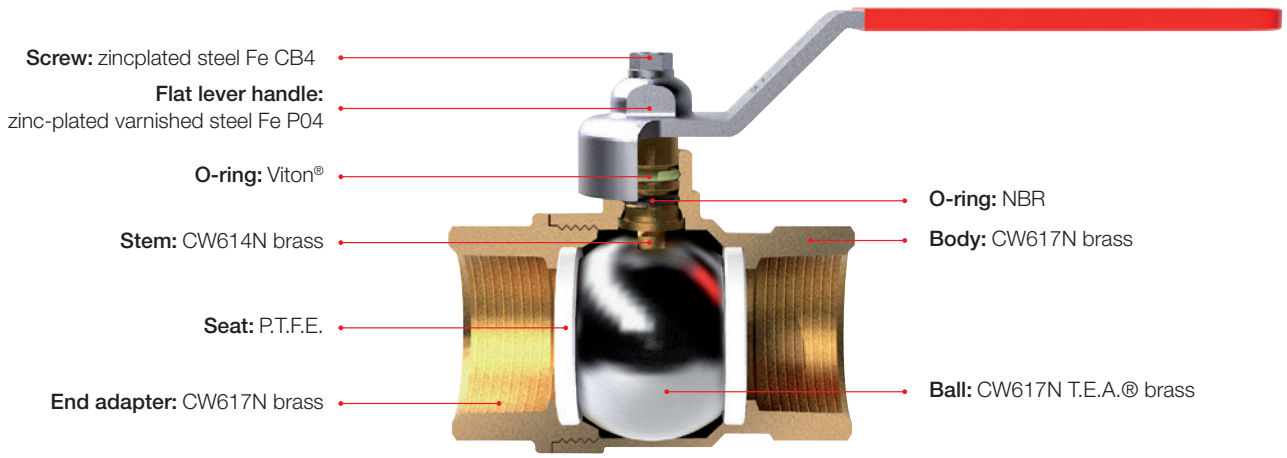


Locking device p.27

SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	600WOG/150WSP	145A038	12/192
1/2" (DN 15)	600WOG/150WSP	145A012	15/120
3/4" (DN 20)	600WOG/150WSP	145A034	8/64
1" (DN 25)	600WOG/150WSP	145A100	6/48
1"1/4 (DN 32)	600WOG/150WSP	145A114	4/32
1"1/2 (DN 40)	600WOG/150WSP	145A112	4/24
2" (DN 50)	600WOG/150WSP	145A200	2/12

STREAM®

MATERIALS



UL® LISTED
SHUTOFF VALVE
FOR LP-GAS
20 psi MAX
4NZ2

086

LEVER HANDLE FOR BALL VALVES AND BIBCOCKS



SIZE	CODE	PACKING
1	0860001/N/B	20/1000
2	0860002/N/B	20/800
3	0860003/N/B	20/500
4	0860004/N/B	10/300
5	0860005/N/B	10/200
6	0860006/N	1/90
7	0860007/N	1/45

Mention “N” in the code to order the black handle.
Mention “B” in the code to order the blue handle.

Size of the handle corresponding to each valve.

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	-	-	-
070/071G	-	-	2	3	3	4	5	5	7	7	7
080/081	-	-	2	3	3	4	5	5	7	7	7
131/132	-	1	1	2	2	-	-	-	-	-	-
166/168	-	-	1	1	-	-	-	-	-	-	-
170/174	-	-	1	1	-	-	-	-	-	-	-
178/179	-	-	1	1	-	-	-	-	-	-	-
066/067G	1	1	2	3	3	4	5	5	7	7	7
076/077	1	1	2	3	3	4	5	5	7	7	7
115	-	-	1	3	3	4	4	5	-	-	-
098	-	-	-	-	-	-	4	5	-	-	-

084

FLAT LEVER HANDLE FOR BALL VALVES

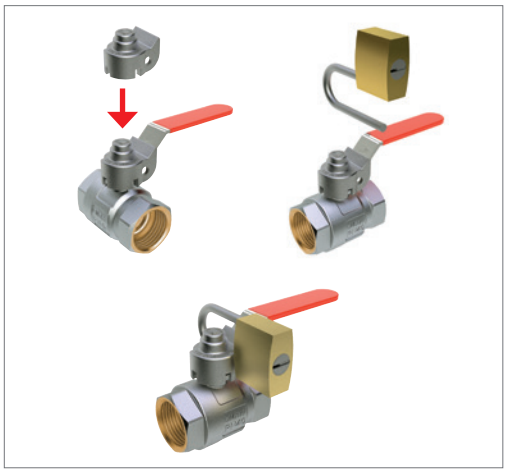


SIZE	CODE	PACKING
1	0840001/V	20/800
2	0840002/V	20/600
3	0840003/V	20/400
4	0840004/V	10/250
5	0840005/V	10/170

Mention “V” in the code to order the green handle.

Size of the handle corresponding to each valve.

Art.	1/4”	3/8”	1/2”	3/4”	1”	1”1/4	1”1/2	2”
111/113	1	1	1	2	3	3	4	4
211	1	1	1	2	3	3	4	4
090/091	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
070/071G	-	-	2	3	3	4	5	5
080/081	-	-	2	3	3	4	5	5
133	-	1	1	2	2	-	-	-
166/168	-	-	1	1	-	-	-	-
170/174	-	-	1	1	-	-	-	-
178/179	-	-	1	1	-	-	-	-
066/067G	1	1	2	3	3	4	5	5
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
145	1	1	1	3	3	4	4	5



LOCKING DEVICE FOR LOCKABLE FLAT LEVER HANDLE

INFO

This device has to be used on valves and biblocks with flat lever handle.
Size of the handle corresponding to each valve as in art. 084 grey background chart.

Zincplated K3 zamak.
The device is supplied without padlock.
Suitable padlock with long shackle: 6mm / 1/4.

084LK

LOCKING DEVICE FOR LOCKABLE FLAT LEVER HANDLE



SIZE	CODE	PACKING
1	084LK01	10/500
2	084LK02	10/500
3	084LK03	10/500

084PP

PIN FOR LOCKING DEVICE



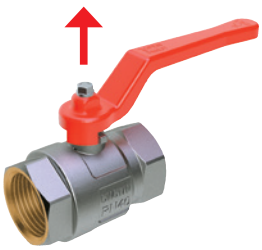
CODE	PACKING
084PP03	-

INSTALLATION OF THE LOCKING DEVICE FOR LOCKABLE FLAT LEVER HANDLE

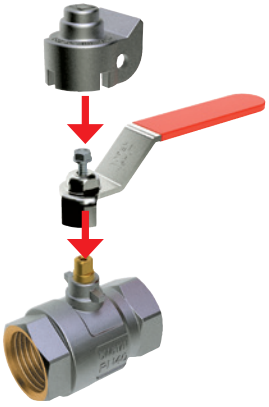
INFO

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.

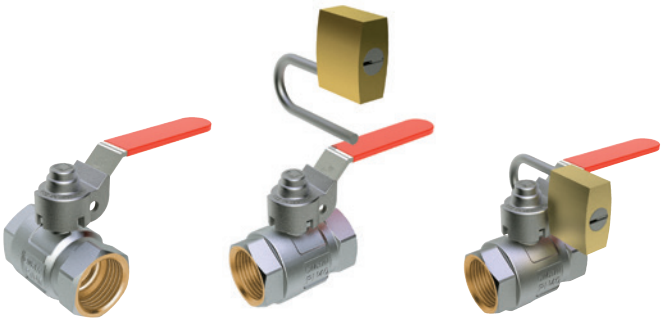
1. Remove the handle from the valve, when you want to have a lockable valve.



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.



4. 084PP - Pin for locking device. Usable on water or gas valves.



087

T HANDLE FOR BALL VALVES AND BIBCOCKS



Mention “N” in the code to order the black handle.
Mention “V” in the code to order the green handle.
Mention “B” in the code to order the blue handle.

SIZE	CODE	PACKING
1	0870001/N/V/B	20/2000
2	0870002/N/V/B	20/1500
3	0870003/N/V/B	20/1200
4	0870004/N/B	10/800

Size of the handle corresponding to each valve.

Art.	1/4”	3/8”	1/2”	3/4”	1”	1”1/4
113/114	1	1	1	2	2	-
092/093	1	1	1	3	3	4
118/119	1	1	1	2	3	-
072/073G	-	-	2	3	3	-
082/083	-	-	2	3	3	-
134	-	1	1	2	3	-
172/176	-	-	1	1	-	-
180	-	-	1	1	-	-
068/069G	1	1	2	3	3	-
078/079	1	1	2	3	3	-
378/379	1	1	2	3	3	-
098	-	-	1	3	3	4
298	-	-	1	3	3	-

088

EXTENDED HANDLE FOR LINED PIPING



SIZE	CODE	PACKING
1	0880001	10/250
2	0880002	10/180
3	0880003	10/120
4	0880004	10/90
5	0880005	10/60
6	0880006	1/50
7	0880007	1/25

Size of the handle corresponding to each valve.

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	-	-	-
070/071	-	-	2	3	3	4	5	5	-	-	-
066/067	1	1	2	3	3	4	5	5	-	-	-
076/077	1	1	2	3	3	4	5	5	-	-	-
120	-	-	-	-	-	-	-	-	7	7	7
115	-	-	1	3	3	4	4	5	-	-	-
098	-	-	1	3	3	4	-	-	-	-	-

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

INFO

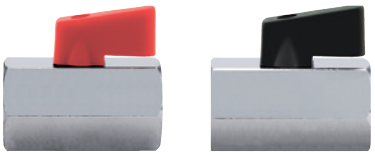
Threads: female/female or male/female.
Lever handle in nylon.
Minimum and maximum working temperatures: 0°C, 90°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Mention “N” in the code only to order the black handle.

125
126
125N
126N

125
126

125

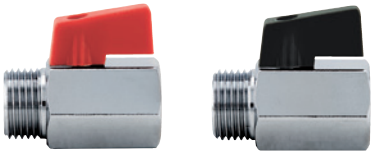
MINI BALL VALVES



SIZE	PRESSURE	CODE	PACKING
1/8" (DN 6)	10bar/145psi	1250018/N	20/220
1/4" (DN 8)	10bar/145psi	1250014/N	20/220
3/8" (DN 10)	10bar/145psi	1250038/N	20/220
1/2" (DN 15)	10bar/145psi	1250012/N	20/220
3/4" (DN 20)	10bar/145psi	1250034/N	15/150

126

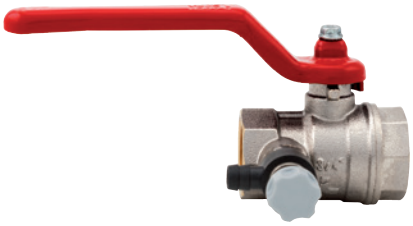
MINI BALL VALVES



SIZE	PRESSURE	CODE	PACKING
1/8" (DN 6)	10bar/145psi	1260018/N	20/320
1/4" (DN 8)	10bar/145psi	1260014/N	20/320
3/8" (DN 10)	10bar/145psi	1260038/N	20/320
1/2" (DN 15)	10bar/145psi	1260012/N	20/220
3/4" (DN 20)	10bar/145psi	1260034/N	15/150

115

STANDARD FLOW BALL VALVE WITH REVOLVING DRAIN COCK



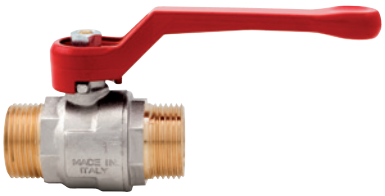
SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	25bar/362.5psi	1150012	14/112
3/4" (DN 20)	25bar/362.5psi	1150034	8/64
1" (DN 25)	25bar/362.5psi	1150100	8/48
1"1/4 (DN 32)	20bar/290psi	1150114	4/32
1"1/2 (DN 40)	20bar/290psi	1150112	4/24
2" (DN 50)	20bar/290psi	1150200	2/18

Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
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: ISO228(equivalent to DIN EN ISO 228 and BS EN ISO 228).

099

FULL FLOW BALL VALVE, MALE/MALE THREADS



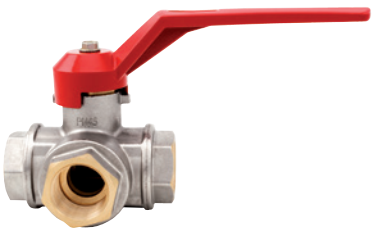


SIZE	PRESSURE	CODE	PACKING	PACKING F
1/2" (DN 15)	40bar/580psi	0990012/F	25/125	25/150
3/4" (DN 20)	40bar/580psi	0990034/F	15/90	20/100
1" (DN 25)	40bar/580psi	0990100/F	10/60	10/60
1"1/4 (DN 32)	30bar/435psi	0990114	5/30	
1"1/2 (DN 40)	30bar/435psi	0990112	3/27	
2" (DN 50)	30bar/435psi	0990200	2/18	

Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Available with T handle in aluminium in the sizes 1/2" through 1".
Mention "F" in the code to order the T handle.

128

3-WAY BALL VALVE



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	55bar/797.5psi	1280014L/T	4/32
3/8" (DN 10)	55bar/797.5psi	1280038L/T	4/32
1/2" (DN 15)	50bar/725psi	1280012L/T	4/32
3/4" (DN 20)	50bar/725psi	1280034L/T	2/16
1" (DN 25)	45bar/652.5psi	1280100L/T	2/16
1"1/4 (DN 32)	35bar/507.5psi	1280114L/T	2/12
1"1/2 (DN 40)	35bar/507.5psi	1280112L/T	2/8
2" (DN 50)	35bar/507.5psi	1280200L/T	2/4

Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.
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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Available with T or L ball. (Please, specify in the order).

CERT

115
099
128

115

BRASS GATE VALVE- PN16

INFO

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

Female/female threads.
Handle in steel.
Body in brass.
Minimum and maximum working temperatures: 0°C, 150°C in absence of steam.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



2

156

BRASS GATE VALVE PN16



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	1560012	12/96
3/4" (DN 20)	16bar/232psi	1560034	10/80
1" (DN 25)	16bar/232psi	1560100	5/45
1"1/4 (DN 32)	16bar/232psi	1560114	4/32
1"1/2 (DN 40)	16bar/232psi	1560112	2/18
2" (DN 50)	16bar/232psi	1560200	2/18
2"1/2 (DN 65)	16bar/232psi	1560212	1/8
3" (DN 80)	16bar/232psi	1560300	1/8
4" (DN 100)	16bar/232psi	1560400	1/4

Available also with NPT thread in the sizes 2”1/2, 3” and 4”.
Price as in the chart.

VOLA

HANDWHEEL FOR GATE VALVE ART. 156



SIZE	CODE	PACKING	GATE VALVE
050	VOLA050	1/300	1/2" (DN 15)
060	VOLA060	1/300	3/4" (DN 20)
060	VOLA060	1/300	1" (DN 25)
070	VOLA070	1/300	1"1/4 (DN 32)
070	VOLA070	1/300	1"1/2 (DN 40)
080	VOLA080	1/300	2" (DN 50)
100	VOLA100	1/200	2"1/2 (DN 65)
100	VOLA100	1/200	3" (DN 80)
120	VOLA120	1/120	4" (DN 100)

CERT

156

SPIN®

INFO

Body in nickel-plated brass.
Hose connection in nylon.
Lever handle in aluminium.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

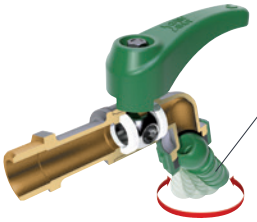
PATENTED - HEAVY MODEL. HIGH RESISTANCE AGAINST FREEZE.

131

SPIN® HOSE BIBCOCK WITH MOBILE CONNECTION



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1310012	10/90



360° turn. It avoids the garden hose flattening.

Ergonomic handle.

High resistance against freeze.



HEAVY MODELS

132

BALL HOSE BIBCOCK



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

SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	15bar/217.5psi	1320038	10/120
1/2" (DN 15)	15bar/217.5psi	1320012	10/120
3/4" (DN 20)	15bar/217.5psi	1320034	6/72
1" (DN 25)	12bar/174psi	1320100	6/42

133

BALL HOSE BIBCOCK



Locking device p.27

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1330012	10/120
3/4" (DN 20)	15bar/217.5psi	1330034	6/72
1" (DN 25)	12bar/174psi	1330100	6/42

134

BALL HOSE BIBCOCK



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

SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	15bar/217.5psi	1340038	10/130
1/2" (DN 15)	15bar/217.5psi	1340012	10/130
3/4" (DN 20)	15bar/217.5psi	1340034	6/78
1" (DN 25)	12bar/174psi	1340100	6/42

CERT

131 132 133 134

132 133 134

INFO

Body in nickel-plated brass.
Hose connection in brass or in nylon.
Lever handle in steel or flat lever handle in lined steel or T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

166

GAR BALL
HOSE
BIBCOCK

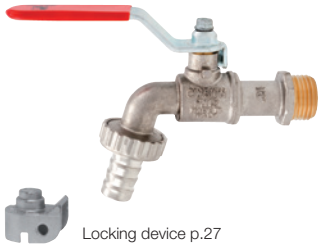


Available sizes: 1/2”x3/4”, 3/4”x1”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1660012	15/135
3/4" (DN 20)	15bar/217.5psi	1660034	10/90

167

GAR BALL
HOSE
BIBCOCK



Locking device p.27

Available sizes: 1/2”x3/4”, 3/4”x1”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1670012	15/105
3/4" (DN 20)	15bar/217.5psi	1670034	10/90

168

GAR BALL
HOSE
BIBCOCK



Available sizes: 1/2”x3/4”, 3/4”x1”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1680012	15/120
3/4" (DN 20)	15bar/217.5psi	1680034	10/90

174

GAR BALL
HOSE
BIBCOCK



Available sizes: 1/2”x3/4”, 3/4”x1”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1740012	15/135
3/4" (DN 20)	15bar/217.5psi	1740034	10/90

176

GAR BALL
HOSE
BIBCOCK



Available sizes: 1/2”x3/4”, 3/4”x1”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1760012	15/120
3/4" (DN 20)	15bar/217.5psi	1760034	10/90

CERT

166 167 168 174 176

166 167 168

INFO

Body in nickel-plated brass.
Lever handle in steel or T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

178

GAR BALL
HOSE
BIBCOCK



Available sizes: 1/2”x3/4”, 3/4”x3/4”
Available also with NPT thread in the size 1/2”
Price as in the chart.

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1780012	20/120
3/4" (DN 20)	15bar/217.5psi	1780034	12/144

180

GAR BALL
HOSE
BIBCOCK



Available sizes: 1/2”x3/4”
Available also with NPT thread in the size 1/2”
Price as in the chart.

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1800012	20/160

170

GAR BALL
BIBCOCK



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1700012	15/120
3/4" (DN 20)	15bar/217.5psi	1700034	10/130

172

GAR BALL
BIBCOCK



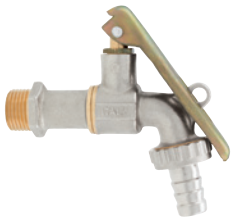
SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1720012	15/120
3/4" (DN 20)	15bar/217.5psi	1720034	10/130

CERT

178
180
170
172

144

BALL HOSE BIBCOCK WITH LOCKPAD EYE



Available sizes: 1/2”x3/4”, 3/4”x3/4”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1440012	8/64
3/4" (DN 20)	15bar/217.5psi	1440034	8/64

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

191

GARDEN HOSE BIBCOCK WITH BRASS CONNECTION



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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1910012	12/48
3/4" (DN 20)	15bar/217.5psi	1910034	10/40
1" (DN 25)	12bar/174psi	1910100	5/40

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

139

DRAIN BALL VALVE WITH BRASS HOSE CONNECTION

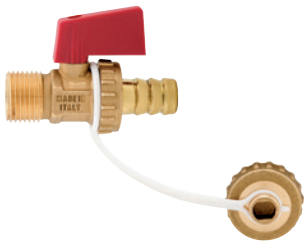


SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	12bar/174psi	1390038	20/200
1/2" (DN 15)	12bar/174psi	1390012	20/200
3/4" (DN 20)	12bar/174psi	1390034	15/120

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

139R

DRAIN BALL VALVE WITH BRASS HOSE CONNECTION AND NYLON HANDLE



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	1390038R	20/260
1/2" (DN 15)	10bar/145psi	1390012R	20/260
3/4" (DN 20)	10bar/145psi	1390034R	15/120

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

CERT

139 139R 144 191

139 144 191

280
BRASS HOSE CONNECTION



SIZE	CODE	PACKING
3/4" (DN 20)	2800034	100/1200
1" (DN 25)	2800100	50/600
1"1/4 (DN 32)	2800114	25/300

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

282
NYLON HOSE CONNECTION



SIZE	CODE	PACKING
3/4" (DN 20)	2820034	150/1800
1" (DN 25)	2820100	75/900

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

282O
MOBILE HOSE CONNECTION IN NYLON



SIZE	CODE	PACKING
3/4" (DN 20)	2820034O	50/600

Minimum and maximum working temperatures: -20°C, 80°C.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

350L
SUPPLY BIBCOCK



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3500012L	10/100

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

355L
HOSE BIBCOCK



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3550012L	10/70
3/4" (DN 20)	8bar/116psi	3550034L	5/50

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

355S
HOSE BIBCOCK



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3550012S	10/70
3/4" (DN 20)	8bar/116psi	3550034S	5/50

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

CERT

280 350L 355L 355S

350L 355L 355S

280

LONDON®

MATERIALS

Screw: zincplated steel Fe CB4



Lever handle:
zincplated and varnished steel Fe P04



Flat lever handle:
zincplated steel Fe P04



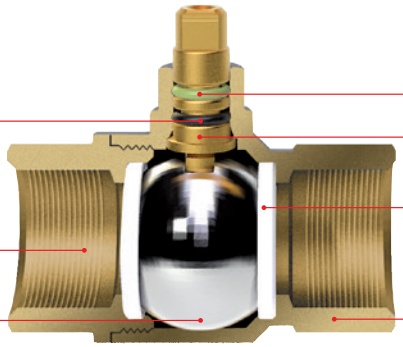
T handle: aluminium



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

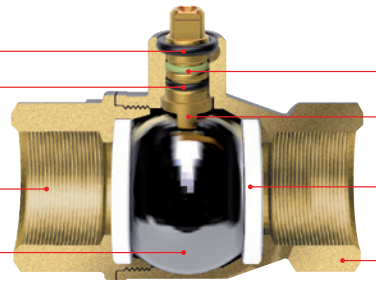
BERLIN®

MATERIALS

Screw: zincplated steel Fe CB4

Lever handle:
zincplated and varnished steel Fe P04

T handle: aluminium



O-ring: NBR

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"
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	-	-	-
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	-	-	-	-	-	-

LONDON®

INFO

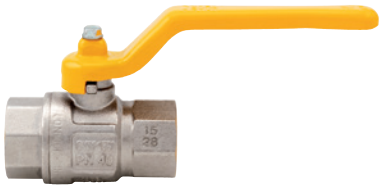
EN331 APPROVED (up to 2”).

Female/female or male/female threads.
Lever handle in steel (aluminium in the sizes 2”1/2, 3” and 4”) or 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 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”

066

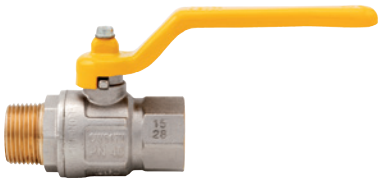
LONDON® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	066B014	12/192
3/8" (DN 10)	5bar/72.5psi	066B038	12/192
1/2" (DN 15)	5bar/72.5psi	066B012	10/100
3/4" (DN 20)	5bar/72.5psi	066B034	8/64
1" (DN 25)	5bar/72.5psi	066B100	6/48
1"1/4 (DN 32)	5bar/72.5psi	066B114	4/32
1"1/2 (DN 40)	5bar/72.5psi	066B112	2/16
2" (DN 50)	5bar/72.5psi	066B200	2/14
2"1/2 (DN 65)	18bar/261psi	1200212G	1/5
3" (DN 80)	16bar/232psi	1200300G	1/3
4" (DN 100)	14bar/203psi	1200400G	1/2

067

LONDON® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	067B014	12/192
3/8" (DN 10)	5bar/72.5psi	067B038	12/132
1/2" (DN 15)	5bar/72.5psi	067B012	10/100
3/4" (DN 20)	5bar/72.5psi	067B034	8/64
1" (DN 25)	5bar/72.5psi	067B100	6/48
1"1/4 (DN 32)	5bar/72.5psi	067B114	4/24
1"1/2 (DN 40)	5bar/72.5psi	067B112	2/16
2" (DN 50)	5bar/72.5psi	067B200	2/14
2"1/2 (DN 65)	18bar/261psi	1210212G	1/5
3" (DN 80)	16bar/232psi	1210300G	1/3
4" (DN 100)	14bar/203psi	1210400G	1/2

068

LONDON® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	068B014	15/165
3/8" (DN 10)	5bar/72.5psi	068B038	15/165
1/2" (DN 15)	5bar/72.5psi	068B012	10/110
3/4" (DN 20)	5bar/72.5psi	068B034	8/64
1" (DN 25)	5bar/72.5psi	068B100	6/48

CERT

066
067
068

LONDON®

INFO

EN331 APPROVED (up to 2”).

Female/female or male/female threads.
Lever handle in steel (aluminium in the sizes 2”1/2, 3” and 4”) or 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 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”

069

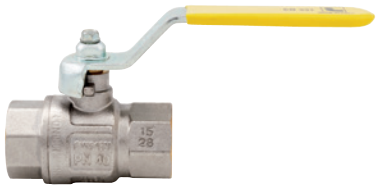
LONDON® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	069B014	15/165
3/8" (DN 10)	5bar/72.5psi	069B038	15/165
1/2" (DN 15)	5bar/72.5psi	069B012	10/130
3/4" (DN 20)	5bar/72.5psi	069B034	8/64
1" (DN 25)	5bar/72.5psi	069B100	6/48

266

LONDON® BALL VALVE, FULL FLOW



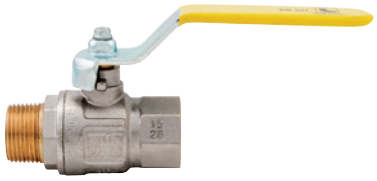


Locking device p.27

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	266B014	12/156
3/8" (DN 10)	5bar/72.5psi	266B038	12/156
1/2" (DN 15)	5bar/72.5psi	266B012	10/80
3/4" (DN 20)	5bar/72.5psi	266B034	8/64
1" (DN 25)	5bar/72.5psi	266B100	6/48
1"1/4 (DN 32)	5bar/72.5psi	266B114	4/24
1"1/2 (DN 40)	5bar/72.5psi	266B112	2/18
2" (DN 50)	5bar/72.5psi	266B200	2/14

267

LONDON® BALL VALVE, FULL FLOW





Locking device p.27

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	267B014	12/156
3/8" (DN 10)	5bar/72.5psi	267B038	12/156
1/2" (DN 15)	5bar/72.5psi	267B012	10/80
3/4" (DN 20)	5bar/72.5psi	267B034	8/64
1" (DN 25)	5bar/72.5psi	267B100	6/48
1"1/4 (DN 32)	5bar/72.5psi	267B114	4/24
1"1/2 (DN 40)	5bar/72.5psi	267B112	2/18
2" (DN 50)	5bar/72.5psi	267B200	2/14

CERT

069
266
267

BERLIN®

INFO

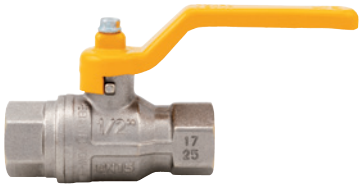
EN331 APPROVED (up to 2”).

Female/female or male/female threads.
Body in nickel-plated brass.
Lever handle in steel (aluminium in the sizes 2”1/2, 3” and 4”) or 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 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”

070

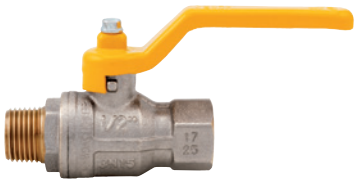
BERLIN®
BALL VALVE,
FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	070B012	12/96
3/4" (DN 20)	5bar/72.5psi	070B034	8/40
1" (DN 25)	5bar/72.5psi	070B100	6/30
1"1/4 (DN 32)	5bar/72.5psi	070B114	4/24
1"1/2 (DN 40)	5bar/72.5psi	070B112	2/18
2" (DN 50)	5bar/72.5psi	070B200	2/14
2"1/2 (DN 65)	18bar/261psi	1200212G	1/5
3" (DN 80)	16bar/232psi	1200300G	1/3
4" (DN 100)	14bar/203psi	1200400G	1/2

071

BERLIN®
BALL VALVE,
FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	071B012	12/96
3/4" (DN 20)	5bar/72.5psi	071B034	8/40
1" (DN 25)	5bar/72.5psi	071B100	6/30
1"1/4 (DN 32)	5bar/72.5psi	071B114	4/24
1"1/2 (DN 40)	5bar/72.5psi	071B112	2/18
2" (DN 50)	5bar/72.5psi	071B200	2/14
2"1/2 (DN 65)	18bar/261psi	1210212G	1/5
3" (DN 80)	16bar/232psi	1210300G	1/3
4" (DN 100)	14bar/203psi	1210400G	1/2

072

BERLIN®
BALL VALVE,
FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	072B012	12/96
3/4" (DN 20)	5bar/72.5psi	072B034	8/64
1" (DN 25)	5bar/72.5psi	072B100	8/40

073

BERLIN®
BALL VALVE,
FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	073B012	12/96
3/4" (DN 20)	5bar/72.5psi	073B034	8/64
1" (DN 25)	5bar/72.5psi	073B100	8/48

CERT

070
071
072
073

060

ANGLE BALL VALVE FOR GAS



Available size: 1/2”x1/2”.

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	060B012	12/120

EN331 APPROVED.
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).

062

ANGLE BALL VALVE FOR GAS WITH REVOLVING NUT



Available size: 1/2”x1/2”.

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	062B012	12/120

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).

CERT

060
062

060

086G

LEVER HANDLE FOR BALL VALVES



SIZE	CODE	PACKING
1	0860001G	20/1000
2	0860002G	20/800
3	0860003G	20/500
4	0860004G	10/300
5	0860005G	10/200
6	0860006G	1/90
7	0860007G	1/45

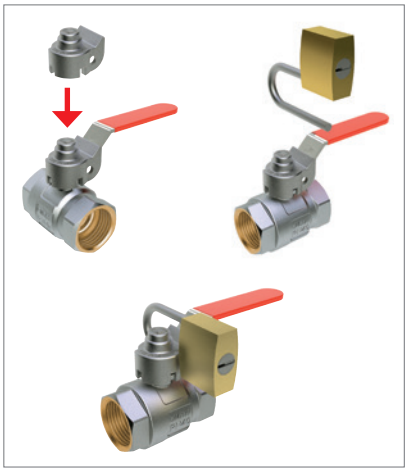
Size of the handle corresponding to each valve.

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	-	-	-
070/071G	-	-	2	3	3	4	5	5	7	7	7
080/081	-	-	2	3	3	4	5	5	-	-	-
066/067G	1	1	2	3	3	4	5	5	7	7	7
076/077	1	1	2	3	3	4	5	5	-	-	-

084G

FLAT LEVER HANDLE FOR BALL VALVES





SIZE	CODE	PACKING
1	0840001G	20/800
2	0840002G	20/600
3	0840003G	20/400
4	0840004G	10/250
5	0840005G	10/170



Lockiing device p.27

Size of the handle corresponding to each valve.

Art.	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
111/112	1	1	1	2	3	3	4	4
090/091	1	1	1	3	3	4	4	5
116/117	1	1	1	3	3	4	4	5
070/071G	-	-	2	3	3	4	5	5
080/081	-	-	2	3	3	4	5	5
066/067G	1	1	2	3	3	4	5	5
266/267G	1	1	2	3	3	4	5	5
076/077	1	1	2	3	3	4	5	5

087G

T HANDLE FOR BALL VALVES



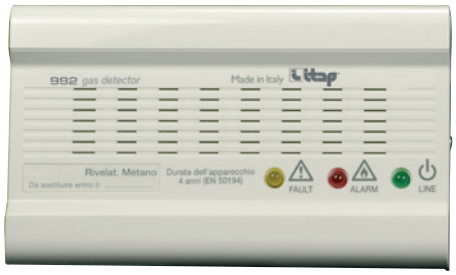
SIZE	CODE	PACKING
1	0870001G	20/2000
2	0870002G	20/1500
3	0870003G	20/1200

Size of the handle corresponding to each valve.

Art.	1/4"	3/8"	1/2"	3/4"	1"
113/114	1	1	1	2	2
092/093	1	1	1	3	3
118/119	1	1	1	2	3
072/073G	-	-	2	3	3
082/083	-	-	2	3	3
068/069G	1	1	2	3	3
078/079	1	1	2	3	3

992

GAS LEAK DETECTOR WITH OPTICAL-ACOUSTIC ALARM AND RELAY CONTROL



CODE	PACKING
992M	1/0
992G	1/0

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 realy output.
Power supply: 230Vac.
Max electrical input: 20mA 230Vac.
Max relay contact load: 20,5 (1,2) A.
Class of protection: IP 42.

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.
CEI UNI EN 50194.

993

SOLENOID SAFETY VALVE, NORMALLY OPEN



M: 550mbar

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	550mbar/8psi	9930012M	1/0
3/4" (DN 20)	550mbar/8psi	9930034M	1/0
1" (DN 25)	550mbar/8psi	9930100M	1/0
1"1/4 (DN 32)	550mbar/8psi	9930114M	1/0
1"1/2 (DN 40)	550mbar/8psi	9930112M	1/0
2" (DN 50)	550mbar/8psi	9930200M	1/0

G: 6bar



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	6bar/87psi	9930012G	1/0
3/4" (DN 20)	6bar/87psi	9930034G	1/0
1" (DN 25)	6bar/87psi	9930100G	1/0
1"1/4 (DN 32)	6bar/87psi	9930114G	1/0
1"1/2 (DN 40)	6bar/87psi	9930112G	1/0
2" (DN 50)	6bar/87psi	9930200G	1/0

Available for maximum pressure of 550 mbar (8psi) and 6 bar (87 psi).
Body in brass.
Class of protection: IP 65.
Female threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Power supply: 230 Vac.
Power input: 17 VA and 19 W.
Working temperature: -15°C, 70°C.
Closing time: <1sec.
Maximum working pressure: 550mbar or 6bar.
Manual reset in compliance with CEI UNI EN 50194 regulation.
Approved under directive PED 97/23/CE.

998

GAS SAFETY KIT



METHANE GAS

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	550mbar/8psi	9980012M	1/0
3/4" (DN 20)	550mbar/8psi	9980034M	1/0

LPG

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	6bar/87psi	9980012G	1/0
3/4" (DN 20)	6bar/87psi	9980034G	1/0

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

CHROME-PLATED BIBCOCKS



340 - 345 **46**



Build-in valves

346 - 348
348SD - 385
386 - 387
906 - 906SD **47-48**



Supply-stops

285 **48**



Stainless steel rosette

46 **136 - 138**



Build-in valves

48 **375**



Toilet tank valve

49-51 **220 - 225 - 226**
228 - 230 - 240
250 - 255 - 390
391 - 392 - 488
706



Washing machine ball valves

340

BUILD-IN VALVE WITH BLIND CAP

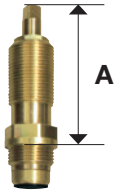


SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	20bar/290psi	3400012	6/72
3/4" (DN 20)	15bar/217.5psi	3400034	6/72

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

PROL340

SPACER



CODE	PACKING
PROL340	1/0

Thread:19x19Fx1".
Length A: 59 mm.
Suitable for art. 340



3

345

BUILD-IN VALVE WITH HANDLE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	20bar/290psi	3450012	4/76
3/4" (DN 20)	15bar/217.5psi	3450034	4/48

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

136

BUILD-IN VALVE WITH BLIND CAP



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	30bar/435psi	1360012	8/56
3/4" (DN 20)	25bar/362.5psi	1360034	5/35

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

138

BUILD-IN VALVE WITH HANDLE

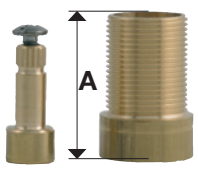


SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	30bar/435psi	1380012	8/56
3/4" (DN 20)	25bar/362.5psi	1380034	5/35
1" (DN 25)	25bar/362.5psi	1380100	4/24

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

PROL136

SPACER



CODE	PACKING
PROL136	1/0

Thread:22x19Fx1".
Length A: 37,5 mm.
Suitable for art. 136 and art. 138 - 1/2" and 3/4".

CERT

340
345
136
138

346

SUPPLY STOP



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3460012	10/160

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

348

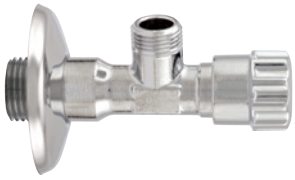
SUPPLY STOP WITH NUT AND WASHER



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3480012	10/160

348SD

SUPPLY STOP WITHOUT NUT



Art. 348SD without nut 1/2”x3/8”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3480012SD	10/240

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

385

BALL SUPPLY STOP WITH STRAINER



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3850012	10/130

Available size 1/2”x mm.10.
Male thread.
Body in chrome-plated brass.
Cover plate in stainless steel.
Built-in strainer in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

386

BALL SUPPLY STOP WITH ARTICULATED CONNECTION



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3860012	10/130

Available size 1/2”x mm.10.
Male thread.
Body in chrome-plated brass.
Cover plate in stainless steel.
Built-in strainer in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

CERT

346
348
385
386

387

SUPPLY STOP AND WASHING MACHINE VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3870012	1/75

Male thread.
Body in chrome-plated brass.
Cover plate in stainless steel.
Minimum and maximum working temperature: 0°C, 80°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

906

BALL SUPPLY STOP WITH STRAINER



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	9060012	10/180

906SD

BALL SUPPLY STOP WITH STRAINER WITHOUT NUT



Art. 906SD without nut 1/2"x3/8"

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	9060012SD	10/180

Available size 1/2"x mm.10.
Male thread.
Body in chrome-plated brass.
Cover plate in stainless steel.
Built-in strainer in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

375

TOILET TANK VALVE



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	16bar/232psi	3750038	12/120

Male/female threads.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Female threads ISO228
(equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male thread W12x19.

285

STAINLESS STEEL ROSETTE



SIZE	CODE	PACKING
3/8" (DN 10)	2850038	100/2500
1/2" (DN 15)	2850012	100/4000

CERT

387
906
375
285

387
906
375

220

BIBCOCK WITH WASHING MACHINE VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	2200012U	12/84

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

225

HORIZONTAL WASHING MACHINE VALVE, HEAVY PATTERN



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2250012	12/156

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

226

HORIZONTAL WASHING MACHINE VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2260012	12/120

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

228

INCLINED WASHING MACHINE VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2280012	12/120

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

CERT

220
225
226
228

230

ONE-PIECE SPACER FOR FAUCETS



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	16bar/232psi	2300034C	6/78

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

240

WASHING MACHINE AND DISHWASHER VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2400012U	6/78

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

250

WASHING MACHINE VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2500012	12/156

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

255

3-WAY WASHING MACHINE VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2550012	10/100

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

CERT

230
240
250
255

230
250
255

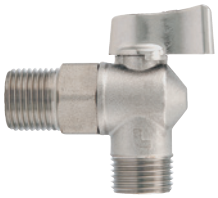
390
DRAIN TRAP FOR WASHING MACHINES



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	16bar/232psi	3900034	6/72

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

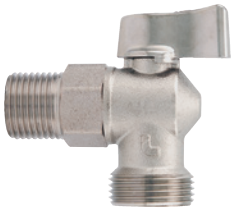
391
WASHING MACHINE BALL VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	3910012	12/192

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

392
WASHING MACHINE BALL VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	3920012	10/160

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Available also with NPT thread.

488
ANGLE VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	4880012	10/240

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

706
WASHING MACHINE BALL VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	7060012	10/180

Available size: 1/2”x3/4”. Male/male threads.
Body in chrome-plated brass.
Cover plate in stainless steel.
Minimum and maximum working temperatures: 0°C, 80°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

CERT

390
391
392
488
706

PRESSURE REDUCING VALVES

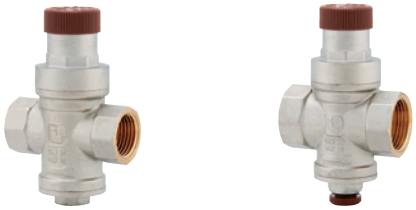


143 - 143MM 54



EUROPRESS pressure reducing valve

360 - 361 56



MINIPRESS pressure reducing valve

189 59



Self-cleaning strainer

55 **243**



EUROPRESS pressure reducing valve
in dezincification resistant brass

57 - 59 **192 - 193**



Y strainers

57 - 58 - 59 **192CA - 189CA**



Cartridges for strainers



EUROPRESS

143

EUROPRESS PRESSURE REDUCING VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	25bar/362.5psi	1430012	1/34
3/4" (DN 20)	25bar/362.5psi	1430034	1/34
1" (DN 25)	25bar/362.5psi	1430100	1/18
1"1/4 (DN 32)	25bar/362.5psi	1430114	1/9
1"1/2 (DN 40)	25bar/362.5psi	1430112	1/9
2" (DN 50)	25bar/362.5psi	1430200	1/8
2"1/2 (DN 65)	25bar/362.5psi	1430212	1/6
3" (DN 80)	25bar/362.5psi	1430300	1/4
4" (DN 100)	25bar/362.5psi	1430400	1/3

Compensated piston operation.
Female/female threads.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Maximum inlet pressure: 25bar.
Outlet pressure can be adjusted:
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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Available also with NPT thread in the sizes 2"1/2 - 3" - 4".



143MM

EUROPRESS PRESSURE REDUCING VALVE, WITH UNION CONNECTION



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	25bar/362.5psi	1430012MM	1/34
3/4" (DN 20)	25bar/362.5psi	1430034MM	1/24
1" (DN 25)	25bar/362.5psi	1430100MM	1/18
1"1/4 (DN 32)	25bar/362.5psi	1430114MM	1/9
1"1/2 (DN 40)	25bar/362.5psi	1430112MM	1/9
2" (DN 50)	25bar/362.5psi	1430200MM	1/6

Compensated piston operation.
Union connections.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Maximum inlet pressure: 25bar.
Outlet pressure can be adjusted:
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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Multithread model available in 1/2" size.

CERT

143
143MM

143: 1/2" - 3/4"
143MM: 1/2" - 3/4"

EUROPRESS

243

EUROPRESS PRESSURE REDUCING VALVE, DEZINCIFICATION RESISTANT BRASS



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	25bar/362.5psi	2430012	1/34
3/4" (DN 20)	25bar/362.5psi	2430034	1/34
1" (DN 25)	25bar/362.5psi	2430100	1/18
1"1/4 (DN 32)	25bar/362.5psi	2430114	1/9
1"1/2 (DN 40)	25bar/362.5psi	2430112	1/9
2" (DN 50)	25bar/362.5psi	2430200	1/8

243: 1/2" - 3/4" - 1"

243

Compensated piston operation.
Female/female threads.
Body in dezincification resistant brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Maximum inlet pressure: 25bar.
Outlet pressure can be adjusted:
1/2" - 3/4" - 1" between 1 and 5,5 bar; 1"1/4" through 4" between 1 and 6 bar.
Factory preadjustment 4 bar.
Outlet pressure gauge connection 1/4" on both sides.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



INSTALLATION OF PRESSURE REDUCING VALVES

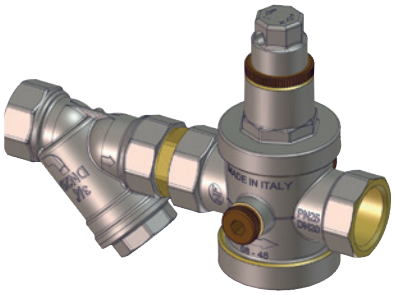
INFO

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

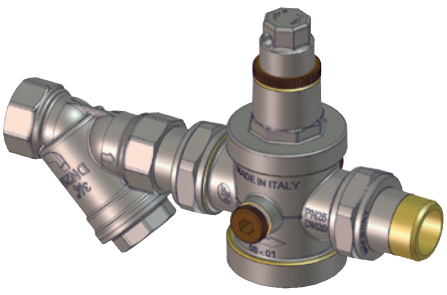
For a right installation, we suggest to use just one pressure reducing valve for pressure inlet values up to 16 bar. If inlet pressure values are higher we suggest to use two pressure reducing valves in series.

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



MINIPRESS

360
361

INFO

Compensated piston operation.
Female/female threads.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 80°C.
Maximum inlet pressure: 15bar. Outlet pressure can be adjusted between 1 and 4 bar.
Factory preadjustment 3 bar.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Art. 361: outlet pressure gauge connection 1/4".

360

MINIPRESS PRESSURE REDUCING VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	3600012	4/44
3/4" (DN 20)	15bar/217.5psi	3600034	4/44

361

MINIPRESS PRESSURE REDUCING VALVE, WITH PRESSURE GAUGE CONNECTION



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	3610012	4/44
3/4" (DN 20)	15bar/217.5psi	3610034	4/44



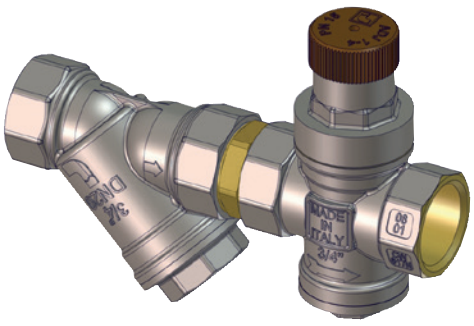
4

INSTALLATION OF PRESSURE REDUCING VALVES

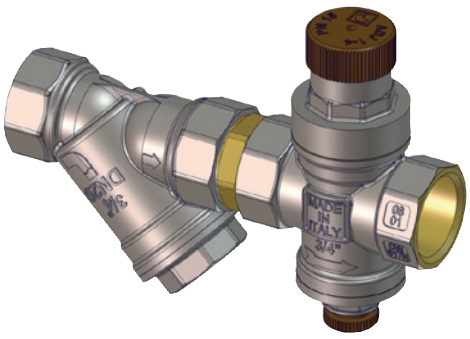
INFO

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



Y STRAINER

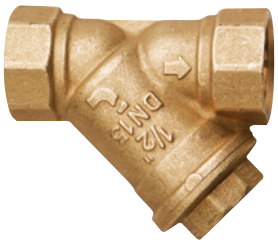
INFO

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.
Female/female threads and inspection plug.
Body in brass.
Minimum and maximum working temperatures: -20°C, 110°C in absence of steam.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

192

Y STRAINER

FILTRATION DEGREE: da 1/4" a 2" 500µm; 2"1/2, 3", 4" 800µm.



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	20bar/290psi	1920014	20/160
3/8" (DN 10)	20bar/290psi	1920038	20/160
1/2" (DN 15)	20bar/290psi	1920012	20/160
3/4" (DN 20)	20bar/290psi	1920034	10/80
1" (DN 25)	20bar/290psi	1920100	8/64
1"1/4 (DN 32)	20bar/290psi	1920114	5/40
1"1/2 (DN 40)	20bar/290psi	1920112	2/36
2" (DN 50)	20bar/290psi	1920200	2/18
2"1/2 (DN 65)	16bar/232psi	1920212	1/7
3" (DN 80)	16bar/232psi	1920300	1/5
4" (DN 100)	16bar/232psi	1920400	1/4

192CA

CARTRIDGE FOR Y STRAINER 192



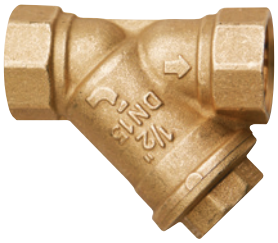
SIZE	CODE	PACKING	FOR STRAINER
1/4" (DN 8)	192CA014	1/0	1/4"
1/4" (DN 8)	192CA014	1/0	3/8"
1/4" (DN 8)	192CA014	1/0	1/2"
3/4" (DN 20)	192CA034	1/0	3/4"
1" (DN 25)	192CA100	1/0	1"
1"1/4 (DN 32)	192CA114	1/0	1"1/4
1"1/2 (DN 40)	192CA112	1/0	1"1/2
2" (DN 50)	192CA200	1/0	2"
2"1/2 (DN 65)	192CA212	1/0	2"1/2
3" (DN 80)	192CA300	1/0	3"
4" (DN 100)	192CA400	1/0	4"



192

Y STRAINER

FILTRATION DEGREE: 1/4" through 2" 200µm



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	20bar/290psi	1920014A	20/160
3/8" (DN 10)	20bar/290psi	1920038A	20/160
1/2" (DN 15)	20bar/290psi	1920012A	20/160
3/4" (DN 20)	20bar/290psi	1920034A	10/80
1" (DN 25)	20bar/290psi	1920100A	8/64
1"1/4 (DN 32)	20bar/290psi	1920114A	5/40
1"1/2 (DN 40)	20bar/290psi	1920112A	2/36
2" (DN 50)	20bar/290psi	1920200A	2/18

192CA

CARTRIDGE FOR Y STRAINER 192



SIZE	CODE	PACKING	FOR STRAINER
1/4" (DN 8)	192CA014A	1/0	1/4"
1/4" (DN 8)	192CA014A	1/0	3/8"
1/4" (DN 8)	192CA014A	1/0	1/2"
3/4" (DN 20)	192CA034A	1/0	3/4"
1" (DN 25)	192CA100A	1/0	1"
1"1/4 (DN 32)	192CA114A	1/0	1"1/4
1"1/2 (DN 40)	192CA112A	1/0	1"1/2
2" (DN 50)	192CA200A	1/0	2"

CERT

192
192CA

192

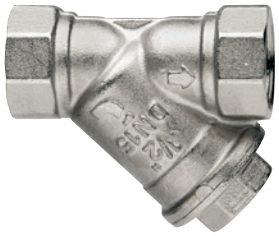
Y STRAINER

INFO

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.
Female/female threads and inspection plug.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 110°C in absence of steam.
Available in 3 filtration degrees: 500µm, 300µm, 50µm.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

193

NICKEL-PLATED Y STRAINER
FILTRATION DEGREE: 500µm



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	20bar/290psi	1930014	20/160
3/8" (DN 10)	20bar/290psi	1930038	20/160
1/2" (DN 15)	20bar/290psi	1930012	20/160
3/4" (DN 20)	20bar/290psi	1930034	10/80
1" (DN 25)	20bar/290psi	1930100	8/64
1"1/4 (DN 32)	20bar/290psi	1930114	5/40
1"1/2 (DN 40)	20bar/290psi	1930112	2/36
2" (DN 50)	20bar/290psi	1930200	2/18

192CA

CARTRIDGE FOR Y STRAINER 193

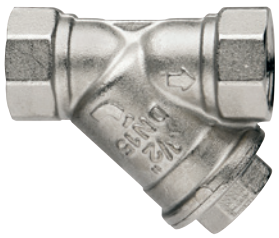


SIZE	CODE	PACKING	FOR STRAINER
1/4" (DN 8)	192CA014	1/0	1/4”
1/4" (DN 8)	192CA014	1/0	3/8”
1/4" (DN 8)	192CA014	1/0	1/2”
3/4" (DN 20)	192CA034	1/0	3/4”
1" (DN 25)	192CA100	1/0	1”
1"1/4 (DN 32)	192CA114	1/0	1”1/4
1"1/2 (DN 40)	192CA112	1/0	1”1/2
2" (DN 50)	192CA200	1/0	2”



193

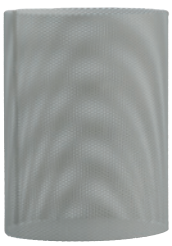
NICKEL-PLATED Y STRAINER
FILTRATION DEGREE: 300µm



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	20bar/290psi	1930014G	20/160
3/8" (DN 10)	20bar/290psi	1930038G	20/160
1/2" (DN 15)	20bar/290psi	1930012G	20/160
3/4" (DN 20)	20bar/290psi	1930034G	10/80
1" (DN 25)	20bar/290psi	1930100G	8/64
1"1/4 (DN 32)	20bar/290psi	1930114G	5/40
1"1/2 (DN 40)	20bar/290psi	1930112G	2/36
2" (DN 50)	20bar/290psi	1930200G	2/18

192CA

CARTRIDGE FOR Y STRAINER 193



SIZE	CODE	PACKING	FOR STRAINER
1/4" (DN 8)	192CA014G	1/0	1/4”
1/4" (DN 8)	192CA014G	1/0	3/8”
1/4" (DN 8)	192CA014G	1/0	1/2”
3/4" (DN 20)	192CA034G	1/0	3/4”
1" (DN 25)	192CA100G	1/0	1”
1"1/4 (DN 32)	192CA114G	1/0	1”1/4
1"1/2 (DN 40)	192CA112G	1/0	1”1/2
2" (DN 50)	192CA200G	1/0	2”

CERT

193
192CA

193

192CA

193

NICKEL-PLATED Y STRAINER
FILTRATION DEGREE: 50µm



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	20bar/290psi	1930014GAS	20/160
3/8" (DN 10)	20bar/290psi	1930038GAS	20/160
1/2" (DN 15)	20bar/290psi	1930012GAS	20/160
3/4" (DN 20)	20bar/290psi	1930034GAS	10/80
1" (DN 25)	20bar/290psi	1930100GAS	8/64
1"1/4 (DN 32)	20bar/290psi	1930114GAS	5/40
1"1/2 (DN 40)	20bar/290psi	1930112GAS	2/36
2" (DN 50)	20bar/290psi	1930200GAS	2/18

192CA

CARTRIDGE FOR Y STRAINER 193



SIZE	CODE	PACKING	FOR STRAINER
1/4" (DN 8)	192CA014GAS	1/0	1/4”
1/4" (DN 8)	192CA014GAS	1/0	3/8”
1/4" (DN 8)	192CA014GAS	1/0	1/2”
3/4" (DN 20)	192CA034GAS	1/0	3/4”
1" (DN 25)	192CA100GAS	1/0	1”
1"1/4 (DN 32)	192CA114GAS	1/0	1”1/4
1"1/2 (DN 40)	192CA112GAS	1/0	1”1/2
2" (DN 50)	192CA200GAS	1/0	2”

SELF-CLEANING STRAINER

INFO

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.
Body in nickel-plated brass.
Minimum and maximum working temperatures: 0°C, 100°C in absence of steam.
Filtration degree: 300µm.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



189

SELF-CLEANING STRAINER



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	1890012	1/9
3/4" (DN 20)	16bar/232psi	1890034	1/9
1" (DN 25)	16bar/232psi	1890100	1/6
1"1/4 (DN 32)	16bar/232psi	1890114	1/6
1"1/2 (DN 40)	16bar/232psi	1890112	1/5
2" (DN 50)	16bar/232psi	1890200	1/5

189CA

CARTRIDGE FOR STRAINER 189



SIZE	CODE	PACKING	FOR STRAINER
1/2" (DN 15)	189CA012	1/0	1/2”
3/4" (DN 20)	189CA034	1/0	3/4”
1" (DN 25)	189CA100	1/0	1”
1"1/4 (DN 32)	189CA114	1/0	1”1/4
1"1/2 (DN 40)	189CA112	1/0	1”1/2
2" (DN 50)	189CA200	1/0	2”

CERT

189

HEATING

894V - 894C - 296S
895V - 895C - 297S 62



Straight convertible valves and lockshields

894CPS - 895CPS
994CPS - 995CPS 64-65



Convertible valves with pre-setting

294S - 296S - 394S - 396S
295S - 297S - 395S - 397S 69



Manual valves and lockshields with o-ring

990 - 991 - 989 71



Electric actuators for zone ball valves

450 - 455 - 456 - 465 - 885 74-76



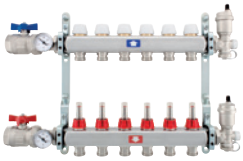
Brass distribution manifolds

852 - 862 80-81



Stainless steel manifolds

907C - 912C - 917C - 917CDE
918C - 922C - 922MO - 927
932 - 937 - 942 - 947 86-91



Pre-assembled manifolds in stainless steel

63 **994V - 994C - 396S**
995V - 995C - 397S



Angle convertible valves and lockshields

66 **891 - 891SD - 891GA - 891R**



Thermostatic actuators

68 **294 - 296 - 394 - 396**
295 - 297 - 395 - 397



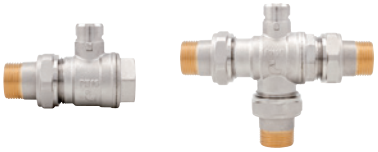
Manual valves and lockshields

70 **305 - 315 - 306 - 306K - 286**



Two-pipe valves for panel radiators

72-73 **980 - 981 - 982**
984 - 986 - 988



Zone ball valves

77-82-96 **499 - 499CS - 499CC**



Universal plastic box and set to fix the manifolds

84-92-98-105 **498 - 498ST**



Metal box and mounting brackets

850/38 - 850/50 - 860 94-95



Distribution manifolds in brass

949 - 949CEF - 498ST - 949ST - 949BY - 894K - 092K 108-110



Set point regulating unit

891M 112



Electrothermal actuator

471FL 112



Flow-meter

489AR - 489MR - 489A 489M - 489SO 114



End pieces with drain valve and air vent valve

098SK - 298SK 487K01 - 487K02 116-117



Accessories kit for pre-assembled manifolds

494 - 495 - 496 120



End caps

362 - 362R - 363 - 364 - 364R 365 - 366 - 367 - 194 - 194O 195 - 196 - 299 123-125



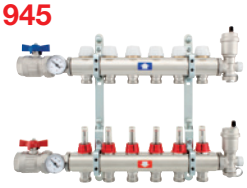
Air vent valves and safety valves

820 - 820C - 820CS 950C - 950S - 950T 127-129



Thermostats and chronothermostats

905C - 910C - 915C - 916C - 920C - 925 - 930 - 935 - 940 - 945 100-104



Pre-assembled manifolds in brass

112 **915CK**



Extension kit for manifolds

112 **860BY**



Off-centre by-pass kit

113 **471N - 518N - 519N**



Adapters

115 **COP100**



Insulation shells for manifolds

118 - 119 **492N - 490 - 490S - 491 492 - 492B - 492C - 492BC**



Accessories for pre-assembled manifolds

120-122 **482 - 482R - 483 - 483R 484 - 485 - 493**



Thermometer and pressure gauge

126 **368 - 369 - 368M - 369M**



Diaphragm safety relief valves

INFO

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

894V

STRAIGHT CONVERTIBLE VALVE WITH HANDLE, FEMALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	8940038V	4/120
1/2" (DN 15)	10bar/145psi	8940012V	4/84

To be used with iron piping or, together with an Itap-Fit® connector (art. 618 pg.142), with copper, crosslinked polyethylene (PEX) or polybutylene.



618

894C

STRAIGHT CONVERTIBLE VALVE WITH CAP, FEMALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	8940038C	4/96
1/2" (DN 15)	10bar/145psi	8940012C	4/96
3/4" (DN 20)	10bar/145psi	8940034C	10/80

In the case of use with PEX or polybuthylene it is also requested the use of the liner art. 655 (pg. 143).



655

296S

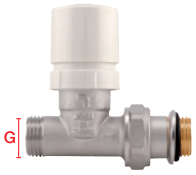
STRAIGHT LOCKSHIELD, FEMALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	2960038S	12/132
1/2" (DN 15)	10bar/145psi	2960012S	12/132
3/4" (DN 20)	10bar/145psi	2960034S	10/80

895V

STRAIGHT CONVERTIBLE VALVE WITH HANDLE, MALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	8950038V	4/120
1/2" (DN 15)	10bar/145psi	8950012V	4/84

To be used with multilayer, PEX or polybutylene piping, together with 595M or 510 Multi-Fit® connectors (pg.134)



595M



510

Suitable also for copper piping, together with a compression fitting art. 595 (pg.144).

895C

STRAIGHT CONVERTIBLE VALVE WITH CAP, MALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	8950038C	4/96
1/2" (DN 15)	10bar/145psi	8950012C	4/96



595

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

297S

STRAIGHT LOCKSHIELD, MALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	2970038S	12/192
1/2" (DN 15)	10bar/145psi	2970012S	12/156

CERT

894V 895V
894C 895C
296S 297S

INFO

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

994V

ANGLE CONVERTIBLE VALVE WITH HANDLE, FEMALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	9940038V	4/120
1/2" (DN 15)	10bar/145psi	9940012V	4/84

To be used with iron piping or, together with an Itap-Fit® connector (art. 618 pg.142), with copper, crosslinked polyethylene (PEX) or polybutylene.


618

994C

ANGLE CONVERTIBLE VALVE WITH CAP, FEMALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	9940038C	4/96
1/2" (DN 15)	10bar/145psi	9940012C	4/96
3/4" (DN 20)	10bar/145psi	9940034C	10/80

In the case of use with PEX or polybuthylene it is also requested the use of the liner art. 655 (pg. 143).


655

396S

ANGLE LOCKSHIELD, FEMALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3960038S	12/132
1/2" (DN 15)	10bar/145psi	3960012S	12/156
3/4" (DN 20)	10bar/145psi	3960034S	10/80

995V

ANGLE CONVERTIBLE VALVE WITH HANDLE, MALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	9950038V	4/120
1/2" (DN 15)	10bar/145psi	9950012V	4/84

To be used with multilayer, PEX or polybutylene piping, together with 595M or 510 Multi-Fit® connectors (pg.134)


595M


510

995C

ANGLE CONVERTIBLE VALVE WITH CAP, MALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	9950038C	4/96
1/2" (DN 15)	10bar/145psi	9950012C	4/96

Suitable also for copper piping, together with a compression fitting art. 595 (pg.144).

397S

ANGLE LOCKSHIELD, MALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3970038S	12/132
1/2" (DN 15)	10bar/145psi	3970012S	12/192


595

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

CERT

994V 995V
994C 995C
396S 397S

PRE-SETTING

INFO

These valves can be preset in order to easily and precisely balance radiator-based heating systems.
The balancing is suitable for manual and thermostatic operation.

Body in nickel-plated brass.
Maximum working temperature: 110°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Suitable for thermostatic control heads art. 891, art. 891R, art. 891SD.

894CPS

STRAIGHT CONVERTIBLE VALVE, FEMALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	8940038CPS	4/96
1/2" (DN 15)	10bar/145psi	8940012CPS	4/96
3/4" (DN 20)	10bar/145psi	8940034CPS	10/80

To be used with iron piping or, together with an Itap-Fit® connector (art. 618 pg.142), with copper, crosslinked polyethylene (PEX) or polybutylene.



618

In the case of use with PEX or polybuthylene it is also requested the use of the liner art. 655 (pg. 143).



655

994CPS

ANGLE CONVERTIBLE VALVE, FEMALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	9940038CPS	4/96
1/2" (DN 15)	10bar/145psi	9940012CPS	4/96
3/4" (DN 20)	10bar/145psi	9940034CPS	10/80



5

895CPS

STRAIGHT CONVERTIBLE VALVE, MALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	8950038CPS	4/96
1/2" (DN 15)	10bar/145psi	8950012CPS	4/96

To be used with multilayer, PEX or polybutylene piping, together with 595M or 510 Multi-Fit® connectors (pg.134)



595M



510

Suitable also for copper piping, together with a compression fitting art. 595 (pg.144).

995CPS

ANGLE CONVERTIBLE VALVE, MALE THREAD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	9950038CPS	4/96
1/2" (DN 15)	10bar/145psi	9950012CPS	4/96



595

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

CERT

894CPS
994CPS
895CPS
995CPS

PRE-SETTING REGULATION

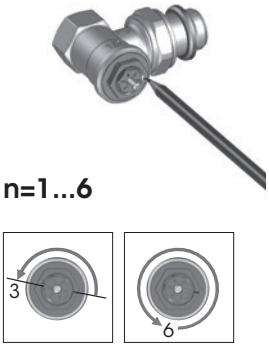
CONVERTIBLE VALVES

3/8" - 1/2"

Turn the pre-setting screw until stop.
Mark the position of the screw-driver slot as reference point, then turn anti-clockwise according to the above pressure drop and flow rate charts.









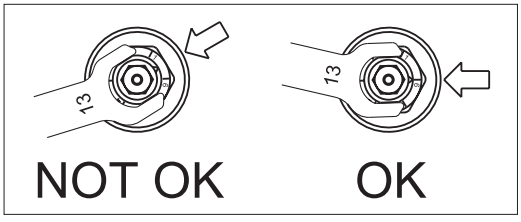
Pre-setting above 3 are unsuitable for operation with thermostatic heads and should only be used with actuators (open/close operation).

Normal flow rate according to different pre-setting positions (using the thermostatic head)
Qms (l/h) with Δp 10 kPa

3/8" - 1/2"	1	2	3	4	5	6	Max	Qmn
994CPS/ 995CPS	90	180	210	210	210	210	210	210
894CPS / 895CPS	108	180	210	210	210	210	210	210
±%	60	30	20	10	10	10	10	10

3/4"

Use a wrench (13 mm) to set the index on one of the numbers
(the selector cannot be positioned between two numbers).



Normal flow rate according to different pre-setting positions (using the thermostatic head)
Qms (l/h) with Δp 10 kPa

3/4"	1	2	3	4	5	6
994CPS	30	60	95	130	210	305
894CPS	30	60	95	130	210	270
±%	60	30	20	10	10	10

891

THERMOSTATIC CONTROL HEAD WITH OIL-FILLED ELEMENT



CODE	PACKING
891	1/100

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: 1,5bar.

891SD

THERMOSTATIC CONTROL HEAD WITH REMOTE CONTROL



CODE	PACKING
891SD	1/32

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: 1,5bar.
Length of the capillary pipe: m. 2.

891GA

TAMPER-PROOF CAP FOR THERMOSTATIC CONTROL HEADS



CODE	PACKING
891GA	75/600

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

891R

THERMOSTATIC CONTROL HEAD WITH OIL-FILLED ELEMENT



CODE	PACKING
891R	1/120

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: 1,5bar.

CERT

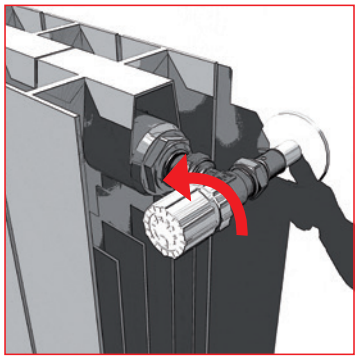
891SD

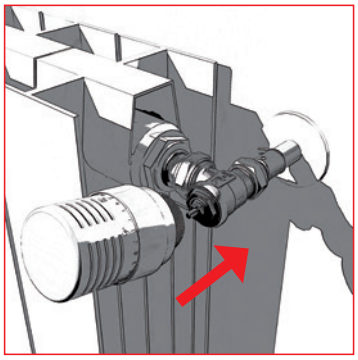
891
891SD
891GA

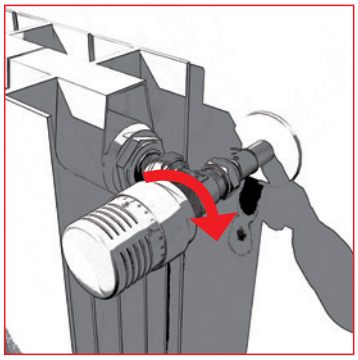
891
891SD

891R

THERMOSTATIC CONTROL HEAD INSTALLATION







Convertible valves can be coupled to thermostatic control heads by a simple operation. This convertion 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.

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.

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



INFO

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

294
STRAIGHT MANUAL VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	10bar/145psi	2940012	12/96
3/4" (DN 20)	10bar/145psi	2940034	8/64

296
STRAIGHT LOCKSHIELD



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	10bar/145psi	2960012	12/156
3/4" (DN 20)	10bar/145psi	2960034	8/104

394
ANGLE MANUAL VALVE



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3940038	12/96
1/2" (DN 15)	10bar/145psi	3940012	12/144
3/4" (DN 20)	10bar/145psi	3940034	8/104

396
ANGLE LOCKSHIELD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3960038	12/156
1/2" (DN 15)	10bar/145psi	3960012	12/156
3/4" (DN 20)	10bar/145psi	3960034	8/104

To be used with iron piping or, together with an Itap-Fit® connector (art. 618 pg.142), with copper, crosslinked polyethylene (PEX) or polybutylene.



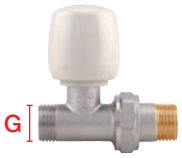
618

In the case of use with PEX or polybuthylene it is also requested the use of the liner art. 655 (pg. 143).



655

295
STRAIGHT MANUAL VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	10bar/145psi	2950012	12/96

297
STRAIGHT LOCKSHIELD



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	10bar/145psi	2970012	12/156

395
ANGLE MANUAL VALVE



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3950038	12/96
1/2" (DN 15)	10bar/145psi	3950012	12/96

397
ANGLE LOCKSHIELD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3970038	12/156
1/2" (DN 15)	10bar/145psi	3970012	12/156

To be used with multilayer, PEX or polybutylene piping, together with 595M or 510 Multi-Fit® connectors (pg.134)



595M



510

Suitable also for copper piping, together with a compression fitting art. 595 (pg.144).



595

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

CERT

294 295 296 297 394 395 396 397

396S

INFO

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

294S
STRAIGHT MANUAL VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	10bar/145psi	2940012S	12/96
3/4" (DN 20)	10bar/145psi	2940034S	10/80

296S
STRAIGHT LOCKSHIELD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	2960038S	12/132
1/2" (DN 15)	10bar/145psi	2960012S	12/132
3/4" (DN 20)	10bar/145psi	2960034S	10/80

394S
ANGLE MANUAL VALVE



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3940038S	12/96
1/2" (DN 15)	10bar/145psi	3940012S	12/96
3/4" (DN 20)	10bar/145psi	3940034S	10/80

396S
ANGLE LOCKSHIELD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3960038S	12/132
1/2" (DN 15)	10bar/145psi	3960012S	12/156
3/4" (DN 20)	10bar/145psi	3960034S	10/80

To be used with iron piping or, together with an Itap-Fit® connector (art. 618 pg.142), with copper, crosslinked polyethylene (PEX) or polybutylene.



618

In the case of use with PEX or polybuthylene it is also requested the use of the liner art. 655 (pg. 143).



655

295S
STRAIGHT MANUAL VALVE



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	10bar/145psi	2950012S	12/96

297S
STRAIGHT LOCKSHIELD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	2970038S	12/192
1/2" (DN 15)	10bar/145psi	2970012S	12/156

395S
ANGLE MANUAL VALVE



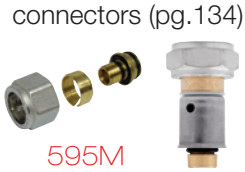
SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3950038S	12/96
1/2" (DN 15)	10bar/145psi	3950012S	12/96

397S
ANGLE LOCKSHIELD



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3970038S	12/132
1/2" (DN 15)	10bar/145psi	3970012S	12/192

To be used with multilayer, PEX or polybutylene piping, together with 595M or 510 Multi-Fit® connectors (pg.134)



595M

510

Suitable also for copper piping, together with a compression fitting art. 595 (pg.144).



595

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

CERT

294S 295S
296S 297S
394S 395S
396S 397S

397S

INFO

To be used with multilayer, PEX or polybutylene piping, together with a Multi-Fit® connector (art.510, pg. 134).
Suitable also for copper piping, together with a compression fitting art. 595 (pg. 144).
Body in nickel-plated brass.
Art. 305: floor connections.
Art. 315: wall connections.
Radiator connections: 3/4" flat seat.
Pipe connection: 3/4" Eurokonus.
Centres distance: 50mm.
Minimum and maximum working temperatures: -10°C, 90°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

305

STRAIGHT TWO-PIPE VALVE



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20) EUROKONUS	10bar/145psi	3050034	6/96

315

ANGLE TWO-PIPE VALVE



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20) EUROKONUS	10bar/145psi	3150034	6/96

306

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



The price refers to the single fitting.

SIZE	CODE	PACKING
1/2" -3/4"	3060012034	48/528

306K

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



The price refers to the single adapter.
The packing consists in 300 bags, including each one 2 adapters.

CODE	PACKING
306K	2/600

286

PLASTIC ROSETTE



SIZE	CODE	PACKING
12	2860012	100/1000
14	2860014	100/1000
15	2860015	100/1000
16	2860016	100/1000
18	2860018	100/1000

CERT

305 306 315

306

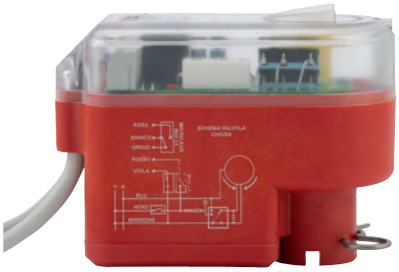
305 306 315 306K

INFO

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.

990

ELECTRIC ACTUATOR FOR ZONE BALL VALVES



SIZE	CODE	PACKING
230V x 25sec	99023025	1/18
230V x 50sec	99023050	1/18

991

ELECTRIC ACTUATOR FOR ZONE BALL VALVES, WITH MANUAL UNLOCKING DEVICE



SIZE	CODE	PACKING
230V x 25sec	99123025	1/18
230V x 50sec	99123050	1/18
24V x 50sec	99102450	1/18

INFO

Suitable for 2-way zone ball valves art.980 and 981.
Unidirectional electric actuators.
Case in Kelon® (Keramic + 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

989

ELECTRIC ACTUATOR FOR 2-WAY ZONE BALL VALVES



SIZE	CODE	PACKING
230V x 90sec	98923090	1/18

CERT

990
991
989

INFO

Body in nickel-plated brass.
Full flow ball.
Maximum working pressure: 16bar.
Maximum differential pressure: 10bar.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Suitable for the electric actuators art. 990 and 991.
Art.980 and 981 suitable for the electric actuators 989, 990 and 991.

980

2-WAY ZONE BALL VALVE



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	16bar/232psi	9800034	1/30
1" (DN 25)	16bar/232psi	9800100	1/30
1"1/4 (DN 32)	16bar/232psi	9800114	1/30

981

2-WAY ZONE BALL VALVE WITH DOUBLE UNION CONNECTION



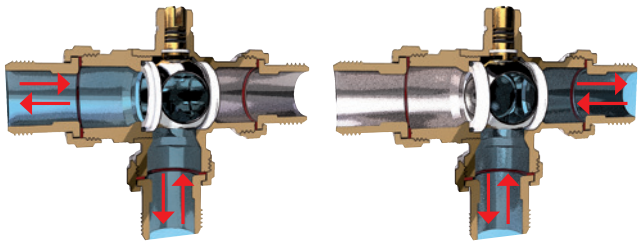
SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	16bar/232psi	9810034	1/30
1" (DN 25)	16bar/232psi	9810100	1/30
1"1/4 (DN 32)	16bar/232psi	9810114	1/16

982

3-WAY DIVERTER ZONE BALL VALVE



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	16bar/232psi	9820034	1/30
1" (DN 25)	16bar/232psi	9820100	1/18



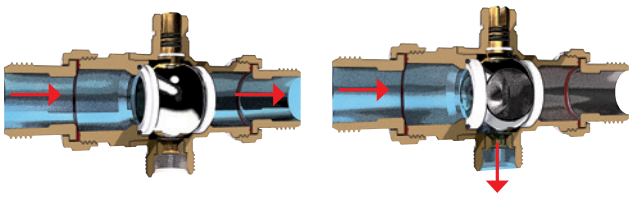


984

3-WAY ZONE BALL VALVE



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	16bar/232psi	9840034	1/30
1" (DN 25)	16bar/232psi	9840100	1/24



Open position. By-pass position.

CERT

980
981
982
984

INFO

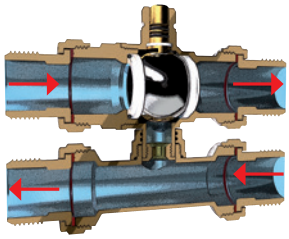
Body in nickel-plated brass.
Full flow ball.
Balanced by-pass.
Adjustable thread centres distance:
-3/4": mm.49 to mm.63;
-1": mm.55 to mm.63
Maximum working pressure: 16bar.
Maximum differential pressure: 10bar.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Suitable for the electric actuators art. 990 and 991.

986

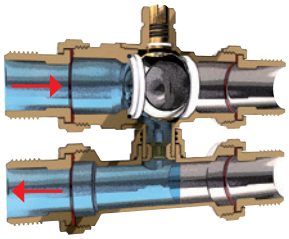
4-WAY ZONE BALL VALVE



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	16bar/232psi	9860034	1/18
1" (DN 25)	16bar/232psi	9860100	1/10



Open position.



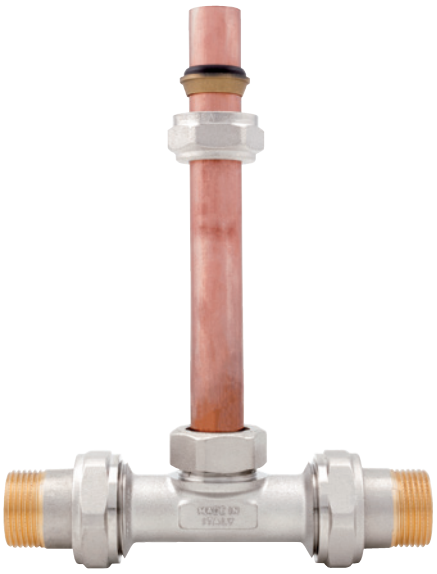
By-pass position.

INFO

By-pass tee in nickel-plated brass.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads ISO228 (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.

988

BY-PASS KIT FOR ZONE BALL VALVES



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	10bar/145psi	9880034	1/30
1" (DN 25)	10bar/145psi	9880100	1/24

CERT

986
988

988

450

MODULAR DISTRIBUTION MANIFOLD, 1/2" FEMALE OUTLETS



SIZE	PRESSURE	CODE	PACKING
3/4" x 2	10bar/145psi	450003402	12/120
3/4" x 3	10bar/145psi	450003403	8/80
3/4" x 4	10bar/145psi	450003404	6/60
1" x 2	10bar/145psi	450010002	12/96
1" x 3	10bar/145psi	450010003	8/64
1" x 4	10bar/145psi	450010004	6/48

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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

455

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



SIZE	PRESSURE	CODE	PACKING
3/4" x 2	10bar/145psi	455003402	12/120
3/4" x 3	10bar/145psi	455003403	8/80
3/4" x 4	10bar/145psi	455003404	6/60
1" x 2	10bar/145psi	455010002	12/96
1" x 3	10bar/145psi	455010003	8/64
1" x 4	10bar/145psi	455010004	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 ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
The male thread "G" is equipped with a conical seat and inner diameter mm.16.

456

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

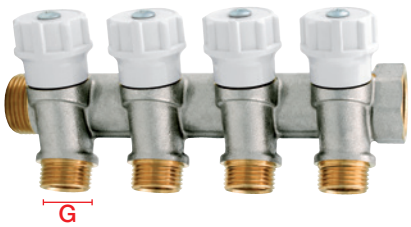


SIZE	PRESSURE	CODE	PACKING
3/4" x 2	10bar/145psi	456003402	12/120
3/4" x 3	10bar/145psi	456003403	8/80
3/4" x 4	10bar/145psi	456003404	6/60

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 ISO228 (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.

465

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



SIZE	PRESSURE	CODE	PACKING
3/4" x 2	10bar/145psi	465003402	4/76
3/4" x 3	10bar/145psi	465003403	4/52
3/4" x 4	10bar/145psi	465003404	4/32
1" x 2	10bar/145psi	465010002	4/52
1" x 3	10bar/145psi	465010003	4/32
1" x 4	10bar/145psi	465010004	4/32

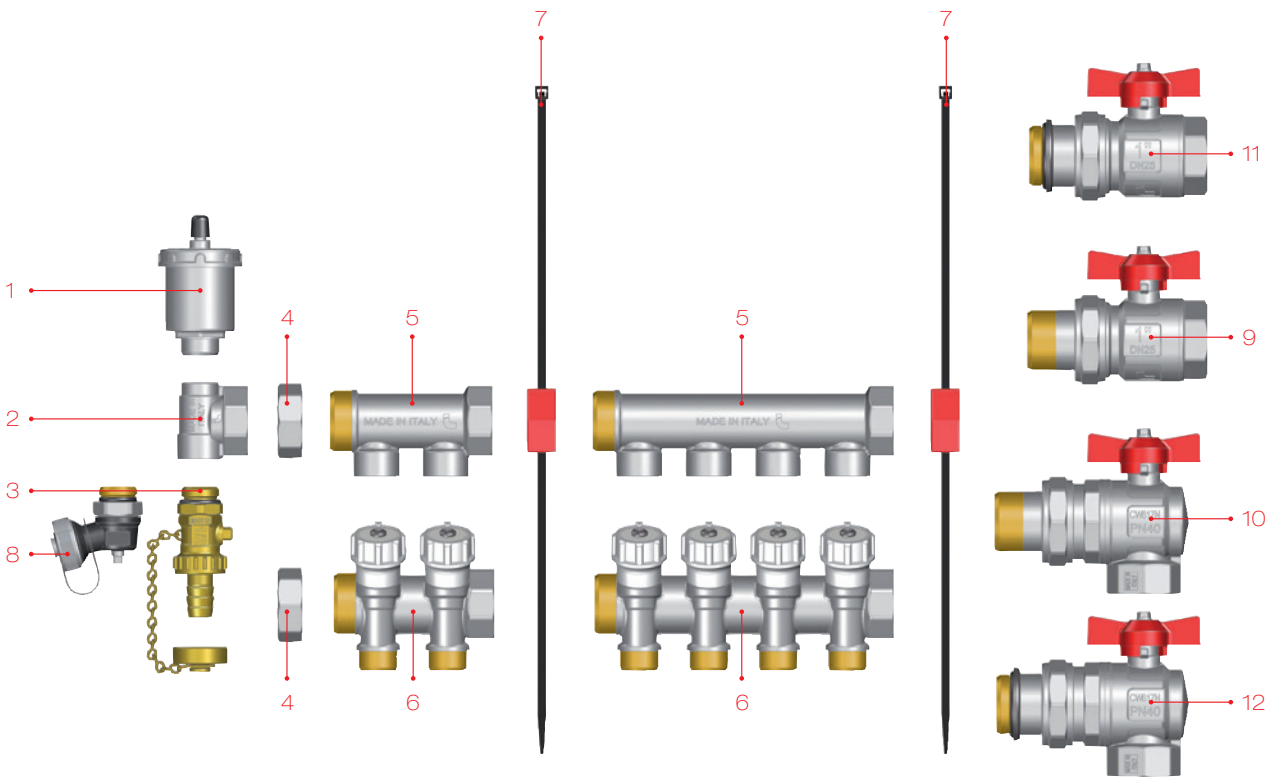
Distribution manifold with shut-off valves to the male outlets, suitable for fittings for copper, PEX, polybutylene or multilayer piping.
Body in forged, nickel-plated brass.
Maximum working temperature: 110 °C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
The male thread "G" is equipped with a conical seat and inner diameter mm.16.

CERT

450
455
456
465

456

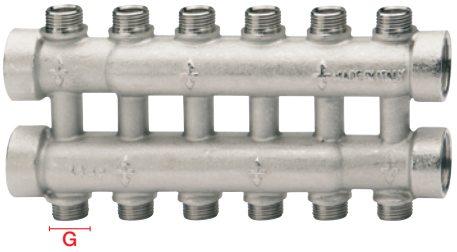
ACCESSORIES CHART ART. 450 - 455 - 456 - 465



POS	ART	DESCRIPTION	CHP	PG.
1	362 362R	Automatic air vent valve	5	123
2	491	Female 3-way end fitting for manifolds	5	118
3	139	Drain ball valve with brass hose connection	2	34
4	496	Female end cap with washer	5	120
5	450-455 456	Modular distribution manifold	5	74
6	465	Modular distribution manifold with shut off valves	5	74
7	499CS	Set to fix simple manifolds to the box	5	77
8	489SO	Adjustable drain cock	5	114
9	098	Ball valve for manifold	2	20
10	298	Angle ball valve for manifold	2	21
11	098S	Ball valve for manifold with o-ring on the union	2	20
12	298S	Angle ball valve for manifold with o-ring on the union	2	21

885

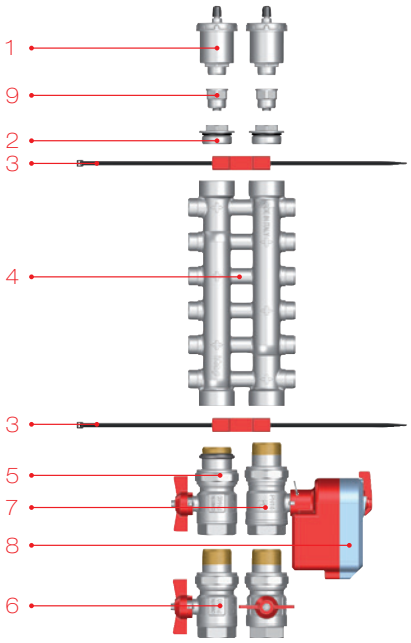
DUAL DISTRIBUTION MANIFOLD, 1/2" MALE OUTLETS, CONICAL SEAT



SIZE	PRESSURE	CODE	PACKING
3/4"x2+2	10bar/145psi	88500340238	1/22
3/4"x4+4	10bar/145psi	88500340438	1/26
3/4"x6+6	10bar/145psi	88500340638	1/16
3/4"x8+8	10bar/145psi	88500340838	1/12
3/4"x10+10	10bar/145psi	88500341038	1/8

Dual distribution manifold with male outlets.
Suitable for fittings for copper, PEX, polybutylene or multilayer piping.
Body in casted, nickel-plated brass.
Maximum working pressure: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
The male thread "G" is equipped with a conical seat and inner diameter mm.16.
Centres distance: mm.38.

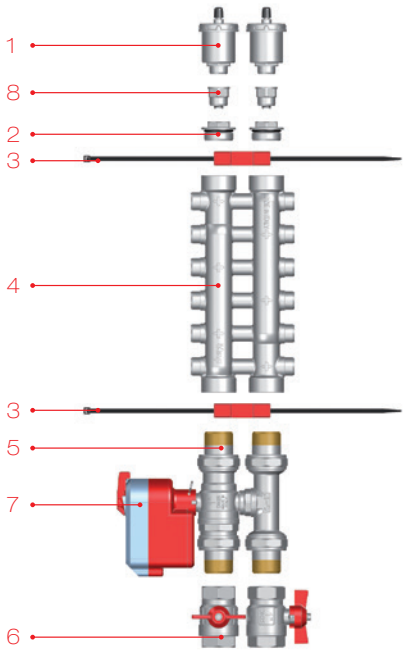
ACCESSORIES CHART ART. 885



POS	ART	DESCRIPTION	CHP	PG.
1	362-362R	Automatic air vent valve	5	123
2	495	Male end fitting with o-ring	5	120
3	499CC	Set to fix dual manifolds to the box	5	77
4	885	Dual manifold	5	76
5	098S	Ball valve for manifolds with o-ring	2	20
6	098	Ball valve for manifolds	2	20
7	980	2-way zone ball valve	5	72
8	990 - 991 989	Electric actuator for zone ball valves Electric actuator for 2-way zone ball valves	5	71
9	365	Automatic check valve	5	124



5



POS	ART	DESCRIPTION	CHP	PG.
1	362-362R	Automatic air vent valve	5	123
2	495	Male end fitting with o-ring	5	120
3	499CC	Set to fix dual manifolds to the box	5	77
4	885	Dual manifold	5	76
5	986	4-way zone ball valve	5	73
6	092	Ball valve, female/female threads	2	19
7	990 - 991	Electric actuator for zone ball valves	5	71
8	365	Automatic check valve	5	124

CERT

885

499

UNIVERSAL PLASTIC BOX FOR MANIFOLDS

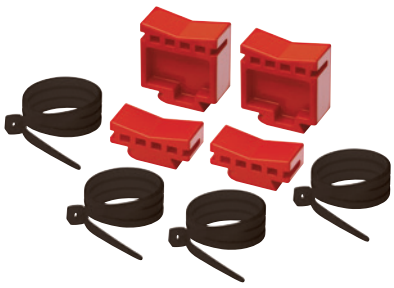


SIZE	CODE	PACKING
350x350x90	499350350	1/1
500x350x90	499500350	1/1
650x350x90	499650350	1/1
800x400x95	499800400	1/1

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



CODE	PACKING
499CS	1/50

Consisting of: 2 long brackets, 2 short brackets, 4 plastic strips.
Suitable for simple forged or cast manifolds.

499CC

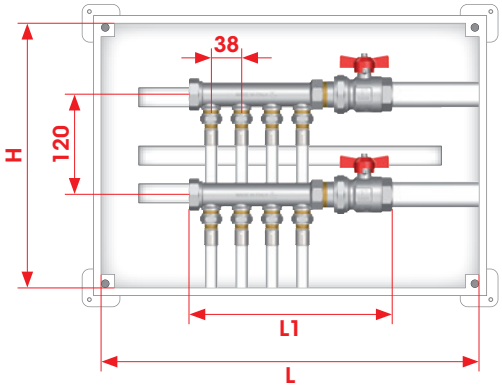
SET TO FIX DUAL MANIFOLDS TO THE PLASTIC BOX



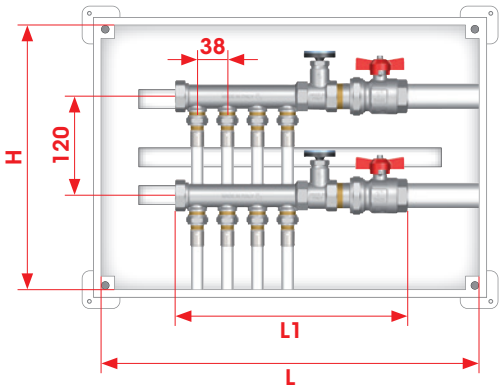
CODE	PACKING
499CC	1/50

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

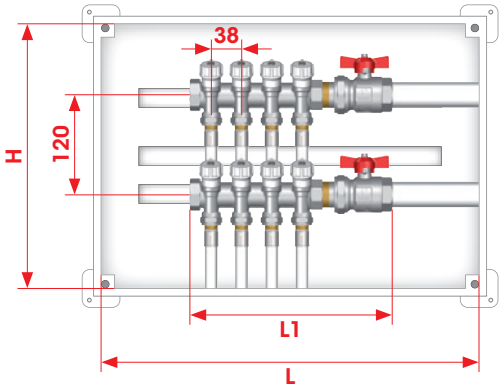
POSITIONING THE MANIFOLDS 450 - 455 - 456 - 465 INTO PLASTIC BOXES



CODE	499.350.350		499.500.350		
LxH (mm)	350X350		500X350		
N° outlets	4	4+2	4+3	4+4	4+4+2
MANIFOLD	3/4"				
L1	243	319	357	396	472

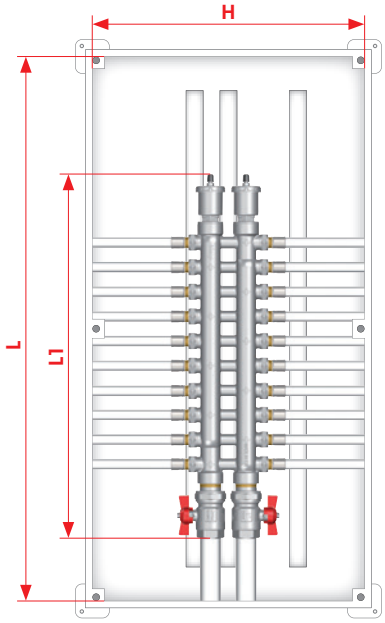


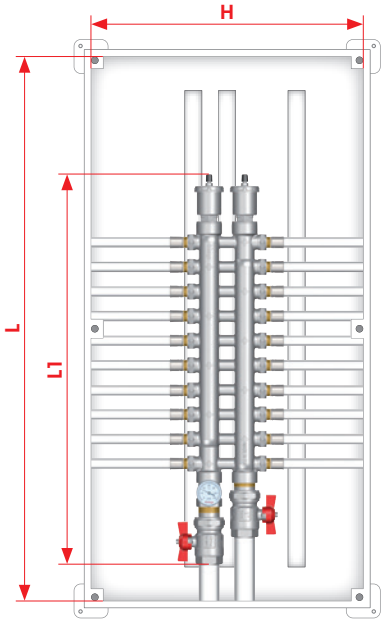
CODE	499.350.350	499.500.350			499.650.350
LxH (mm)	350x350	500x350			650x350
N° outlets	4	4+2	4+3	4+4	4+4+2
MANIFOLD	1"				
L1	290	367	405	443	520



CODE	499.350.350		499.500.350		
LxH (mm)	350x350		500x350		
N° outlets	4	4+2	4+3	4+4	4+4+2
MANIFOLD	3/4" - 1"				
L1	243	319	357	396	472

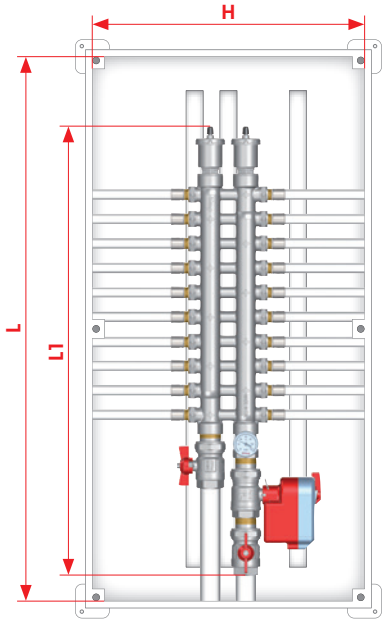
POSITIONING THE MANIFOLDS 885 INTO PLASTIC BOXES

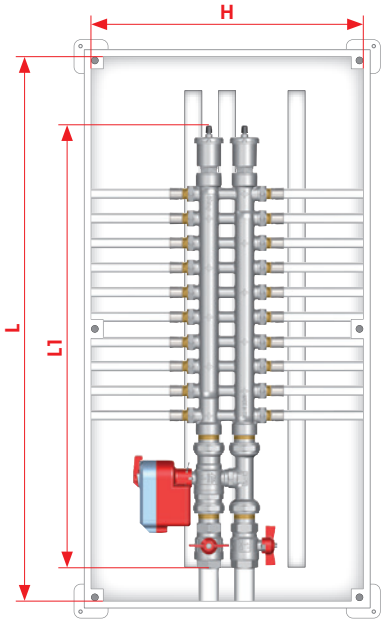




CODE	499.350.350	499.500.350		499.650.350		499.800.400
LxH (mm)	350x350	500x350		650x350		800x400
N° outlets	2+2	4+4	6+6	8+8	10+10	
MANIFOLD	3/4"					
L1	246	322	398	474	550	

POSITIONING THE MANIFOLDS 885 WITH ZONE VALVES INTO PLASTIC BOXES





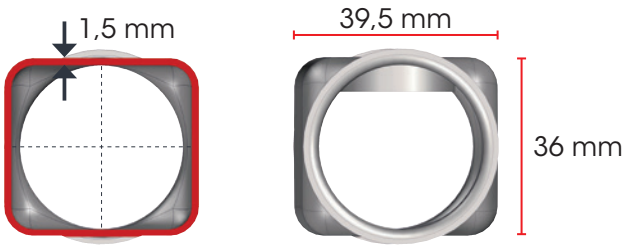
CODE	499.500.350		499.650.350		499.800.400
LxH (mm)	500X350		650X350		800X400
N° outlets	2+2	4+4	6+6	8+8	10+10
MANIFOLD	3/4"				
L1	382	458	534	610	686

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.



FULL FLOW 1" SIZE

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

MAXIMUM INLET FLOW RATE: 5m³/h





5

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"
3 to 13 outlets	3/4" EUROKONUS
Outlet centre-distance	50 mm
Flow meter regulation	0-5 l/m
Flow meter precision	+/- 10%

INFO

Manifolds in stainless steel AISI 304L with female outlets, suitable for fittings for copper, PEX, polybutylene or multilayer piping.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Size of the outlets: 1/2" F.

852

DISTRIBUTION MANIFOLD IN STAINLESS STEEL, CENTRES DISTANCE MM.50



SIZE	PRESSURE	CODE	PACKING
1" x 2	10bar/145psi	85201000250	1/84
1" x 3	10bar/145psi	85201000350	1/60
1" x 4	10bar/145psi	85201000450	1/54
1" x 5	10bar/145psi	85201000550	1/54
1" x 6	10bar/145psi	85201000650	1/36
1" x 7	10bar/145psi	85201000750	1/24
1" x 8	10bar/145psi	85201000850	1/24
1" x 9	10bar/145psi	85201000950	1/24
1" x 10	10bar/145psi	85201001050	1/24
1" x 11	10bar/145psi	85201001150	1/24
1" x 12	10bar/145psi	85201001250	1/24
1" x 13	10bar/145psi	85201001350	1/20

862

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





SIZE	PRESSURE	CODE	PACKING
1" x 2	10bar/145psi	86201000250	1/84
1" x 3	10bar/145psi	86201000350	1/60
1" x 4	10bar/145psi	86201000450	1/54
1" x 5	10bar/145psi	86201000550	1/54
1" x 6	10bar/145psi	86201000650	1/36
1" x 7	10bar/145psi	86201000750	1/24
1" x 8	10bar/145psi	86201000850	1/24
1" x 9	10bar/145psi	86201000950	1/24
1" x 10	10bar/145psi	86201001050	1/24
1" x 11	10bar/145psi	86201001150	1/24
1" x 12	10bar/145psi	86201001250	1/24
1" x 13	10bar/145psi	86201001350	1/20

CERT

852
862

499

UNIVERSAL PLASTIC BOX FOR MANIFOLDS

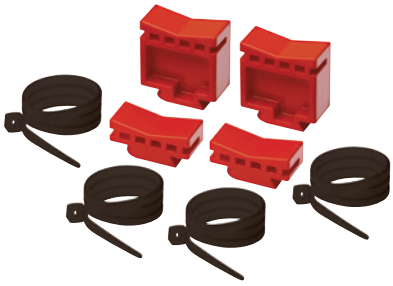


SIZE	CODE	PACKING
350x350x90	499350350	1/1
500x350x90	499500350	1/1
650x350x90	499650350	1/1
800x400x95	499800400	1/1

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



CODE	PACKING
499CS	1/50

Consisting of: 2 long brackets, 2 short brackets, 4 plastic strips.
Suitable for simple forged or cast manifolds.

499CC

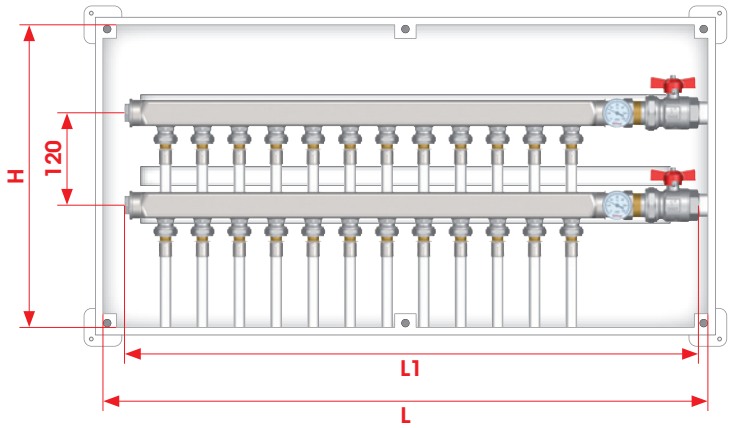
SET TO FIX DUAL MANIFOLDS TO THE PLASTIC BOX



CODE	PACKING
499CC	1/50

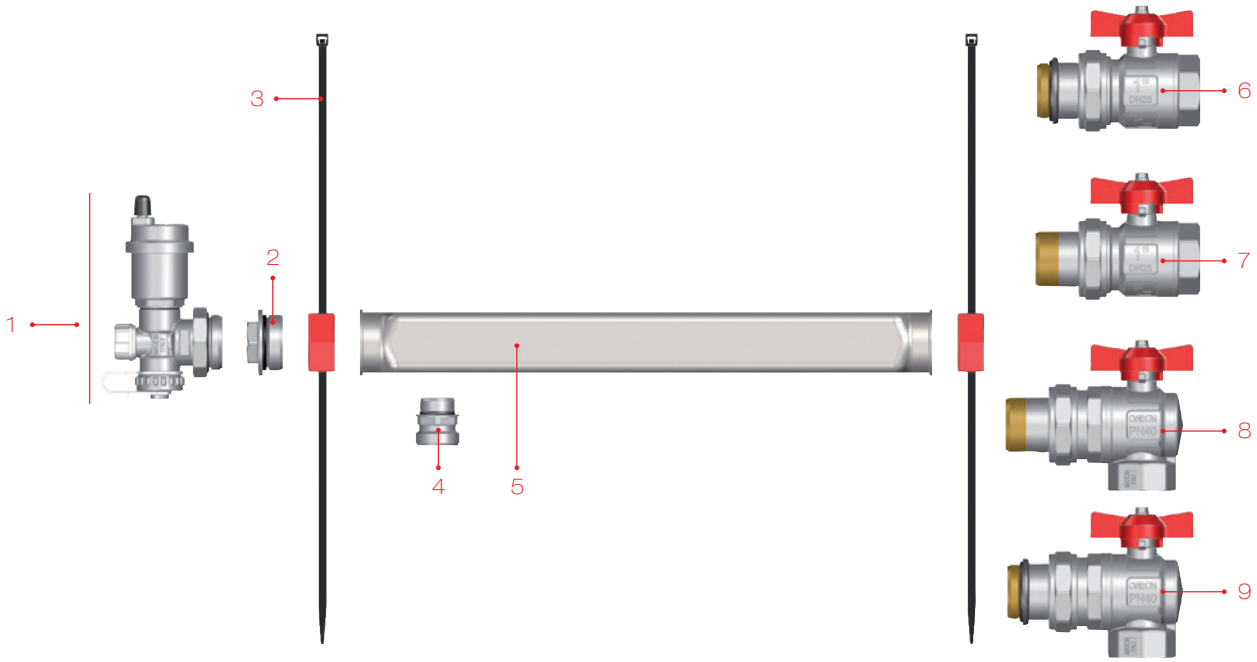
Consisting of: 2 brackets for dual manifolds, 2 plastic strips.
Suitable for dual manifolds

POSITIONING THE MANIFOLD 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
MANIFOLD	1"			
L1	318	468	618	768

ACCESSORIES CHART ART. 852 FOR PLASTIC BOXES



POS	ART	DESCRIPTION	CHP	PG.
1	489AR	Adjustable end piece with drain valve and automatic air vent valve	5	114
2	494	Male end cap with o-ring	5	120
3	499CS	Plastic strip to fix the manifold	2	82
4	518	Male/male adapter	5	113
5	852	Distribution manifold in stainless steel	5	81
6	098S	Ball valve for manifolds with o-ring on the union	2	20
7	098	Ball valve for manifolds	2	21
8	298	Angle ball valve for manifolds	2	20
9	298S	Angle ball valve for manifolds with o-ring on the union	2	21

498

METAL BOX FOR MANIFOLDS



SIZE	CODE	PACKING
500x600x(80-130)	498500600	1/1
600x600x(80-130)	498600600	1/1
700x600x(80-130)	498700600	1/1
800x600x(80-130)	498800600	1/1
1000x600x(80-130)	4981000600	1/1
1100x600x(80-130)	4981100600	1/1

Complete with basement and support for floor installation.
Equipped with plaster protection.

Enclosure, telescopic door frame and door in zincplated steel.
The telescopic door frame and the door are painted.
Adjustable depth: from mm. 80 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Adjustable height: from mm. 700 to mm. 800.

498ST

MOUNTING BRACKETS IN STEEL FOR METAL BOXES ART. 498



Centres distance mm. 200.
Offset mm. 12.

SIZE	CODE	PACKING
3/4"	498ST034K	1/40
1"	498ST100K	1/40
1"1/4	498ST114K	1/40



Centres distance mm. 200.
Offset mm. 30.

SIZE	CODE	PACKING
1"	498ST100KM	1/40



Centres distance mm. 211.
Offset mm. 30.

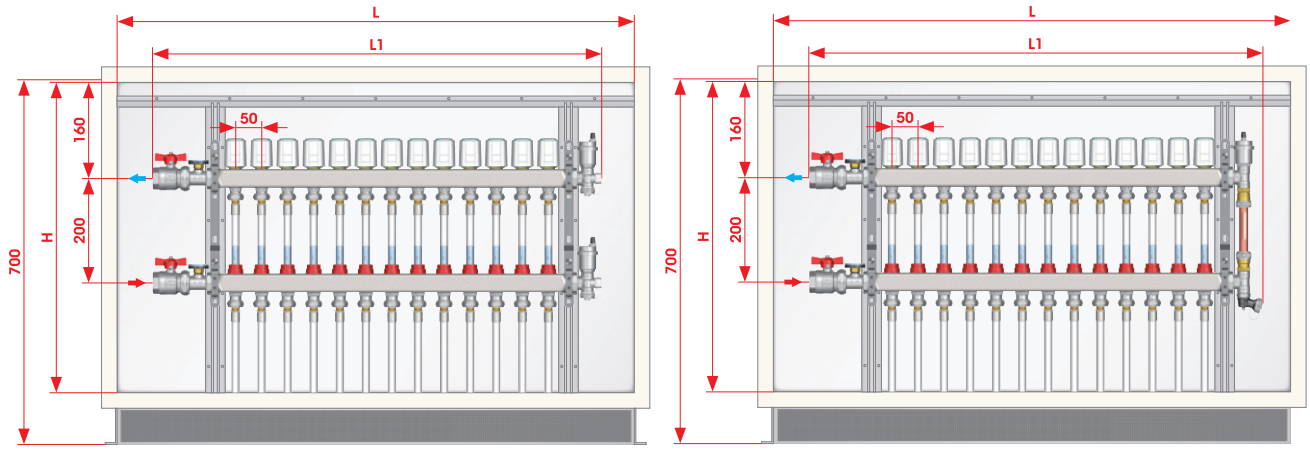
SIZE	CODE	PACKING
1"	498ST100KMB	1/40

The set includes a pair of brackets with screws and fixings.
For installation in box art. 498:
- 498STK: standard version. Offset: 12 mm. Suitable for outlets pipe up to 20mm.
- 498STKM: deeper version. Offset: 30 mm. Suitable for outlets pipe up to 25mm.
- 498STKMB: deeper version. Offset: 30 mm. Suitable for outlets pipe up to 25mm.

CERT

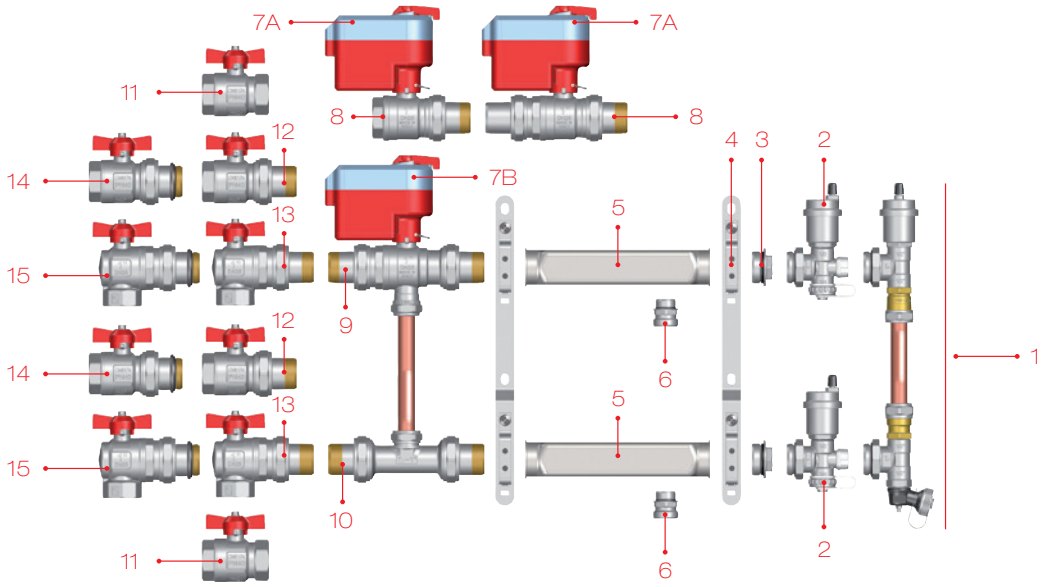
498ST

POSITIONING THE MANIFOLD ART. 862 INTO METAL BOXES



CODE	498.500.600	498.600.600	498.700.600	498.800.600	498.1000.600
LxH (mm)	500x600	600x600	700x600	800x600	1000x600
N° outlets	3-4	5-6	7-8	9-10	11-12-13
MANIFOLD	1”				
L1	425	525	625	725	875

ACCESSORIES CHART ART. 852 FOR METAL BOXES

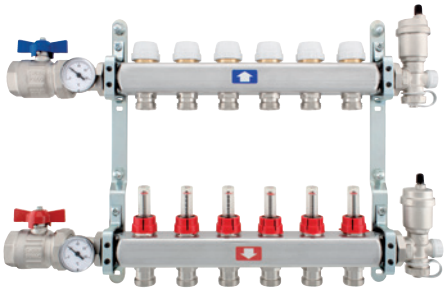


POS	ART	DESCRIPTION	CHP	PG.
1	860BY	Off-centre by-pass kit	5	112
2	489AR	Adjustable end piece with drain valve and automatic air vent valve	5	114
3	494	Male end cap with o-ring	5	120
4	498ST	Mounting brackets in steel for metal boxes	5	84
5	852	Stainless steel manifold	5	81
6	518	Male/male adapter	5	113
7A	990-991-989	Electric actuator for zone ball valves - Electric actuator for 2-way zone ball valves	5	71
7B	990-991	Electric actuator for zone ball valves	5	71
8	980-981	2-way zone ball valve - 2-way zone ball valve MM	5	72
9	984	3-way zone ball valve	5	72
10	988	By-pass kit for zone valves	5	73
11	092	Ball valve, T handle	2	19
12	098	Ball valve for manifold	2	20
13	298	Angle ball valve for manifold	2	21
14	098S	Ball valve for manifold with o-ring on the union	2	20
15	298S	Angle ball valve for manifold with o-ring on the union	2	21

100% TESTED

907C

COMPLETE PRE-ASSEMBLED MANIFOLD, WITH FLOW METERS



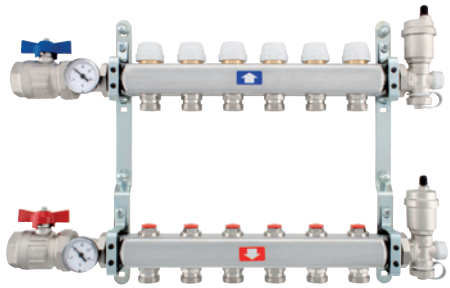
SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	6bar/87psi	9070010003034C	1/1
1"x3/4"x4	6bar/87psi	9070010004034C	1/1
1"x3/4"x5	6bar/87psi	9070010005034C	1/1
1"x3/4"x6	6bar/87psi	9070010006034C	1/1
1"x3/4"x7	6bar/87psi	9070010007034C	1/1
1"x3/4"x8	6bar/87psi	9070010008034C	1/1
1"x3/4"x9	6bar/87psi	9070010009034C	1/1
1"x3/4"x10	6bar/87psi	9070010010034C	1/1
1"x3/4"x11	6bar/87psi	9070010011034C	1/1
1"x3/4"x12	6bar/87psi	9070010012034C	1/1
1"x3/4"x13	6bar/87psi	9070010013034C	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 shut-off ball valves
2 unions with thermometers
2 end pieces with air vent valve and drain cock.
Available on demand with deeper mounting brackets art. 498ST (pg. 92) without extra-charge.

Available size: 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 3 to 13, 3/4” Eurokonus
Outlet centre distance: mm.50.
In case of use of electric actuators Art. 891M, 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



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9120010003034C	1/1
1"x3/4"x4	10bar/145psi	9120010004034C	1/1
1"x3/4"x5	10bar/145psi	9120010005034C	1/1
1"x3/4"x6	10bar/145psi	9120010006034C	1/1
1"x3/4"x7	10bar/145psi	9120010007034C	1/1
1"x3/4"x8	10bar/145psi	9120010008034C	1/1
1"x3/4"x9	10bar/145psi	9120010009034C	1/1
1"x3/4"x10	10bar/145psi	9120010010034C	1/1
1"x3/4"x11	10bar/145psi	9120010011034C	1/1
1"x3/4"x12	10bar/145psi	9120010012034C	1/1
1"x3/4"x13	10bar/145psi	9120010013034C	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
2 unions with thermometers
2 end pieces with air vent valve and drain cock
Available on demand with deeper mounting brackets art. 498ST (pg. 92) without extra-charge.

Available size: 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 3 to 13, 3/4” Eurokonus
Outlet centre distance: mm.50
In case of use of electric actuators Art. 891M, 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.

100% TESTED

917C

PRE-ASSEMBLED MANIFOLD WITH FLOW METERS



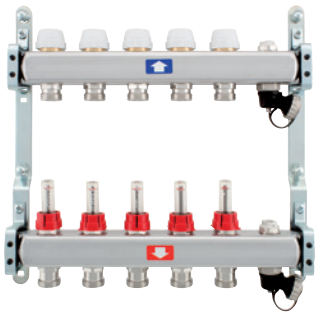
SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	6bar/87psi	9170010003034C	1/1
1"x3/4"x4	6bar/87psi	9170010004034C	1/1
1"x3/4"x5	6bar/87psi	9170010005034C	1/1
1"x3/4"x6	6bar/87psi	9170010006034C	1/1
1"x3/4"x7	6bar/87psi	9170010007034C	1/1
1"x3/4"x8	6bar/87psi	9170010008034C	1/1
1"x3/4"x9	6bar/87psi	9170010009034C	1/1
1"x3/4"x10	6bar/87psi	9170010010034C	1/1
1"x3/4"x11	6bar/87psi	9170010011034C	1/1
1"x3/4"x12	6bar/87psi	9170010012034C	1/1
1"x3/4"x13	6bar/87psi	9170010013034C	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 on demand with deeper mounting brackets art. 498ST (pg. 92) without extra-charge.

Available size: 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 3 to 13, 3/4” Eurokonus
Outlet centre distance: mm.50
In case of use of electric actuators Art. 891M, 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



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x2	6bar/87psi	9170010002034CDE	1/1
1"x3/4"x3	6bar/87psi	9170010003034CDE	1/1
1"x3/4"x4	6bar/87psi	9170010004034CDE	1/1
1"x3/4"x5	6bar/87psi	9170010005034CDE	1/1
1"x3/4"x6	6bar/87psi	9170010006034CDE	1/1
1"x3/4"x7	6bar/87psi	9170010007034CDE	1/1
1"x3/4"x8	6bar/87psi	9170010008034CDE	1/1
1"x3/4"x9	6bar/87psi	9170010009034CDE	1/1
1"x3/4"x10	6bar/87psi	9170010010034CDE	1/1
1"x3/4"x11	6bar/87psi	9170010011034CDE	1/1
1"x3/4"x12	6bar/87psi	9170010012034CDE	1/1

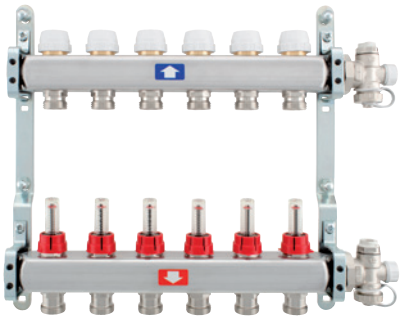
Consisting of:
1 return manifold in stainless steel AISI 304L with shut-off valves preset for electrothermal actuators
1 flow manifold in stainless steel AISI 304L with flow meters
2 complete metal brackets.
2 drain cocks
2 air vent valves
Available on demand with deeper mounting brackets art. 498ST (pg. 92) without extra-charge.

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

100% TESTED

918C

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



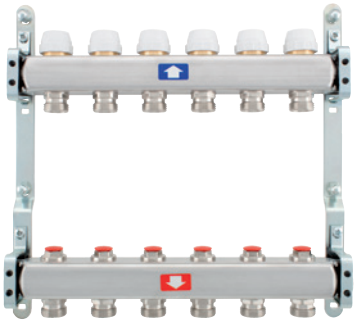
SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	6bar/87psi	9180010003034C	1/1
1"x3/4"x4	6bar/87psi	9180010004034C	1/1
1"x3/4"x5	6bar/87psi	9180010005034C	1/1
1"x3/4"x6	6bar/87psi	9180010006034C	1/1
1"x3/4"x7	6bar/87psi	9180010007034C	1/1
1"x3/4"x8	6bar/87psi	9180010008034C	1/1
1"x3/4"x9	6bar/87psi	9180010009034C	1/1
1"x3/4"x10	6bar/87psi	9180010010034C	1/1
1"x3/4"x11	6bar/87psi	9180010011034C	1/1
1"x3/4"x12	6bar/87psi	9180010012034C	1/1
1"x3/4"x13	6bar/87psi	9180010013034C	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 on demand with deeper mounting brackets art. 498ST (pg. 92) without extra-charge.

Available size: 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 3 to 13, 3/4” Eurokonus
Outlet centre distance: mm.50
In case of use of electric actuators Art. 891M, 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.

922C

PRE-ASSEMBLED MANIFOLD WITH LOCKSHIELDS





5

SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9220010003034C	1/1
1"x3/4"x4	10bar/145psi	9220010004034C	1/1
1"x3/4"x5	10bar/145psi	9220010005034C	1/1
1"x3/4"x6	10bar/145psi	9220010006034C	1/1
1"x3/4"x7	10bar/145psi	9220010007034C	1/1
1"x3/4"x8	10bar/145psi	9220010008034C	1/1
1"x3/4"x9	10bar/145psi	9220010009034C	1/1
1"x3/4"x10	10bar/145psi	9220010010034C	1/1
1"x3/4"x11	10bar/145psi	9220010011034C	1/1
1"x3/4"x12	10bar/145psi	9220010012034C	1/1
1"x3/4"x13	10bar/145psi	9220010013034C	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 on demand with deeper mounting brackets art. 498ST (pg. 92) without extra-charge.

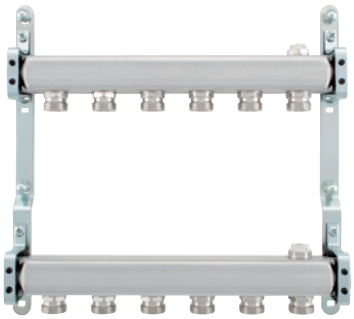
Available size: 1”
Maximum working pressure: 10 bar
Maximum working temperature: 80°C
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228)
Outlets: from 3 to 13, 3/4” Eurokonus
Outlet centre distance: mm.50
In case of use of electric actuators Art. 891M, it is suggested to use the off-centre by-pass kit Art. 860BY.
ATTENTION: manifolds will be supplied mounted on the brackets.

100% TESTED

927

922MO

PRE-ASSEMBLED MANIFOLD WITH AIR-VENT VALVES



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x2	10bar/145psi	9220010002034MO	1/1
1"x3/4"x3	10bar/145psi	9220010003034MO	1/1
1"x3/4"x4	10bar/145psi	9220010004034MO	1/1
1"x3/4"x5	10bar/145psi	9220010005034MO	1/1
1"x3/4"x6	10bar/145psi	9220010006034MO	1/1
1"x3/4"x7	10bar/145psi	9220010007034MO	1/1
1"x3/4"x8	10bar/145psi	9220010008034MO	1/1
1"x3/4"x9	10bar/145psi	9220010009034MO	1/1
1"x3/4"x10	10bar/145psi	9220010010034MO	1/1
1"x3/4"x11	10bar/145psi	9220010011034MO	1/1
1"x3/4"x12	10bar/145psi	9220010012034MO	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 on demand with deeper mounting brackets art. 498ST (pg. 92) without extra-charge.

Available size: 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
ATTENTION: manifolds will be supplied mounted on the brackets.

927

SINGLE MANIFOLD, WITH LOCKSHIELDS



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9270010003034	1/38
1"x3/4"x4	10bar/145psi	9270010004034	1/14
1"x3/4"x5	10bar/145psi	9270010005034	1/21
1"x3/4"x6	10bar/145psi	9270010006034	1/21
1"x3/4"x7	10bar/145psi	9270010007034	1/19
1"x3/4"x8	10bar/145psi	9270010008034	1/5
1"x3/4"x9	10bar/145psi	9270010009034	1/5
1"x3/4"x10	10bar/145psi	9270010010034	1/5
1"x3/4"x11	10bar/145psi	9270010011034	1/5
1"x3/4"x12	10bar/145psi	9270010012034	1/4
1"x3/4"x13	10bar/145psi	9270010013034	1/4

Distribution manifold in stainless steel AISI 304L.
Available size: 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 3 to 13, 3/4” Eurokonus
Outlet centre distance: mm.50.

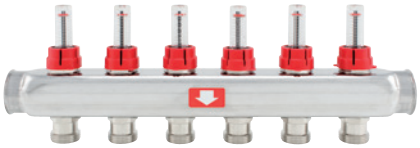
100% TESTED

932
937

937

932

SINGLE MANIFOLD, WITH FLOW METERS



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	6bar/87psi	9320010003034	1/38
1"x3/4"x4	6bar/87psi	9320010004034	1/14
1"x3/4"x5	6bar/87psi	9320010005034	1/21
1"x3/4"x6	6bar/87psi	9320010006034	1/21
1"x3/4"x7	6bar/87psi	9320010007034	1/12
1"x3/4"x8	6bar/87psi	9320010008034	1/4
1"x3/4"x9	6bar/87psi	9320010009034	1/4
1"x3/4"x10	6bar/87psi	9320010010034	1/4
1"x3/4"x11	6bar/87psi	9320010011034	1/4
1"x3/4"x12	6bar/87psi	9320010012034	1/4
1"x3/4"x13	6bar/87psi	9320010013034	1/4

Distribution manifold in stainless steel AISI 304L.
Available size: 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 3 to 13, 3/4” Eurokonus
Outlet centre distance: mm.50

937

SINGLE MANIFOLD, WITH SHUT-OFF VALVES PRESET FOR ELECTROTHERMAL ACTUATORS - WITH HANDLES



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9370010003034	1/21
1"x3/4"x4	10bar/145psi	9370010004034	1/14
1"x3/4"x5	10bar/145psi	9370010005034	1/21
1"x3/4"x6	10bar/145psi	9370010006034	1/10
1"x3/4"x7	10bar/145psi	9370010007034	1/16
1"x3/4"x8	10bar/145psi	9370010008034	1/5
1"x3/4"x9	10bar/145psi	9370010009034	1/5
1"x3/4"x10	10bar/145psi	9370010010034	1/5
1"x3/4"x11	10bar/145psi	9370010011034	1/5
1"x3/4"x12	10bar/145psi	9370010012034	1/4
1"x3/4"x13	10bar/145psi	9370010013034	1/4

Distribution manifold in stainless steel AISI 304L.
Available size: 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 3 to 13, 3/4” Eurokonus
Outlet centre distance: mm.50

100% TESTED

942

SINGLE MANIFOLD, WITH SHUT-OFF VALVES PRESET FOR ELECTROTHERMAL ACTUATORS - WITH CAPS



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9420010003034	1/21
1"x3/4"x4	10bar/145psi	9420010004034	1/14
1"x3/4"x5	10bar/145psi	9420010005034	1/21
1"x3/4"x6	10bar/145psi	9420010006034	1/10
1"x3/4"x7	10bar/145psi	9420010007034	1/17
1"x3/4"x8	10bar/145psi	9420010008034	1/5
1"x3/4"x9	10bar/145psi	9420010009034	1/5
1"x3/4"x10	10bar/145psi	9420010010034	1/5
1"x3/4"x11	10bar/145psi	9420010011034	1/5
1"x3/4"x12	10bar/145psi	9420010012034	1/4
1"x3/4"x13	10bar/145psi	9420010013034	1/4

Distribution manifold in stainless steel AISI 304L.
Available size: 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 3 to 13, 3/4” Eurokonus
Outlet centre distance: mm.50

947

SINGLE MANIFOLD, WITH 3/4" EUROKONUS OUTLETS



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9470010003034	2/42
1"x3/4"x4	10bar/145psi	9470010004034	2/28
1"x3/4"x5	10bar/145psi	9470010005034	2/20
1"x3/4"x6	10bar/145psi	9470010006034	2/20
1"x3/4"x7	10bar/145psi	9470010007034	2/10
1"x3/4"x8	10bar/145psi	9470010008034	2/10
1"x3/4"x9	10bar/145psi	9470010009034	2/10
1"x3/4"x10	10bar/145psi	9470010010034	2/10
1"x3/4"x11	10bar/145psi	9470010011034	2/10
1"x3/4"x12	10bar/145psi	9470010012034	2/8
1"x3/4"x13	10bar/145psi	9470010013034	2/8

Distribution manifold in stainless steel AISI 304L.
Available size: 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 3 to 13, 3/4” Eurokonus
Outlet centre distance: mm.50

498

METAL BOX FOR MANIFOLDS



SIZE	CODE	PACKING
500x600x(80-130)	498500600	1/1
600x600x(80-130)	498600600	1/1
700x600x(80-130)	498700600	1/1
800x600x(80-130)	498800600	1/1
1000x600x(80-130)	4981000600	1/1
1100x600x(80-130)	4981100600	1/1

Complete with basement and support for floor installation.
Equipped with plaster protection.

Enclosure, telescopic door frame and door in zincplated steel.
The telescopic door frame and the door are painted.
Adjustable depth: from mm. 80 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Adjustable height: from mm. 700 to mm. 800.

498ST

MOUNTING BRACKETS IN STEEL FOR METAL BOXES ART. 498



Centres distance mm. 200.
Offset mm. 12.

SIZE	CODE	PACKING
3/4"	498ST034K	1/40
1"	498ST100K	1/40
1"1/4	498ST114K	1/40



Centres distance mm. 200.
Offset mm. 30.

SIZE	CODE	PACKING
1"	498ST100KM	1/40



Centres distance mm. 211.
Offset mm. 30.

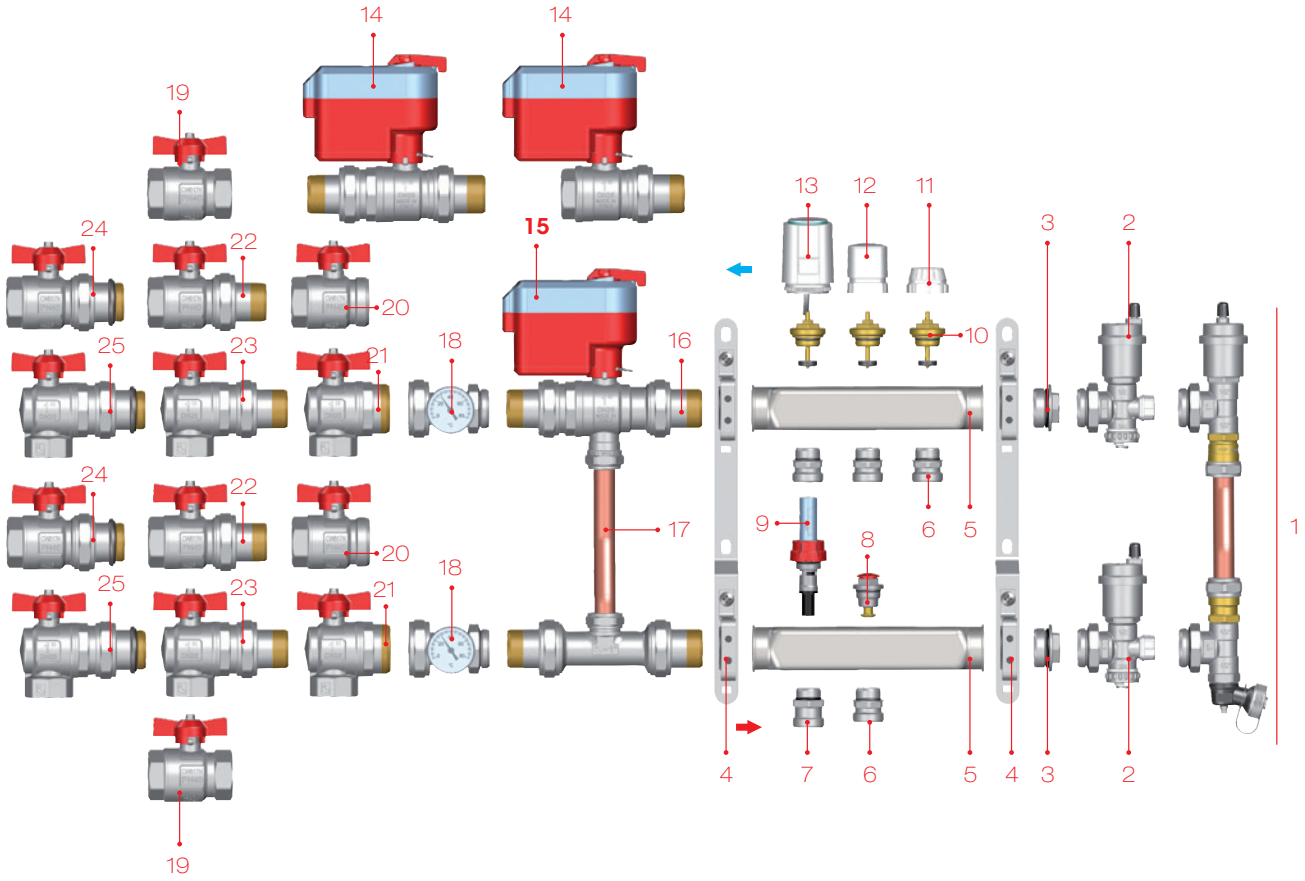
SIZE	CODE	PACKING
1"	498ST100KMB	1/40

The set includes a pair of brackets with screws and fixings.
For installation in box art. 498:
- 498STK: standard version. Offset: 12 mm. Suitable for outlets pipe up to 20mm.
- 498STKM: deeper version. Offset: 30 mm. Suitable for outlets pipe up to 25mm.
- 498STKMB: deeper version. Offset: 30 mm. Suitable for outlets pipe up to 25mm.

CERT

498ST

ACCESSORIES CHART ART. 862 MANIFOLDS IN METAL BOXES



POS	ART	DESCRIPTION	CHP	PG.
1	860BY	Off-centre by-pass kit	5	112
2	489AR	Adjustable end piece with drain valve and automatic air vent valve	5	114
3	494	Male end cap	5	120
4	498ST	Mounting brackets in steel for metal boxes	5	92
5	862	Stainless steel manifold	5	81
6	518	Male/male adapter 1"	5	113
7	471	Adapter for flow meters - 1"	5	113
8	Vitonde	Lockshield	-	-
9	471FL	Flow meter	5	113
10	Vitonvat	Convertible control spindle	-	-
11	894CP	Protection cap	-	-
12	894VM	Handle	-	-
13	891M	Electrothermal actuator	5	112
14	990 - 991 989	Electric actuator for zone ball valves - Electric actuator for 2-way zone ball valves	5	71
15	990 - 991	Electric actuator for zone ball valves	5	71
16	984	3-way zone ball valve	5	72
17	988	By-pass kit for zone valves	5	73
18	492BC	Thermometer union complete with themometer	5	119
19	092	Ball valve, T handle	2	19
20	098SDC	Ball valve for manifolds without union	2	20
21	298SDC	Angle ball valve for manifolds without union	2	21
22	098	Ball valve for manifolds	2	20
23	298	Angle ball valve for manifolds	2	21
24	098S	Ball valve for manifolds with o-ring on the union	2	20
25	298S	Angle ball valve for manifolds with o-ring on the union	2	21

INFO

Nickel-plated distribution manifold made out of profiled brass bars with female outlets, suitable for fittings for copper, PEX, polybutylene or multilayer piping.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Size of the outlets: 1/2" F.

850/38

NICKEL-PLATED DISTRIBUTION MANIFOLD MADE OUT OF BRASS BAR





Available on demand.

Centres distance mm. 38.

SIZE	PRESSURE	CODE	PACKING
3/4" x 2	10bar/145psi	85000340238	1/90
3/4" x 3	10bar/145psi	85000340338	1/60
3/4" x 4	10bar/145psi	85000340438	1/45
3/4" x 5	10bar/145psi	85000340538	1/36
3/4" x 6	10bar/145psi	85000340638	1/30
3/4" x 7	10bar/145psi	85000340738	1/28
3/4" x 8	10bar/145psi	85000340838	1/21
3/4" x 9	10bar/145psi	85000340938	1/21
3/4" x 10	10bar/145psi	85000341038	1/20

SIZE	PRESSURE	CODE	PACKING
1" x 2	10bar/145psi	85001000238	1/66
1" x 3	10bar/145psi	85001000338	1/46
1" x 4	10bar/145psi	85001000438	1/48
1" x 5	10bar/145psi	85001000538	1/40
1" x 6	10bar/145psi	85001000638	1/30
1" x 7	10bar/145psi	85001000738	1/24
1" x 8	10bar/145psi	85001000838	1/24
1" x 9	10bar/145psi	85001000938	1/24
1" x 10	10bar/145psi	85001001038	1/20
1" x 11	10bar/145psi	85001001138	1/18
1" x 12	10bar/145psi	85001001238	1/16

850/50

NICKEL-PLATED DISTRIBUTION MANIFOLD MADE OUT OF BRASS BAR





Available on demand.

Centres distance mm. 50.

SIZE	PRESSURE	CODE	PACKING
3/4" x 2	10bar/145psi	85000340250	1/75
3/4" x 3	10bar/145psi	85000340350	1/48
3/4" x 4	10bar/145psi	85000340450	1/36
3/4" x 5	10bar/145psi	85000340550	1/30
3/4" x 6	10bar/145psi	85000340650	1/24
3/4" x 7	10bar/145psi	85000340750	1/21
3/4" x 8	10bar/145psi	85000340850	1/20
3/4" x 9	10bar/145psi	85000340950	1/18
3/4" x 10	10bar/145psi	85000341050	1/15

SIZE	PRESSURE	CODE	PACKING
1" x 2	10bar/145psi	85001000250	1/60
1" x 3	10bar/145psi	85001000350	1/52
1" x 4	10bar/145psi	85001000450	1/40
1" x 5	10bar/145psi	85001000550	1/30
1" x 6	10bar/145psi	85001000650	1/24
1" x 7	10bar/145psi	85001000750	1/20
1" x 8	10bar/145psi	85001000850	1/20
1" x 9	10bar/145psi	85001000950	1/18
1" x 10	10bar/145psi	85001001050	1/16
1" x 11	10bar/145psi	85001001150	1/12
1" x 12	10bar/145psi	85001001250	1/12

SIZE	PRESSURE	CODE	PACKING
1"1/4 x 2	10bar/145psi	85001140250	1/48
1"1/4 x 3	10bar/145psi	85001140350	1/30
1"1/4 x 4	10bar/145psi	85001140450	1/24
1"1/4 x 5	10bar/145psi	85001140550	1/21
1"1/4 x 6	10bar/145psi	85001140650	1/16
1"1/4 x 7	10bar/145psi	85001140750	1/16
1"1/4 x 8	10bar/145psi	85001140850	1/12
1"1/4 x 9	10bar/145psi	85001140950	1/12
1"1/4 x 10	10bar/145psi	85001141050	1/9
1"1/4 x 11	10bar/145psi	85001141150	1/9
1"1/4 x 12	10bar/145psi	85001141250	1/9



CERT

850/38
850/50

INFO

Nickel-plated distribution manifold made out of profiled brass bars with female outlets, suitable for fittings for copper, PEX, polybutylene or multilayer piping.
Maximum working temperature: 110°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Size of the outlets: 1/2" F.

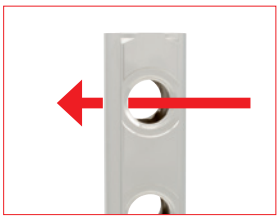
860

NICKEL-PLATED DISTRIBUTION MANIFOLD MADE OUT OF BRASS BAR, BILATERAL OUTLETS





Available on demand.



Centres distance mm. 50.

SIZE	PRESSURE	CODE	PACKING
1" x 2	10bar/145psi	86001000250	1/60
1" x 3	10bar/145psi	86001000350	1/52
1" x 4	10bar/145psi	86001000450	1/40
1" x 5	10bar/145psi	86001000550	1/30
1" x 6	10bar/145psi	86001000650	1/24
1" x 7	10bar/145psi	86001000750	1/20
1" x 8	10bar/145psi	86001000850	1/20
1" x 9	10bar/145psi	86001000950	1/18
1" x 10	10bar/145psi	86001001050	1/16
1" x 11	10bar/145psi	86001001150	1/12
1" x 12	10bar/145psi	86001001250	1/12

SIZE	PRESSURE	CODE	PACKING
1"1/4 x 2	10bar/145psi	86001140250	1/48
1"1/4 x 3	10bar/145psi	86001140350	1/30
1"1/4 x 4	10bar/145psi	86001140450	1/24
1"1/4 x 5	10bar/145psi	86001140550	1/21
1"1/4 x 6	10bar/145psi	86001140650	1/16
1"1/4 x 7	10bar/145psi	86001140750	1/16
1"1/4 x 8	10bar/145psi	86001140850	1/12
1"1/4 x 9	10bar/145psi	86001140950	1/12
1"1/4 x 10	10bar/145psi	86001141050	1/9
1"1/4 x 11	10bar/145psi	86001141150	1/9
1"1/4 x 12	10bar/145psi	86001141250	1/9

CERT

860

499

UNIVERSAL PLASTIC BOX FOR MANIFOLDS



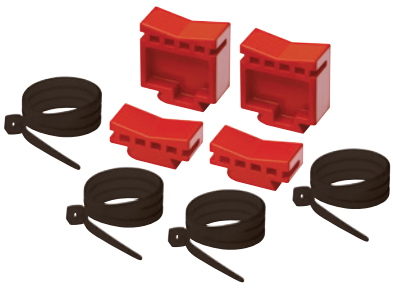
SIZE	CODE	PACKING
350x350x90	499350350	1/1
500x350x90	499500350	1/1
650x350x90	499650350	1/1
800x400x95	499800400	1/1

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

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



CODE	PACKING
499CS	1/50

Consisting of: 2 long brackets, 2 short brackets, 4 plastic strips.
Suitable for simple forged or cast manifolds.

499CC

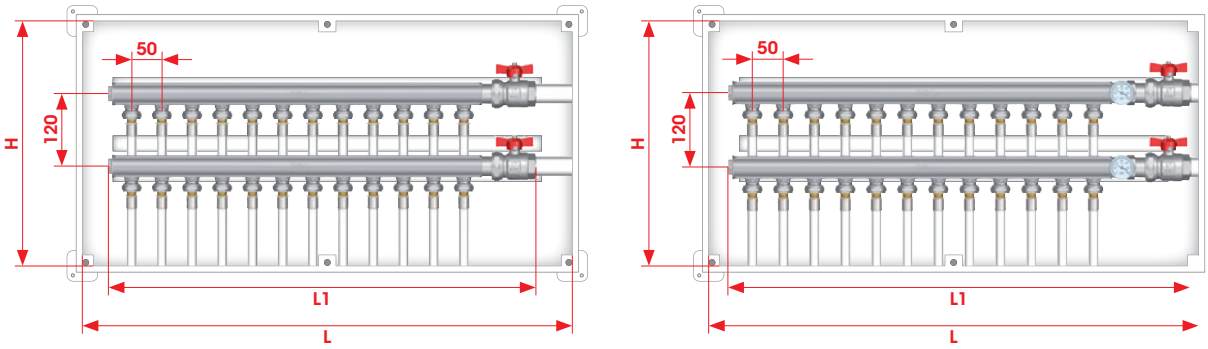
SET TO FIX DUAL MANIFOLDS TO THE PLASTIC BOX



CODE	PACKING
499CC	1/50

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

POSITIONING THE MANIFOLD ART. 850 INTO PLASTIC BOXES

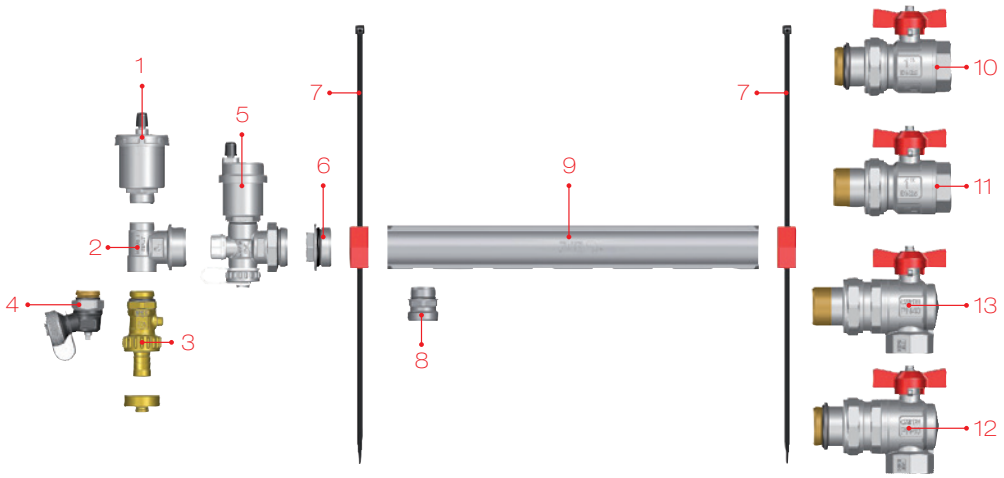


CODE	499.350.350	499.500.350	499.650.350	499.800.400
LxH (mm)	350x350	500x350	650x350	800x400
N° outlets	5	8	10	
MANIFOLD	3/4"			
L1	330	480	580	

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
MANIFOLD	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
MANIFOLD	1"1/4			
L1	300	450	600	750

ACCESSORIES CHART ART. 850 FOR PLASTIC BOX



POS	ART	DESCRIPTION	CHP	PG.
1	362/362R	Automatic air vent valve	5	123
2	490	Male 3-way end fitting for manifold	5	118
3	139	Drain ball valve with brass hose connection	2	34
4	489SO	Adjustable drain cock	5	115
5	489AR	Adjustable end piece with drain valve and automatic air vent valve	5	114
6	494	Male end cap with o-ring	5	120
7	499CS	Set to fix simple manifolds to box	5	96
8	518	Male/male adapter	5	113
9	850	Distribution manifold made out of brass bar	2	94
10	098S	Ball valve for manifolds with o-ring on the union	2	20
11	098	Ball valve for manifolds	2	20
12	298S	Angle ball valve for manifolds with o-ring on the union	2	21
13	298	Angle ball valve for manifolds	2	21

498

METAL BOX FOR MANIFOLDS



SIZE	CODE	PACKING
500x600x(80-130)	498500600	1/1
600x600x(80-130)	498600600	1/1
700x600x(80-130)	498700600	1/1
800x600x(80-130)	498800600	1/1
1000x600x(80-130)	4981000600	1/1
1100x600x(80-130)	4981100600	1/1

Complete with basement and support for floor installation.
Equipped with plaster protection.

Enclosure, telescopic door frame and door in zincplated steel.
The telescopic door frame and the door are painted.
Adjustable depth: from mm. 80 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Adjustable height: from mm. 700 to mm. 800.

498ST

MOUNTING BRACKETS IN STEEL FOR METAL BOXES ART. 498



Centres distance mm. 200.
Offset mm. 12.

SIZE	CODE	PACKING
3/4"	498ST034K	1/40
1"	498ST100K	1/40
1"1/4	498ST114K	1/40



Centres distance mm. 200.
Offset mm. 30.

SIZE	CODE	PACKING
1"	498ST100KM	1/40



Centres distance mm. 211.
Offset mm. 30.

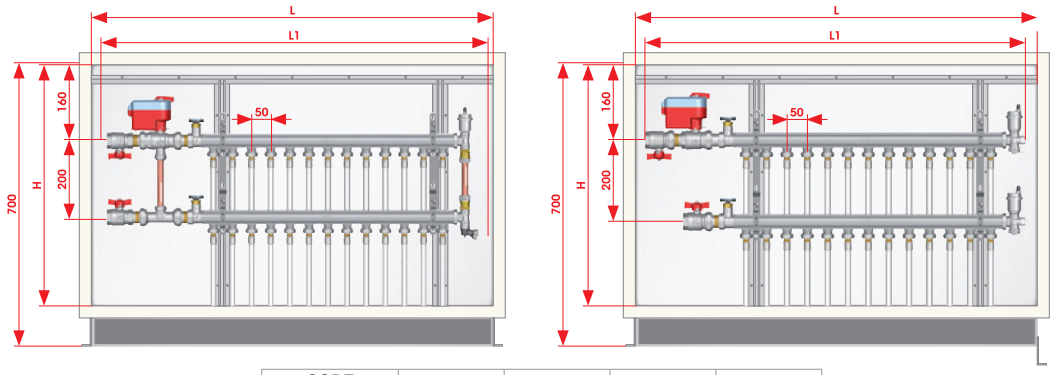
SIZE	CODE	PACKING
1"	498ST100KMB	1/40

The set includes a pair of brackets with screws and fixings.
For installation in box art. 498:
- 498STK: standard version. Offset: 12 mm. Suitable for outlets pipe up to 20mm.
- 498STKM: deeper version. Offset: 30 mm. Suitable for outlets pipe up to 25mm.
- 498STKMB: deeper version. Offset: 30 mm. Suitable for outlets pipe up to 25mm.

CERT

498ST

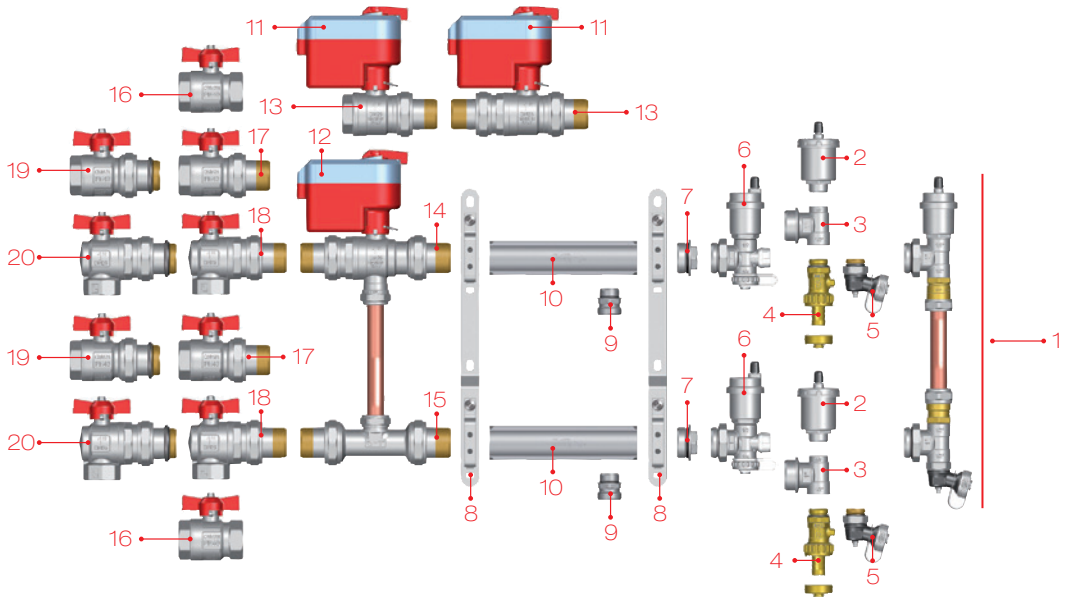
POSITIONING THE MANIFOLD ART. 850 INTO METAL BOXES



CODE	498.500.600	498.600.600	498.700.600	498.800.600
LxH (mm)	500x600	600x600	700x600	800x600
N° outlets	3-4	5-6	7-8	9-10
MANIFOLD	3/4"			
L1	435	535	635	735

CODE	498.600.600	498.700.600	498.800.600	498.1000.600	498.1100.600
LxH (mm)	600x600	700x600	800x600	1000x600	1100x600
N° outlets	3-4	5-6	7-8	9-10	11-12-13
MANIFOLD	1" - 1"1/4				
L1	530	630	730	830	980

ACCESSORIES CHART ART. 850 FOR PLASTIC BOXES



POS	ART	DESCRIPTION	CHP	PG.
1	860BY	Off-centre by-pass kit	5	112
2	362-362R	Automatic air vent valve	5	123
3	490	Male 3-way end fitting for manifolds	5	118
4	139	Drain ball valve with brass hose connection	2	34
5	489SO	Adjustable drain cock	5	115
6	489AR	Adjustable end piece with drain valve and automatic air vent valve	5	114
7	494	Male end cap with o-ring	5	120
8	498ST	Mounting brackets in steel for metal boxes	5	98
9	518	Male/male adapter	5	113
10	850	Distribution manifold in brass bar	5	94
11	990 - 991 / 989	Electric actuator for zone ball valves - Electric actuator for 2-way zone ball valves	5	71
12	990 - 991	Electric actuator for zone ball valves	5	71
13	980 - 981	2-way zone ball valve - 2-way zone ball valve M/M	5	72
14	984	3-way zone ball valve	5	72
15	988	By-pass kit for zone ball valves	5	73
16	092	Ball valve, T handle	2	19
17	098	Ball valve for manifolds	2	20
18	298	Angle ball valve for manifolds	2	21
19	098S	Ball valve for manifolds with o-ring on the union	2	20
20	298S	Angle ball valve for manifolds with o-ring on the union	2	21

100% TESTED

905C
910C

905C

COMPLETE PRE-ASSEMBLED MANIFOLD, WITH FLOW METERS



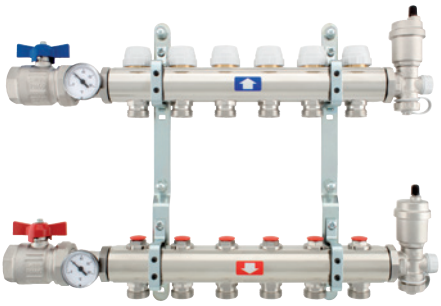
SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	6bar/87psi	9050010003034C	1/1
1"x3/4"x4	6bar/87psi	9050010004034C	1/1
1"x3/4"x5	6bar/87psi	9050010005034C	1/1
1"x3/4"x6	6bar/87psi	9050010006034C	1/1
1"x3/4"x7	6bar/87psi	9050010007034C	1/1
1"x3/4"x8	6bar/87psi	9050010008034C	1/1
1"x3/4"x9	6bar/87psi	9050010009034C	1/1
1"x3/4"x10	6bar/87psi	9050010010034C	1/1
1"x3/4"x11	6bar/87psi	9050010011034C	1/1
1"x3/4"x12	6bar/87psi	9050010012034C	1/1
1"x3/4"x13	6bar/87psi	9050010013034C	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. - 2 unions 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 3 to 13, 3/4" Eurokonus
Outlet centre distance: mm.50
Available on demand with deeper mounting brackets art. 498ST (pg.105) without extra charge.
Available on demand with 1/2" outlets.
In case of use of electric actuators Art. 891M, 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



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9100010003034C	1/1
1"x3/4"x4	10bar/145psi	9100010004034C	1/1
1"x3/4"x5	10bar/145psi	9100010005034C	1/1
1"x3/4"x6	10bar/145psi	9100010006034C	1/1
1"x3/4"x7	10bar/145psi	9100010007034C	1/1
1"x3/4"x8	10bar/145psi	9100010008034C	1/1
1"x3/4"x9	10bar/145psi	9100010009034C	1/1
1"x3/4"x10	10bar/145psi	9100010010034C	1/1
1"x3/4"x11	10bar/145psi	9100010011034C	1/1
1"x3/4"x12	10bar/145psi	9100010012034C	1/1
1"x3/4"x13	10bar/145psi	9100010013034C	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. -2 unions with thermometer. -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 3 to 13, 3/4" Eurokonus
Outlet centre distance: mm.50
Available on demand with deeper mounting brackets art. 498ST (pg.105) without extra charge.
Available on demand with 1/2" outlets.
In case of use of electric actuators Art. 891M, 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.

100% TESTED

915C
916C

915C

PRE-ASSEMBLED MANIFOLD WITH FLOW METERS



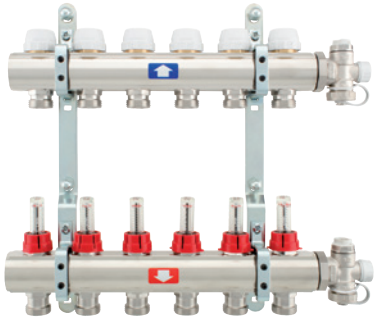
SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	6bar/87psi	9150010003034C	1/1
1"x3/4"x4	6bar/87psi	9150010004034C	1/1
1"x3/4"x5	6bar/87psi	9150010005034C	1/1
1"x3/4"x6	6bar/87psi	9150010006034C	1/1
1"x3/4"x7	6bar/87psi	9150010007034C	1/1
1"x3/4"x8	6bar/87psi	9150010008034C	1/1
1"x3/4"x9	6bar/87psi	9150010009034C	1/1
1"x3/4"x10	6bar/87psi	9150010010034C	1/1
1"x3/4"x11	6bar/87psi	9150010011034C	1/1
1"x3/4"x12	6bar/87psi	9150010012034C	1/1
1"x3/4"x13	6bar/87psi	9150010013034C	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 3 to 13, 3/4" Eurokonus
Outlet centre distance: mm.50
Available on demand with deeper mounting brackets art. 498ST (pg.105) without extra charge.
Available on demand with 1/2" outlets.
In case of use of electric actuators Art. 891M, 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 VALVES AND DRAIN COCKS



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	6bar/87psi	9160010003034C	1/1
1"x3/4"x4	6bar/87psi	9160010004034C	1/1
1"x3/4"x5	6bar/87psi	9160010005034C	1/1
1"x3/4"x6	6bar/87psi	9160010006034C	1/1
1"x3/4"x7	6bar/87psi	9160010007034C	1/1
1"x3/4"x8	6bar/87psi	9160010008034C	1/1
1"x3/4"x9	6bar/87psi	9160010009034C	1/1
1"x3/4"x10	6bar/87psi	9160010010034C	1/1
1"x3/4"x11	6bar/87psi	9160010011034C	1/1
1"x3/4"x12	6bar/87psi	9160010012034C	1/1
1"x3/4"x13	6bar/87psi	9160010013034C	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 3 to 13, 3/4" Eurokonus
Outlet centre distance: mm.50
Available on demand with deeper mounting brackets art. 498ST (pg.105) without extra charge.
Available on demand with 1/2" outlets.
In case of use of electric actuators Art. 891M, 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.

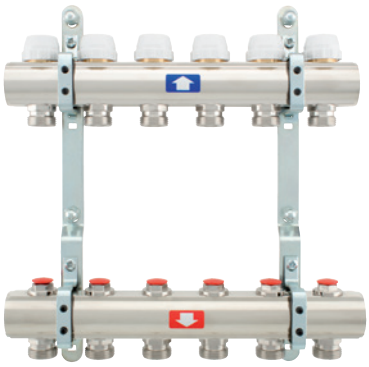
100% TESTED

920C 925

920C

920C

PRE-ASSEMBLED MANIFOLD WITH LOCKSHIELDS



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9200010003034C	1/1
1"x3/4"x4	10bar/145psi	9200010004034C	1/1
1"x3/4"x5	10bar/145psi	9200010005034C	1/1
1"x3/4"x6	10bar/145psi	9200010006034C	1/1
1"x3/4"x7	10bar/145psi	9200010007034C	1/1
1"x3/4"x8	10bar/145psi	9200010008034C	1/1
1"x3/4"x9	10bar/145psi	9200010009034C	1/1
1"x3/4"x10	10bar/145psi	9200010010034C	1/1
1"x3/4"x11	10bar/145psi	9200010011034C	1/1
1"x3/4"x12	10bar/145psi	9200010012034C	1/1
1"x3/4"x13	10bar/145psi	9200010013034C	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 3 to 13, 3/4" Eurokonus
Outlet centre distance: mm.50
Available on demand with deeper mounting brackets art. 498ST (pg.105) without extra charge.
Available on demand with 1/2" outlets.
In case of use of electric actuators Art. 891M, 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



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9250010003034	1/21
1"x3/4"x4	10bar/145psi	9250010004034	1/21
1"x3/4"x5	10bar/145psi	9250010005034	1/14
1"x3/4"x6	10bar/145psi	9250010006034	1/10
1"x3/4"x7	10bar/145psi	9250010007034	1/10
1"x3/4"x8	10bar/145psi	9250010008034	1/5
1"x3/4"x9	10bar/145psi	9250010009034	1/5
1"x3/4"x10	10bar/145psi	9250010010034	1/5
1"x3/4"x11	10bar/145psi	9250010011034	1/5
1"x3/4"x12	10bar/145psi	9250010012034	1/5
1"x3/4"x13	10bar/145psi	9250010013034	1/4

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 3 to 13, 3/4" Eurokonus
Outlet centre distance: mm.50
Available on demand with 1/2" outlets.

100% TESTED

930
935

930

SINGLE MANIFOLD WITH FLOW METERS



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	6bar/87psi	9300010003034	1/21
1"x3/4"x4	6bar/87psi	9300010004034	1/21
1"x3/4"x5	6bar/87psi	9300010005034	1/10
1"x3/4"x6	6bar/87psi	9300010006034	1/10
1"x3/4"x7	6bar/87psi	9300010007034	1/10
1"x3/4"x8	6bar/87psi	9300010008034	1/5
1"x3/4"x9	6bar/87psi	9300010009034	1/5
1"x3/4"x10	6bar/87psi	9300010010034	1/5
1"x3/4"x11	6bar/87psi	9300010011034	1/5
1"x3/4"x12	6bar/87psi	9300010012034	1/5
1"x3/4"x13	6bar/87psi	9300010013034	1/4

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 3 to 13, 3/4" Eurokonus
Outlet centre distance: mm.50
Available on demand with 1/2" outlets.

935

SINGLE MANIFOLD WITH SHUT-OFF VALVES PRESET FOR ELECTROTHERMAL ACTUATORS - WITH HANDLES



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9350010003034	1/21
1"x3/4"x4	10bar/145psi	9350010004034	1/21
1"x3/4"x5	10bar/145psi	9350010005034	1/10
1"x3/4"x6	10bar/145psi	9350010006034	1/10
1"x3/4"x7	10bar/145psi	9350010007034	1/10
1"x3/4"x8	10bar/145psi	9350010008034	1/5
1"x3/4"x9	10bar/145psi	9350010009034	1/5
1"x3/4"x10	10bar/145psi	9350010010034	1/5
1"x3/4"x11	10bar/145psi	9350010011034	1/5
1"x3/4"x12	10bar/145psi	9350010012034	1/5
1"x3/4"x13	10bar/145psi	9350010013034	1/4

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 3 to 13, 3/4" Eurokonus
Outlet centre distance: mm.50
Available on demand with 1/2" outlets.

100% TESTED

940 945

945

940

SINGLE MANIFOLD WITH SHUT-OFF VALVES PRESET FOR ELECTROTHERMAL ACTUATORS - WITH CAPS



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9400010003034	1/21
1"x3/4"x4	10bar/145psi	9400010004034	1/21
1"x3/4"x5	10bar/145psi	9400010005034	1/10
1"x3/4"x6	10bar/145psi	9400010006034	1/10
1"x3/4"x7	10bar/145psi	9400010007034	1/10
1"x3/4"x8	10bar/145psi	9400010008034	1/5
1"x3/4"x9	10bar/145psi	9400010009034	1/5
1"x3/4"x10	10bar/145psi	9400010010034	1/5
1"x3/4"x11	10bar/145psi	9400010011034	1/5
1"x3/4"x12	10bar/145psi	9400010012034	1/5
1"x3/4"x13	10bar/145psi	9400010013034	1/4

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 3 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



SIZE	PRESSURE	CODE	PACKING
1"x3/4"x3	10bar/145psi	9450010003034	2/30
1"x3/4"x4	10bar/145psi	9450010004034	2/16
1"x3/4"x5	10bar/145psi	9450010005034	2/16
1"x3/4"x6	10bar/145psi	9450010006034	2/10
1"x3/4"x7	10bar/145psi	9450010007034	2/10
1"x3/4"x8	10bar/145psi	9450010008034	2/10
1"x3/4"x9	10bar/145psi	9450010009034	2/10
1"x3/4"x10	10bar/145psi	9450010010034	2/10
1"x3/4"x11	10bar/145psi	9450010011034	2/8
1"x3/4"x12	10bar/145psi	9450010012034	2/8
1"x3/4"x13	10bar/145psi	9450010013034	2/8

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 3 to 13, 3/4" Eurokonus
Outlet centre distance: mm.50

498

METAL BOX FOR MANIFOLDS



SIZE	CODE	PACKING
500x600x(80-130)	498500600	1/1
600x600x(80-130)	498600600	1/1
700x600x(80-130)	498700600	1/1
800x600x(80-130)	498800600	1/1
1000x600x(80-130)	4981000600	1/1
1100x600x(80-130)	4981100600	1/1

Complete with basement and support for floor installation.
Equipped with plaster protection.

Enclosure, telescopic door frame and door in zincplated steel.
The telescopic door frame and the door are painted.
Adjustable depth: from mm. 80 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Adjustable height: from mm. 700 to mm. 800.

498ST

MOUNTING BRACKETS IN STEEL FOR METAL BOXES ART. 498



SIZE	CODE	PACKING
3/4"	498ST034K	1/40
1"	498ST100K	1/40
1"1/4	498ST114K	1/40

Centres distance mm. 200.
Offset mm. 12.



SIZE	CODE	PACKING
1"	498ST100KM	1/40

Centres distance mm. 200.
Offset mm. 30.



SIZE	CODE	PACKING
1"	498ST100KMB	1/40

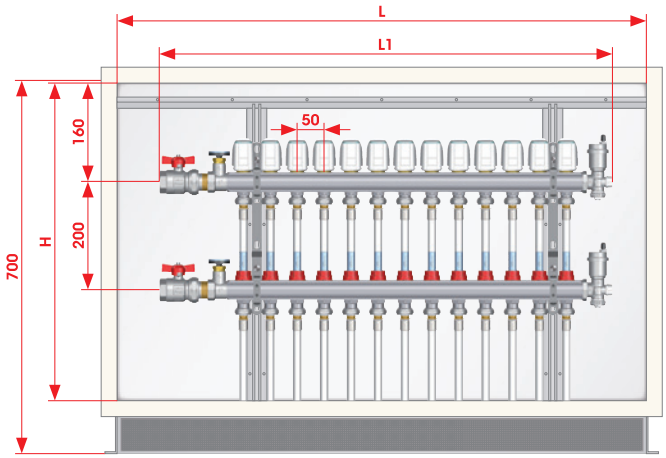
Centres distance mm. 211.
Offset mm. 30.

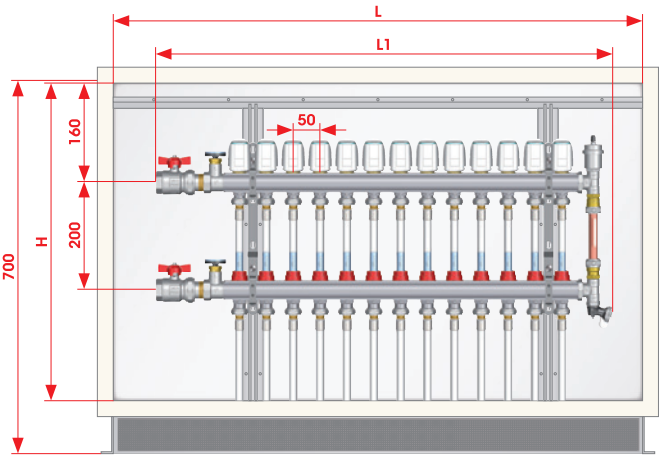
The set includes a pair of brackets with screws and fixings.
For installation in box art. 498:
- 498STK: standard version. Offset: 12 mm. Suitable for outlets pipe up to 20mm.
- 498STKM: deeper version. Offset: 30 mm. Suitable for outlets pipe up to 25mm.
- 498STKMB: deeper version. Offset: 30 mm. Suitable for outlets pipe up to 25mm.

CERT

498ST

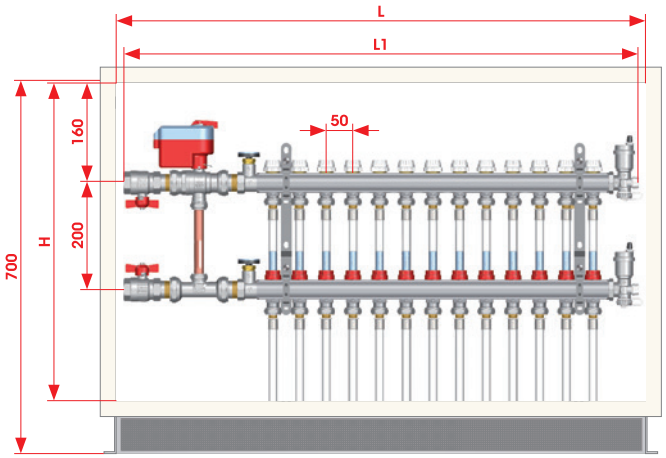
POSITIONING THE MANIFOLD ART. 860 INTO METAL BOXES

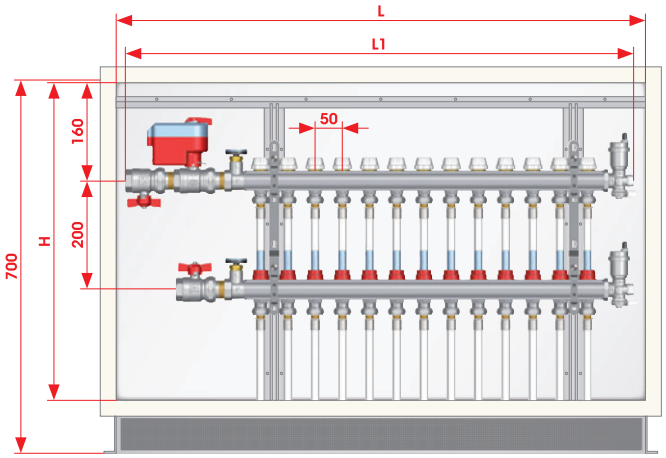




CODE	498.500.600	498.600.600	498.700.600	498.800.600	498.1000.600
LxH (mm)	500x600	600x600	700x600	800x600	1000x600
N° outlets	3-4	5-6	7-8	9-10	11-12-13
MANIFOLD	1" - 1"1/4				
L1	415	515	615	715	815

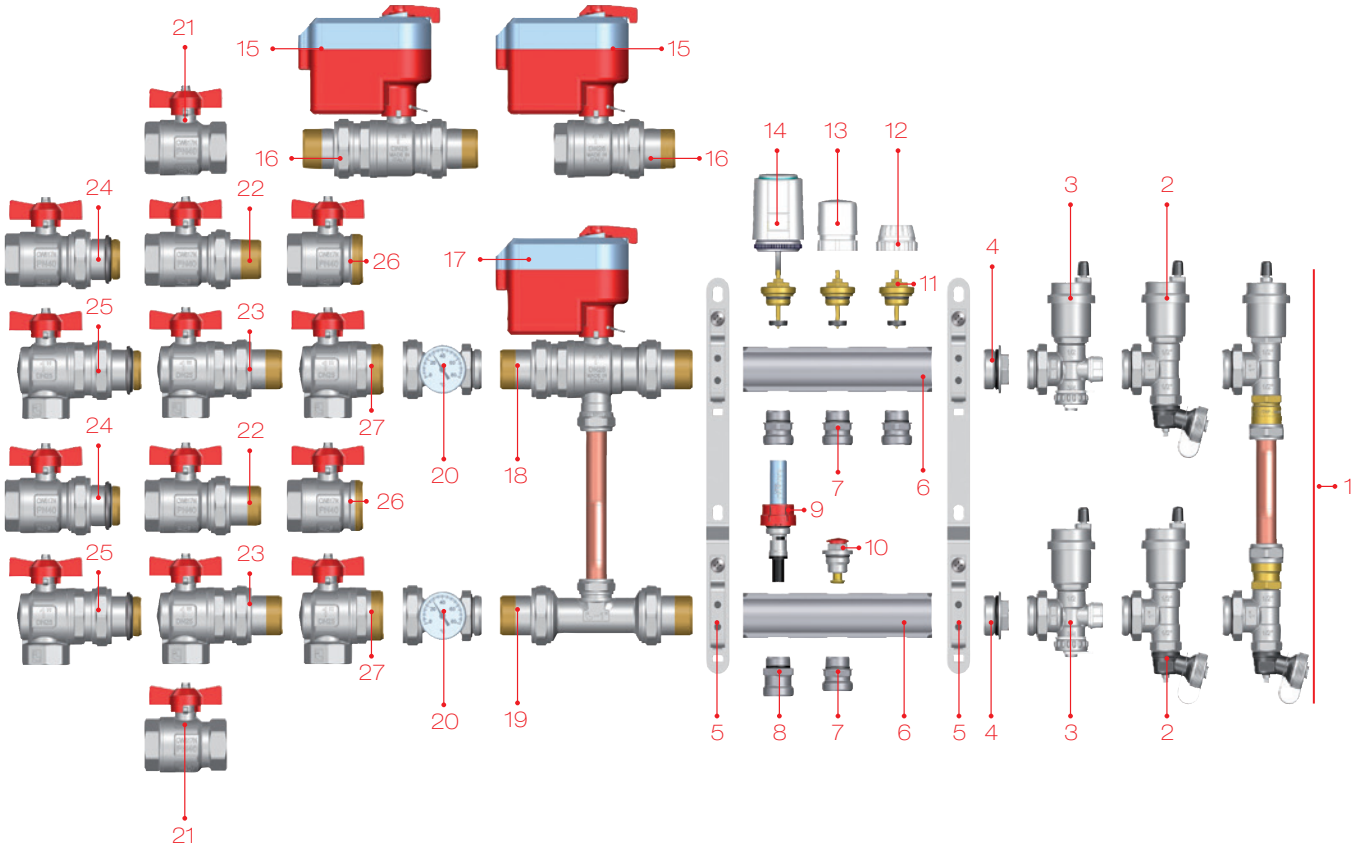
POSITIONING THE MANIFOLD ART. 860 WITH ZONE BALL VALVES INTO METAL BOXES





CODE	498.600.600	498.700.600	498.800.600	498.1000.600	498.1100.600
LxH (mm)	600x600	700x600	800x600	1000x600	1100x600
N° outlets	3-4	5-6	7-8	9-10	11-12-13
MANIFOLD	1" - 1"1/4				
L1	530	630	730	830	980

ACCESSORIES CHART ART. 860 FOR METAL BOXES



POS	ART	DESCRIPTION	CHP	PG.
1	860BY	Off-centre by-pass kit	5	112
2	489A	Adjustable end piece with drain valve and automatic air vent valve	5	115
3	489AR	Adjustable end piece with drain valve and automatic air vent valve	5	114
4	494	Male end cap	5	120
5	498ST	Mounting brackets in steel for metal boxes	5	105
6	860	Brass bar manifold	5	95
7	518	Male/male adapter 1"	5	113
8	471	Adapter for flow meters - 1" manifold	5	113
9	471FL	Flow meter	5	113
10	Vitonde	Lockshield	-	-
11	Vitonvat	Convertible control spindle	-	-
12	894CP	Protection cap	-	-
13	894VM	Handle	-	-
14	891M	Electrothermal actuator	5	113
15	990 - 991 989	Electric actuator for zone ball valves Electric actuator for 2-way zone ball valves	5	71
16	980-981	2-way zone ball valve - 2-way zone ball valve M/M	5	71
17	990 - 991	Electric actuators for zone ball valves	5	72
18	984	3-way zone ball valve	5	72
19	988	By-pass kit for zone ball valves	5	73
20	492BC	Thermometer union complete with thermometer	5	119
21	092	Ball valve F/F	2	19
22	098	Ball valve for manifolds	2	20
23	298	Angle ball valve for manifolds	2	21
24	098S	Ball valve for manifolds with o-ring on the union	2	20
25	298S	Angle ball valve for manifolds with o-ring on the union	2	21
26	098SDC	Ball valve for manifolds without union	2	20
27	298SDC	Angle ball valve for manifolds without union	2	21

SET POINT REGULATING UNIT

INFO

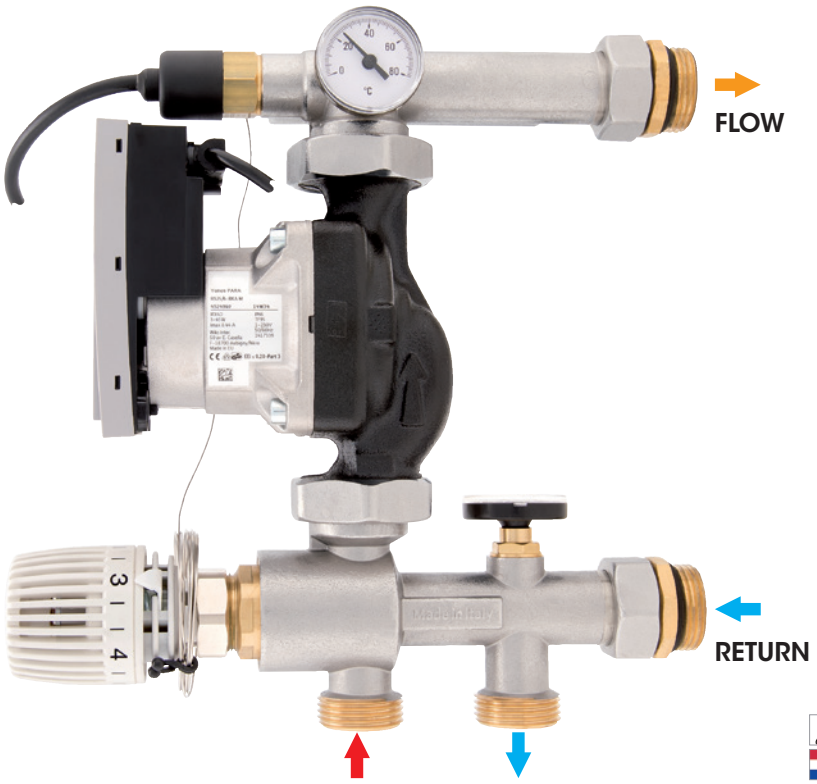
The set point regulating unit is used for underfloor heating systems and installed directly on the manifold in the box, thanks to its small overall dimensions.

The minimum depth of the metal box (Item 498) 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 (supplied on request) allows the fluid to circulate through the pipes, while a safety thermostat limits the maximum flow temperature to 55°.

The regulating unit is assembled on the manifold using swivelling nuts. This makes it easy to remove for maintenance or other requirements.

949

SET POINT REGULATING UNIT



SIZE	PRESSURE	CODE	PACKING
1"	6bar/87psi	9490100200CPF	1/1
1"	6bar/87psi	9490100200SPF	1/1

Supplied with low energy consumption pump (9490100200CPF) or without low energy consumption pump (9490100200SPF).

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: nickel-plated brass
- Available size: 1”
- ISO 228 threads (equivalent to DIN EN ISO 228 and BS EN ISO 228)

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

949CEF

WIRING CASE FOR PUMP CONNECTION



CODE	PACKING
949CEF	1/13

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 supplied at 230V

949BY

PRIMARY CIRCUIT BY-PASS KIT



SIZE	PRESSURE	CODE	PACKING
1"	6bar/87psi	949BY100	1/18

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".
ISO 228 thread (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Supplied with a pair of flat EPDM washer.

894K

PAIR OF UNION CONNECTIONS, FLAT SEAT

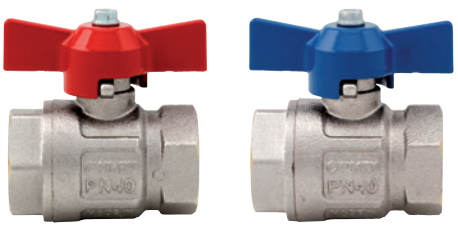


SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	894DC100MPK	1/100

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 operating pressure: 10 bar.
Available size: 1"M x 1"F.
Supplied with a pair of fibre washer.

092K

BALL VALVES KIT



SIZE	PRESSURE	CODE	PACKING
1"	40bar/580psi	0920100K	1/30

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: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

CERT

949BY 092K

949BY

092K

498

METAL BOX FOR MANIFOLDS



SIZE	CODE	PACKING
600x600x(80-130)	498600600	1/1
700x600x(80-130)	498700600	1/1
800x600x(80-130)	498800600	1/1
1000x600x(80-130)	4981000600	1/1
1100x600x(80-130)	4981100600	1/1

BOX	CODE	MANIFOLDS' OUTLETS
600x600x(80-130)	498600600	2-3
700x600x(80-130)	498700600	4-5
800x600x(80-130)	498800600	6-7
1000x600x(80-130)	4981000600	8-9-10
1100x600x(80-130)	4981100600	11-12-13

Complete with basement and support for floor installation.
Equipped with plaster protection.

Enclosure, telescopic door frame and door in zincplated steel.
The telescopic door frame and the door are painted.
Adjustable depth: from mm. 80 to mm. 130.
Minimum depth for Itap manifolds installation: mm. 90.
Adjustable height: from mm. 700 to mm. 800.

498ST

MOUNTING BRACKETS IN STEEL FOR METAL BOXES ART. 498



498ST

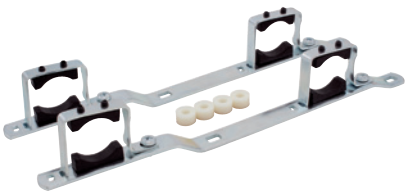
SIZE	CODE	PACKING
1"	498ST100K	1/40

Centres distance mm. 200.
Offset mm. 12.

The set includes a pair of brackets with screws and fixings.
For installation in box art. 498:
- 498STK: standard version. Offset: 12 mm.
Suitable for outlet pipe up to 20 mm.

949ST

MOUNTING BRACKETS IN STEEL FOR METAL BOXES ART. 498

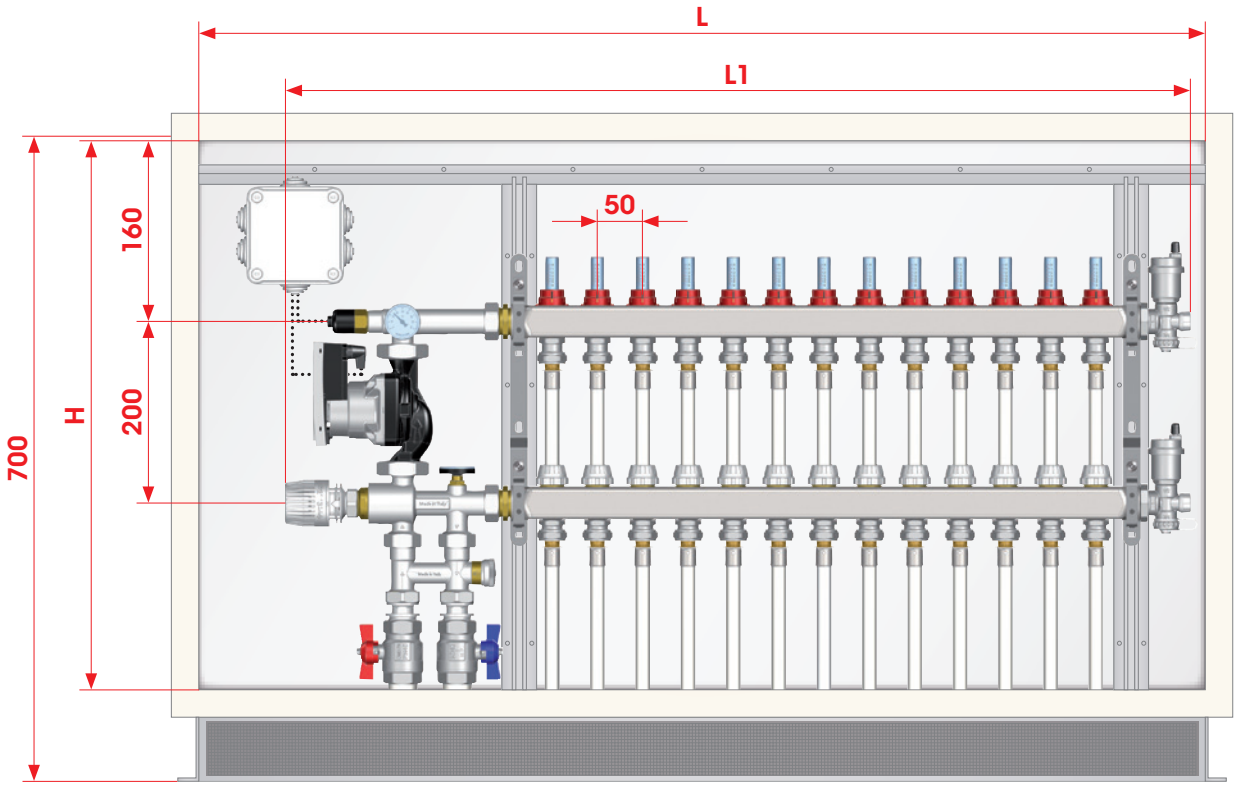


SIZE	CODE	PACKING
1"	949ST211K	1/40

Centres distance mm. 211.
Offset mm 6,5.

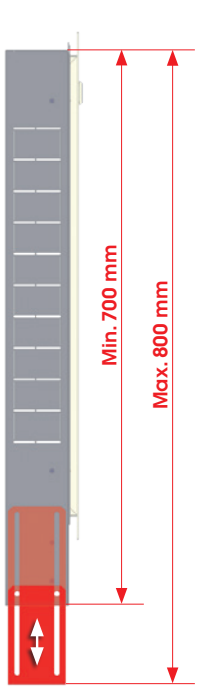
The set includes a pair of brackets with screws and fixings.
4 spacers included.

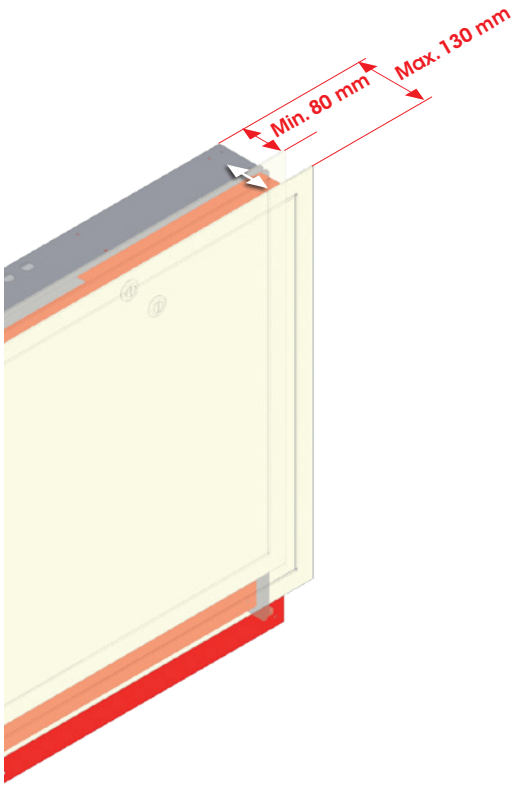
POSITIONING THE REGULATING UNIT INTO METAL BOXES



CODE	498.600.600	498.700.600	498.800.600	498.1000.600	498.1100.600
LxH (mm)	600x600	700x600	800x600	1000x600	1100x600
N° outlets	2-3	4-5	6-7	8-9-10	11-12-13
MANIFOLD	1”				
L1	495	595	695	845	995

METAL BOX HEIGHT AND DEPTH REGULATION





915CK

EXTENSION KIT FOR MANIFOLDS





SIZE	PRESSURE	CODE	PACKING
1"X3/4"X1"	6bar/87psi	9150010001034CK	1/10

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).

860BY

OFF-CENTRE BY-PASS KIT



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	860BY	1/34

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).
To be installed in metal boxes art. 498 with manifolds made out of brass bar or stainless steel.



5

891M

ELECTROTHERMAL ACTUATOR



SIZE	CODE	PACKING
230-2fili	891M2302NC	1/64
230-4fili	891M2304NC	1/34

Suitable for convertible valves and 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.
Maximum differential pressure: 1,5bar.
Length of the power supply cable: m.1.
Class of protection IP54.
Available with 2 cables or 4 cables with an auxiliary microswitch.
Capacity of the auxiliary connection: 300mA.
CE marked.

CERT

860BY
891M

860BY

471FL

FLOW METER



SIZE	CODE	PACKING
1/2"	471FL	1/200

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.
Accurancy 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



SIZE	PRESSURE	CODE	PACKING
1/2"X3/4" EUROKONUS	20bar/290psi	4710012034N	1/300

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

MALE/MALE ADAPTER - 1" MANIFOLDS



SIZE	PRESSURE	CODE	PACKING
1/2"-1/2"	20bar/290psi	5180012012N	30/540
1/2"-3/4" EUROKONUS	20bar/290psi	5180012034N	20/480

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.
1/2"x1/2" size is also suitable as adapter for flow meters on 1" manifolds.

519N

MALE/MALE ADAPTER - 1"1/4 MANIFOLDS



SIZE	PRESSURE	CODE	PACKING
1/2"-3/4" EUROKONUS	20bar/290psi	5190012034N	1/300

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).
It is also suitable as adapter for flow meters on 1"1/4 manifolds.

CERT

471 471FL 518 519

471 518 519

518 519

489AR

NICKEL-PLATED ADJUSTABLE END PIECE WITH DRAIN VALVE AND AUTOMATIC AIR VENT VALVE



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	4890100AR	2/48

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



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	4890100MR	2/60

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



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	4890100A	1/50
1"1/4	10bar/145psi	4890114A	1/50

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).



5

489M

NICKEL-PLATED ADJUSTABLE END PIECE WITH DRAIN VALVE AND MANUAL AIR VENT VALVE



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	4890100M	1/77
1"1/4	10bar/145psi	4890114M	1/77

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



SIZE	PRESSURE	CODE	PACKING
1/2"	10bar/145psi	4890012SO	35/280

Body in brass.
Adjustable outflow in polymer.
Maximum working temperature: 80°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

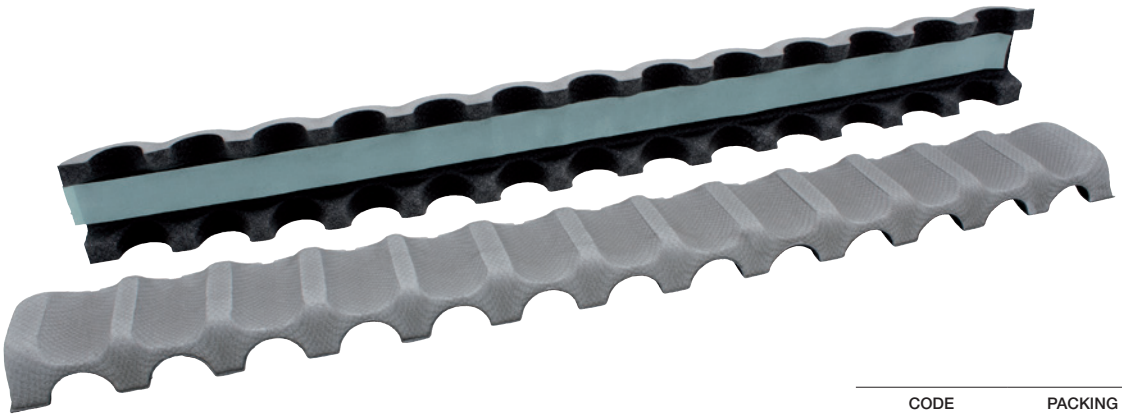
CERT

489AR
489MR
489A
489M
489SO

489AR
489MR
489A
489M

COP100

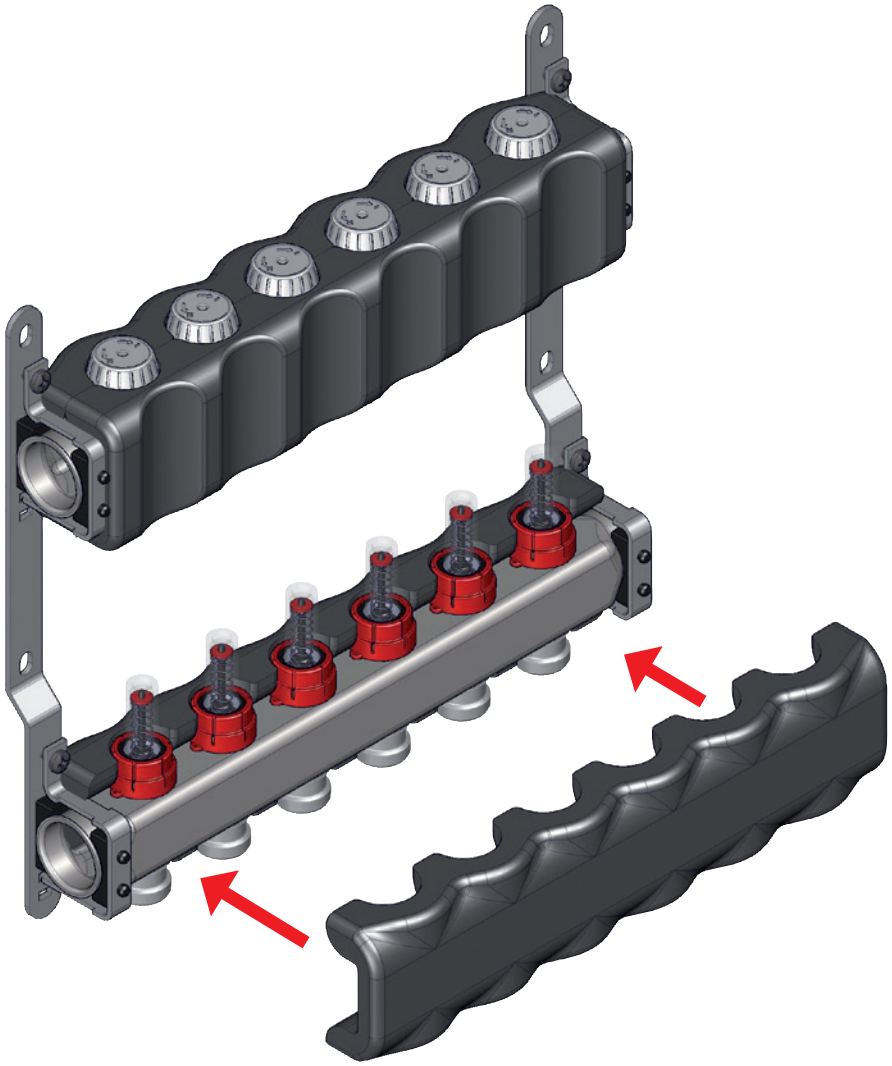
INSULATION SHELLS FOR MANIFOLDS



CODE	PACKING
COP100	1/10

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.
Available in just one size.
Insulation shells have to be cut according to manifolds length.

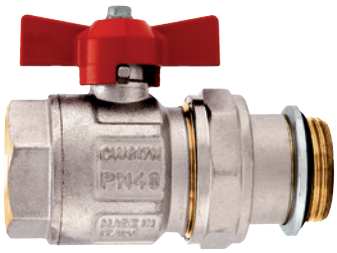
INSULATION SHELLS INSTALLATION



BALL VALVES KIT

098SK

STRAIGHT BALL VALVES KIT





SIZE	PRESSURE	CODE	PACKING
3/4"X1"	40bar/580psi	0980034100SK	1/23
1"	40bar/580psi	0980100SK	1/18

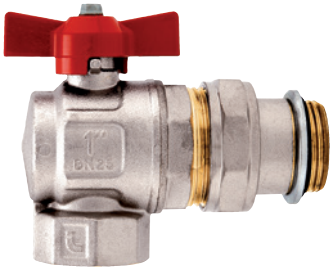
Kit consisting of: 2 ball valves art. 098S, red and blue T handles.
Available size: 1".
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Code 0980034100SK: 3/4"FX1"M

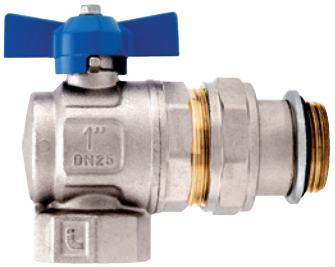


5

298SK

ANGLE BALL VALVES KIT





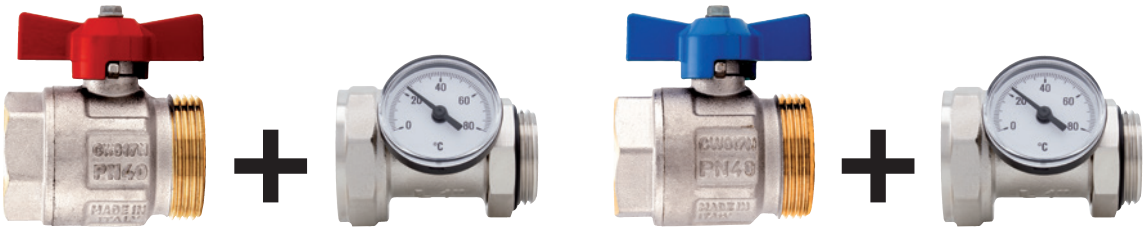
SIZE	PRESSURE	CODE	PACKING
1"	40bar/580psi	2980100SK	1/11

Kit consisting of: 2 ball valves art. 298S, 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: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

BALL VALVES KIT

487K01

STRAIGHT BALL VALVES AND THERMOMETER UNION KIT



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	4870100K01	1/18

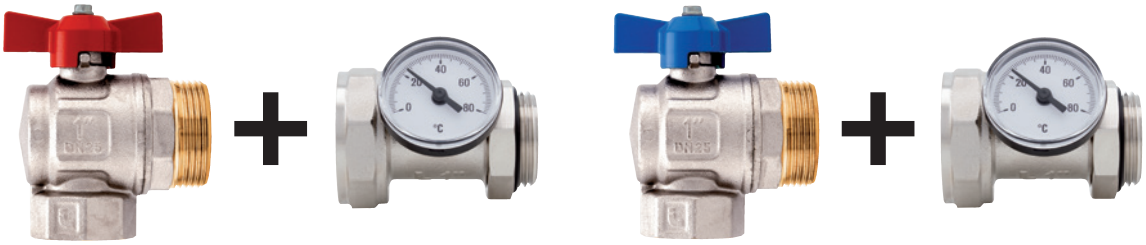
Kit consisting of: 2 ball valves art. 098SDC, red and blue T handles and 2 themometer unions complete with thermometers art. 492BC.
Available size: 1".

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 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).

487K02

ANGLE BALL VALVES AND THERMOMETER UNION KIT



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	4870100K02	1/13

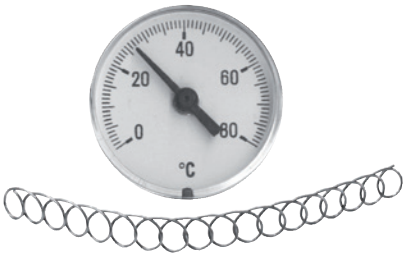
Kit consisting of: 2 ball valves art. 298SDC, red and blue T handles and 2 themometer unions complete with thermometers art. 492BC.
Available size: 1".

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 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).

492N

SURFACE THERMOMETER



CODE	PACKING
492N	12/408

Suitable for stainless steel and brass bar distribution manifolds.
Available diameter: mm. 40
Scale: 0°C - 80°C

490

MALE END FITTING FOR MANIFOLDS



SIZE	PRESSURE	CODE	PACKING
3/4"	10bar/145psi	4900034	14/224
1"	10bar/145psi	4900100	12/156
1"1/4	10bar/145psi	4900114	8/128

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.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

490S

ADJUSTABLE MALE END FITTING FOR MANIFOLDS



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	4900100S	12/156
1"1/4	10bar/145psi	4900114S	8/152

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.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

491

FEMALE END FITTING FOR MANIFOLDS



SIZE	PRESSURE	CODE	PACKING
3/4"	10bar/145psi	4910034	14/294
1"	10bar/145psi	4910100	12/252

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.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

CERT

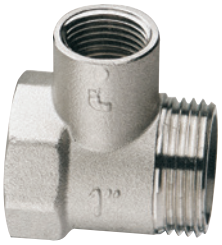
490
490S
491

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491

492N
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492

THERMOMETER FITTING



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	4920100	6/126
1"1/4	10bar/145psi	4920114	4/120

Available sizes: 1", 1"1/4.
Size of the thermometer thread: 1/2".
Body in nickel-plated brass.
Maximum working temperature: 110°C.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

492B

THERMOMETER UNION



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	4920100B	8/128
1"1/4	10bar/145psi	4920114B	4/64

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.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Suitable for ball valve art. 098SDC.

492C

THERMOMETER FITTING COMPLETE WITH THERMOMETER



SIZE	PRESSURE	CODE	PACKING
1"	10bar/145psi	4920100C	4/120
1"1/4	10bar/145psi	4920114C	4/96

Available sizes: 1", 1"1/4.
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.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

492BC

THERMOMETER UNION COMPLETE WITH THERMOMETER



SIZE	PRESSURE	CODE	PACKING
1" (DN 25)	10bar/145psi	4920100BC	4/84
1"1/4 (DN 32)	10bar/145psi	4920114BC	4/64

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.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Suitable for ball valve art. 098SDC.

CERT

492
492B
492C
492BC

492

494

MALE END CAP WITH O-RING



SIZE	PRESSURE	CODE	PACKING
3/8"	10bar/145psi	4940038	50/1100
1/2"	10bar/145psi	4940012	40/720
3/4"	10bar/145psi	4940034	26/598
1"	10bar/145psi	4940100	16/384
1"1/4	10bar/145psi	4940114	12/264

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).

495

MALE END FITTING WITH O-RING



SIZE	PRESSURE	CODE	PACKING
3/4"X3/8"	10bar/145psi	4950034038	26/598
3/4"X1/2"	10bar/145psi	4950034012	26/780
1"X3/8"	10bar/145psi	4950100038	16/384
1"X1/2"	10bar/145psi	4950100012	16/384
1"1/4X1/2"	10bar/145psi	4950114012	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.
Thread ISO228
(equivalent to DIN EN ISO 228 and BS EN ISO 228).

496

FEMALE END CAP WITH WASHER



SIZE	PRESSURE	CODE	PACKING
1/2"	10bar/145psi	4960012	40/1200
3/4"	10bar/145psi	4960034	26/598
1"	10bar/145psi	4960100	20/420

Body in nickel-plated brass.
Washer in NBR.
(1/2” with fibre washer).
Maximum working temperature: 110°C.
Thread ISO228
(equivalent to DIN EN ISO 228 and BS EN ISO 228).

482

PRESSURE GAUGE, BOTTOM CONNECTION, 0-10 BAR



SIZE	PRESSURE	CODE	PACKING
1/4"	10bar/145psi	482B014	4/136

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).

CERT

494 495 496

494 495 496 482

482

494

482R

PRESSURE GAUGE, BOTTOM CONNECTION, 0-6 BAR



SIZE	PRESSURE	CODE	PACKING
1/4"	6bar/87psi	482B014R	4/136

Complying with INAIL regulation (ex ISPESL).
Diameter mm. 50.
Size of connection: 1/4".
Scale: 0-6 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



SIZE	PRESSURE	CODE	PACKING
1/4"	10bar/145psi	483B014	4/136

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).

483R

PRESSURE GAUGE, BACK CONNECTION, 0-6 BAR



SIZE	PRESSURE	CODE	PACKING
1/4"	6bar/87psi	483B014R	4/136

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).

CERT

482R
483
483R

484

THERMOMETER AND PRESSURE GAUGE, BOTTOM CONNECTION



SIZE	PRESSURE	CODE	PACKING
1/2"	6bar/87psi	484B012	2/68

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).

485

THERMOMETER AND PRESSURE GAUGE, BACK CONNECTION

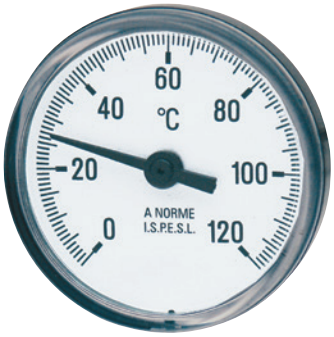


SIZE	PRESSURE	CODE	PACKING
1/2"	4bar/58psi	485B012	2/68

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).

493

THERMOMETER, BACK CONNECTION



SIZE	PRESSURE	CODE	PACKING
3/8”X40	10bar/145psi	493B03840P	10/340
1/2”X40	10bar/145psi	493B01240P	8/272
1/2”X63	10bar/145psi	493B01263P	4/136
1/2”X80	10bar/145psi	493B01280P	2/38

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).

CERT

484
485

484
485
493

INFO

Body in nickel-plated brass.
Float in polyethilenic resin.
Maximum working temperature: 110°C.
Maximum discharge pressure: 6 bar.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

362

AUTOMATIC AIR-VENT VALVE



SIZE	PRESSURE	CODE	PACKING
3/8"	10bar/145psi	3620038	10/120
1/2"	10bar/145psi	3620012	10/120
3/4"	10bar/145psi	3620034	10/100
1"	10bar/145psi	3620100	10/100

362R

AUTOMATIC AIR-VENT VALVE, COMPACT



SIZE	PRESSURE	CODE	PACKING
3/8"	10bar/145psi	3620038R	10/120
1/2"	10bar/145psi	3620012R	10/120

363

AUTOMATIC AIR-VENT VALVE, SIDE OUTLET



SIZE	PRESSURE	CODE	PACKING
3/8"	10bar/145psi	3630038	10/120
1/2"	10bar/145psi	3630012	10/120

364

AUTOMATIC AIR-VENT VALVE, SIDE INLET



SIZE	PRESSURE	CODE	PACKING
3/8"	10bar/145psi	3640038	10/120
1/2"	10bar/145psi	3640012	10/120

364R

AUTOMATIC AIR-VENT VALVE, SIDE INLET, COMPACT



SIZE	PRESSURE	CODE	PACKING
3/8"	10bar/145psi	3640038R	10/120
1/2"	10bar/145psi	3640012R	10/120

CERT

362
362R
363
364
364R

365

AUTOMATIC CHECK VALVE



SIZE	PRESSURE	CODE	PACKING
3/8"	10bar/145psi	3650038	50/1150
1/2"	10bar/145psi	3650012	50/550

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: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

366

SAFETY RELIEF VALVE FOR BOILERS



SIZE	PRESSURE	CODE	PACKING
1/2"	10bar/145psi	3660012	25/400

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: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

367

SAFETY RELIEF VALVE FOR BOILERS WITH LEVER HANDLE



SIZE	PRESSURE	CODE	PACKING
1/2"	10bar/145psi	3670012	25/325

Body in nickel-plated brass.
Check and vent spring in stainless steel.
Check seat in nylon.
Check and vent seal in NBR.
Maximum working temperature: 120°C.
Opening pressure: 8,5 bar.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).



5

194

AIR VENT VALVE



SIZE	PRESSURE	CODE	PACKING
1/8"	10bar/145psi	1940018	50/1150
1/4"	10bar/145psi	1940014	50/1150
3/8"	10bar/145psi	1940038	40/720
1/2"	10bar/145psi	1940012	40/560

Body in chrome-plated brass.
Handle in acetalic resin.
Maximum working temperature: 90°C.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

CERT

194 365 366 367

365

365 366 367

1940

ADJUSTABLE NICKEL-PLATED AIR VENT VALVE



SIZE	PRESSURE	CODE	PACKING
1/2"	10bar/145psi	1940012O	40/560

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).

195

REVOLVING DRAIN COCK



SIZE	PRESSURE	CODE	PACKING
1/4"	6bar/87psi	1950014	50/550
3/8"	6bar/87psi	1950038	50/550

Body in nickel-plated brass.
Revolving drain in acetalic resin.
Maximum working temperature: 90°C.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

196

DRAIN COCK

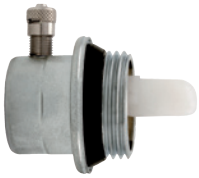


SIZE	PRESSURE	CODE	PACKING
1/4"	20bar/290psi	1960014	50/550

Body in chrome-plated brass.
Maximum working temperature: 80°C.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

299

PLUG FOR RADIATORS WITH AIR VENT VALVE



SIZE	PRESSURE	CODE	PACKING
1" DX	10bar/145psi	2990100D	10/120
1" SX	10bar/145psi	2990100S	10/120

Body in chrome-plated brass.
Nominal pressure: 10 bar.
Maximum working temperature: 110°C.
Available sizes: 1" right and 1" left.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

CERT

1940
195
196
299

INFO

Body in nickel-plated brass.
Diaphragm: EPDM.
Spring: stainless steel.
Nominal pressure: 10 bar.
Working temperatures: 5°C - 110°C.
Opening overpressure: 20%.
Closing differential: 20%.
Available settings: 1,5 - 1,8 - 2,5 - 3 - 4 - 6 bar.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

368

DIAPHRAGM SAFETY RELIEF VALVE, FEMALE/ FEMALE THREAD



1/2”x1/2”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	1,5	368001215	10/150
1/2" (DN 15)	1,8	368001218	10/150
1/2" (DN 15)	2,5	368001225	10/150
1/2" (DN 15)	3	368001230	10/150
1/2" (DN 15)	4	368001240	10/150
1/2" (DN 15)	6	368001260	10/150

3/4”x3/4”

SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	1,5	368003415	10/150
3/4" (DN 20)	1,8	368003418	10/150
3/4" (DN 20)	2,5	368003425	10/150
3/4" (DN 20)	3	368003430	10/150
3/4" (DN 20)	4	368003440	10/150
3/4" (DN 20)	6	368003460	10/150

1”x1”

SIZE	PRESSURE	CODE	PACKING
1" (DN 25)	1,5	368010015	10/80
1" (DN 25)	1,8	368010018	10/80
1" (DN 25)	2,5	368010025	10/80
1" (DN 25)	3	368010030	10/80
1" (DN 25)	4	368010040	10/80
1" (DN 25)	6	368010060	10/80

369

DIAPHRAGM SAFETY RELIEF VALVE, MALE/FEMALE THREAD



1/2”x1/2”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	1,5	369001215	10/150
1/2" (DN 15)	1,8	369001218	10/150
1/2" (DN 15)	2,5	369001225	10/150
1/2" (DN 15)	3	369001230	10/150
1/2" (DN 15)	4	369001240	10/150
1/2" (DN 15)	6	369001260	10/150



5

368M

DIAPHRAGM SAFETY RELIEF VALVE WITH PRESSURE GAUGE CONNECTION, FEMALE/ FEMALE THREAD



1/2”x1/2”, gauge connection 1/4”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	1,5	368001215M	10/150
1/2" (DN 15)	1,8	368001218M	10/150
1/2" (DN 15)	2,5	368001225M	10/150
1/2" (DN 15)	3	368001230M	10/150
1/2" (DN 15)	4	368001240M	10/150
1/2" (DN 15)	6	368001260M	10/150

369M

DIAPHRAGM SAFETY RELIEF VALVE WITH PRESSURE GAUGE CONNECTION, MALE/FEMALE THREAD



1/2”x1/2”, gauge connection 1/4”

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	1,5	369001215M	10/150
1/2" (DN 15)	1,8	369001218M	10/150
1/2" (DN 15)	2,5	369001225M	10/150
1/2" (DN 15)	3	369001230M	10/150
1/2" (DN 15)	4	369001240M	10/150
1/2" (DN 15)	6	369001260M	10/150

CERT

368
368M
369
369M

820

MECHANICAL ROOM THERMOSTAT WITH SIMPLE SWITCHING



CODE	PACKING
820	1/75

Power supply: 230 Vac.
Max connection load (2 terminals): 16 (2,5) A/250Vac.
Installation: wall mount.
Temperature setting range: 5°C, 30°C.
Thermal differential: ± 0,8°C.
Class of protection: IP 20.
Dimensions: 71x71x38.
In compliance with directive: B.T. 73/23/CEE and EMC 89/336/CEE.

820C

MECHANICAL ROOM THERMOSTAT WITH CHANGEOVER SWITCHING



CODE	PACKING
820C	1/75

Power supply: 230 Vac.
Max connection load (3 terminals): 16 (2,5) A/250Vac.
Installation: wall mount.
Temperature setting range: 5°C, 30°C.
Thermal differential: ± 0,8°C.
Class of protection: IP 20.
Dimensions: 71x71x38.
In compliance with directive: B.T. 73/23/CEE and EMC 89/336/CEE.

820CS

MECHANICAL ROOM THERMOSTAT WITH CHANGEOVER SWITCHING, ON/OFF AND FUNCTIONING LED



CODE	PACKING
820CS	1/75

Power supply: 230Vac.
Max connection load (3 terminals): 10 (2,5) A/250Vac.
Installation: wall mount.
Temperature setting range: 5°C, 30°C.
Thermal differential: ± 0,8°C.
Class of protection: IP 20.
Dimension: 71x71x38.
In compliance with directive: B.T. 73/23/CEE and EMC 89/336/CEE.

950C

DIGITAL ELECTRONIC ROOM CHRONO-THERMOSTAT



CODE	PACKING
950C	1/32

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: ±0,25°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.

950S

DIGITAL ELECTRONIC ROOM CHRONO-THERMOSTAT

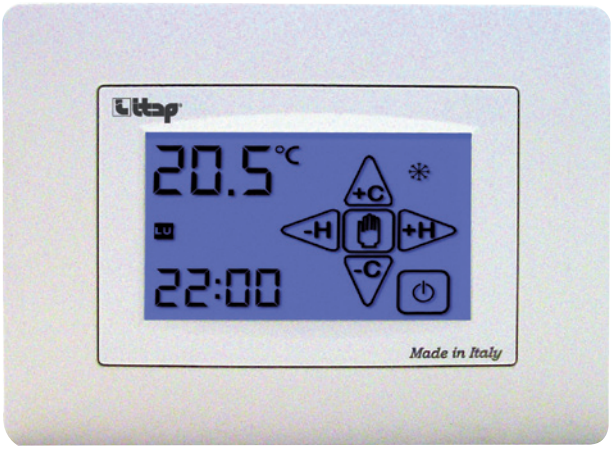


CODE	PACKING
950S	1/32

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.
Temperature setting range:
WINTER mode: 5-30°C, SUMMER mode: 15-35°C.
Thermal differential: ±0,2°C.
Automatic battery level control with 2 warning levels.
Battery change is allowed without loss of data.
Daily and weekly setting with steps of 0,1°C.
Minimum setting period: 1hour.
Functions: on/off, summer/winter, manual/program.
Display of program and present hour or temperature.
Wall mount size: mm. 119x83x24.
3 module box flush mount size: mm. 119x83x16.
In compliance with directive EMC 89/336/CEE.

950T

DIGITAL ELECTRONIC ROOM CHRONO-THERMOSTAT TOUCH SCREEN



CODE	PACKING
950T	1/32

Power supply: 2 alkaline batteries AAA type 1,5V.
Relay contact load: 230Vac - 5A (resistive load).
Wall or box mount.
Automatic battery level control with 2 warning levels.
Battery change is allowed without loss of data.
Temperature setting range:
WINTER mode: 5 -30°C
SUMMER mode: 15-35°C
Daily and weekly setting with step of 0,1°C (WINTER) and 0,2°C (SUMMER)
Adjustable thermal differential: from 0,2°C to 2°C
Possibility to set every temperature among the setting periods
for every time during the day and the week.
Dimensions: mm. 114x83x23,5.

FITTINGS

FITTINGS FOR MULTILAYER, PEX AND POLYBUTILENE PIPE

510 **134**



multi-fit

Multi-Fit® fittings and Multi-Fit® System

509 - 515 - 530 - 535 - 540 - 545 - 548 - 578 - 518 - 519 - 494 **135-136**



Threaded fittings

505 - 505R **138**



Multilayer pipe

134 **595M - 595P**



Fittings 595M and 595P

137 **OREP - 510EP - 510NB 680 - 575 - 575L - 570**



Accessories for Multi-Fit® fittings

FITTINGS FOR COPPER, PEX AND POLYBUTYLENE PIPE

610 - 615 - 620 - 625 - 630 - 635 640 - 645 - 648 - 650 - 618 - 655 656 - 657 - 658 - 685 - 671 - 575 680 **140-143**



itap-fit

Itap-Fit® push-fit fittings

509 - 515 - 530 - 535 540 - 545 - 548 **145**



Threaded fittings

144 **595 - 598**



Compression fittings

145 **573**



Ring spanner

FITTINGS FOR POLYETHYLENE PIPE

010 - 010FL - 015 - 015FL
020 - 020FL - 025 - 030 - 030FL
035 - 035FL - 040 - 040FL - 050
050FL - 048 - 055 - 056 - 057
058

147-149



VX

VX fittings

150-151

710 - 715 - 720 - 730
735 - 740 - 745 - 750
055 - 056 - 057 - 058



VX-N

VX-N fittings

MECHANICAL FITTINGS AND ACCESSORIES

152-153

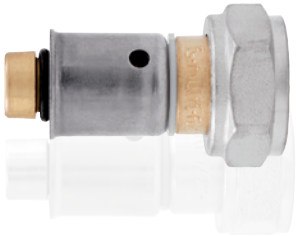
151 - 152 - 161 - 161G - 162
154 - 110 - 275 - 276 - 142
ROL075 - TUB100



Mechanical fittings and accessories

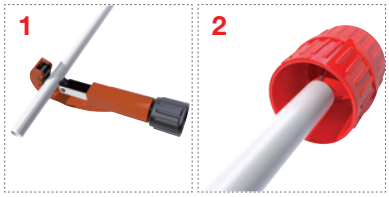
multi-fit®

THE SIMPLE, FAST AND MONEY SAVING SYSTEM FOR MULTILAYER, PEX AND POLYBUTYLENE PIPE



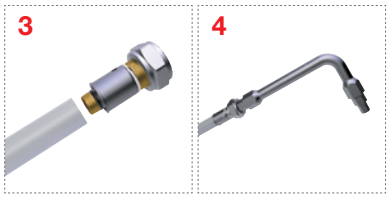


FOUR SIMPLE STEPS FOR A SAFE INSTALLATION



1. Cut the pipe by a pipe cutter.
2. Deburr the inner side of the pipe.
3. Insert the fitting into the pipe.
4. 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.



ADVANTAGES

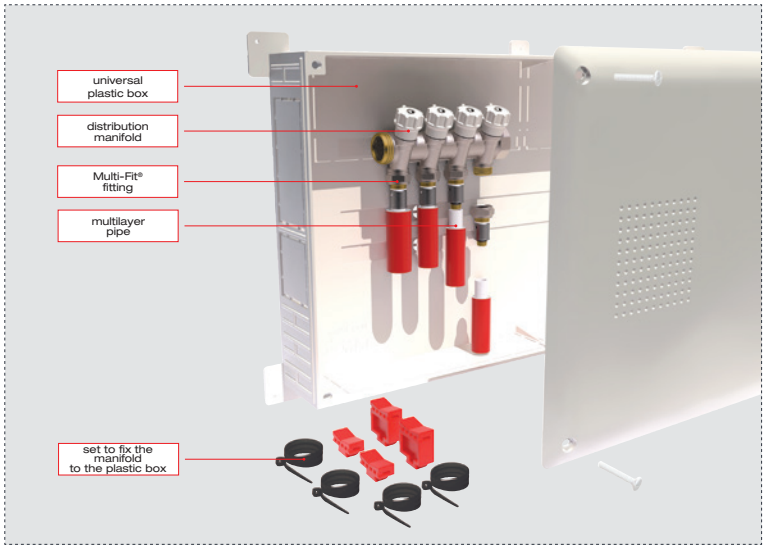
- NO NEED TO REAM THE PIPE
- FIT FOR EVERY KIND OF MULTILAYER PIPE
- THE CONNECTION IS REVERSIBLE
- SUITABLE FOR SANITARY AND HEATING PLANTS
- NO NEED TO PRESS. NO NEED TO TIGHTEN. NO SPECIAL EQUIPMENT IS REQUIRED FOR THE INSTALLATION



The fittings are supplied with an o-ring for conical seats and a flat washer for flat seats.

multi-fit®

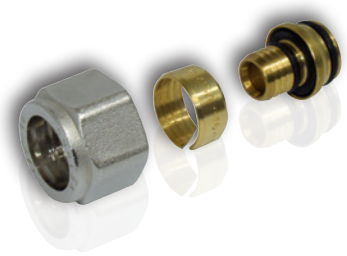
MANIFOLD WATER DISTRIBUTION SYSTEM



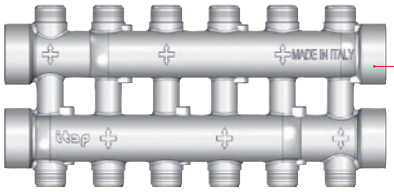
- NO MORE BUILD-IN TEE AND ELBOW JUNCTIONS
- NO MORE LEAKAGES
- REALLY MAKE THE MOST OF MULTILAYER PIPING FLEXIBILITY AND INSTALLATION SPEED
- IMPROVE THE WATER FLOW
- MAKE REPAIRS EASY AND FAST
- EACH ENDPOINT CONNECTED TO A SINGLE MANIFOLD OUTLET

595M

COMPRESSION FITTINGS FOR MULTILAYER PIPE



USE OF THE FITTINGS FOR MULTILAYER PIPE



885 DUAL DISTRIBUTION MANIFOLD.
1/2" male outlets, conical seat



850 DISTRIBUTION MANIFOLD
MADE OUT OF BRASS BAR



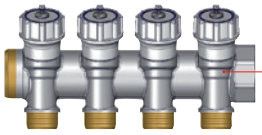
518 MALE/MALE ADAPTER



852 DISTRIBUTION MANIFOLD IN
STAINLESS STEEL



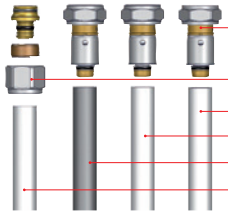
518 MALE/MALE ADAPTER



465 DISTRIBUTION MANIFOLD WITH SHUT-OFF VALVES
1/2" male outlets, conical seat



455 DISTRIBUTION MANIFOLD
1/2" male outlets, conical seat



510 multi-fit

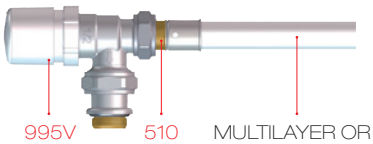
595M NUT AND ADAPTER

MULTILAYER PIPE

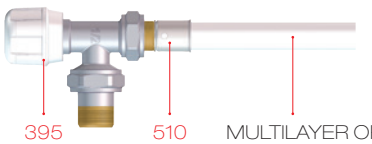
PEX PIPE

POLYBUTYLENE PIPE

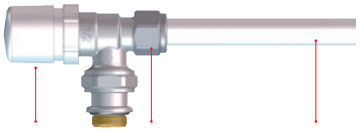
MULTILAYER PIPE



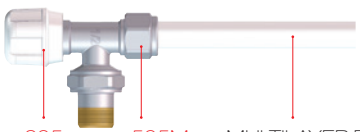
995V 510 MULTILAYER OR PEX PIPE



395 510 MULTILAYER OR PEX PIPE



995V 595M MULTILAYER PIPE



395 595M MULTILAYER PIPE

510

MULTI-FIT® FITTING FOR MULTILAYER, PEX AND POLYBUTYLENE PIPE



PATENTED

Available size with 1/2” nut

SIZE	CODE	PACKING
14x2	510001214200	20/360
16x2	510001216200	20/360
16x2,25	510001216225	20/360
18x2	510001218200	15/270
20x2	510001220200	15/270
20x2,25	510001220225	15/270
20x2,5	510001220250	15/270

Available size with 3/4” nut EUROKONUS

SIZE	CODE	PACKING
16x2	510003416200	20/160
18x2	510003418200	15/195
20x2	510003420200	15/195
20x2,25	510003420225	15/195
25x2,5	510003425250	10/130
26x3	510003426300	10/190

Available size with 1” nut

SIZE	CODE	PACKING
25x2,5	510010025250	10/190
26x3	510010026300	10/190
32x3	510010032300	10/130

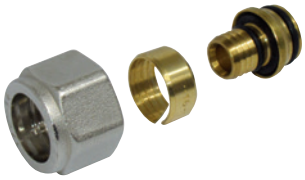


Supplied with an O-ring for conical seats and a washer for flat seats.

Nut in nickel-plated brass.
Tail in brass.
Maximum working pressure: 20 bar.
Threads: ISO228
(equivalent to DIN EN ISO 228 and BS EN ISO 228).
Minimum and maximum working temperature: -20°C, 110°C.

595M

NUT AND ADAPTER FOR MULTILAYER PIPE



Available size with 1/2”nut

SIZE	CODE	PACKING
1/2"-14X2	595001214200M	20/400
1/2"-16X2	595001216200MI	20/400
1/2"-16X2,25	595001216225M	20/300

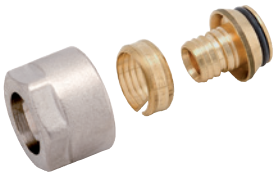
Available size with 3/4” nut EUROKONUS

SIZE	CODE	PACKING
3/4"-16X2	595003416200MI	20/300
3/4"-20X2	595003420200MI	20/300

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.

595P

NUT AND ADAPTER FOR PEX PIPE



Available size with 3/4” nut EUROKONUS

SIZE	CODE	PACKING
3/4" - 16X1,5	595003416150P	25/200
3/4" - 16X1,8	595003416180P	25/200
3/4" - 16X2	595003416200P	20/300
3/4"-17X2	595003417200P	20/300
3/4" - 20X1,9	595003420190P	25/200

Minimum and maximum working temperature: -20°C, 110°C.
Maximum working pressure: 10 bar.

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510
595M
595P

510

INFO

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.

509
STRAIGHT FEMALE CONNECTOR



Available sizes: 1/2”x1/2”, 1/2”Mx3/4”F, 3/4”x3/4” eurokonus

SIZE	CODE	PACKING
1/2"x1/2"	5090012012	20/600
1/2"x3/4"	5090012034	15/345
3/4"x3/4"	5090034034	12/276

515
STRAIGHT MALE CONNECTOR



Available sizes: 1/2”x1/2”, 1/2”x3/4”eurokonus, 3/4”x3/4” eurokonus, 1”x1”

SIZE	CODE	PACKING
1/2"x1/2"	5150012012	30/720
1/2"x3/4"	5150012034	20/480
3/4"x3/4"	5150034034	20/220
1" x 1"	5150100100	8/240

530
EQUAL T COUPLING



Available sizes: 1/2”x1/2”x1/2”, 3/4”x3/4”x3/4” eurokonus, 1”x1”x1”

SIZE	CODE	PACKING
1/2"	5300012012	16/336
3/4"	5300034034	8/168
1"	5300100100	6/126

535
FEMALE BRANCH T COUPLING



Available sizes: 1/2”x1/2”x1/2”, 3/4”x3/4”x3/4” eurokonus

SIZE	CODE	PACKING
1/2"	5350012012	14/294
3/4"	5350034034	8/168

540
MALE ELBOW



Available sizes: 1/2”x1/2”, 1/2”x3/4”eurokonus, 3/4”x3/4” eurokonus,1”x1”

SIZE	CODE	PACKING
1/2"x1/2"	5400012012	18/432
1/2"x3/4"	5400012034	13/312
3/4"x3/4"	5400034034	10/240
1"x1"	5400100100	8/168

545
FEMALE ELBOW



Available sizes: 1/2”x1/2”,1/2”Mx3/4”F, 3/4”x3/4” eurokonus

SIZE	CODE	PACKING
1/2"x1/2"	5450012012	14/336
1/2"x3/4"	5450012034	8/272
3/4"x3/4"	5450034034	8/272

548
BACKPLATE FEMALE ELBOW



Available sizes: 1/2”x1/2”, 3/4”x3/4” eurokonus

SIZE	CODE	PACKING
1/2"	5480012012	12/252
3/4"	5480034034	8/128

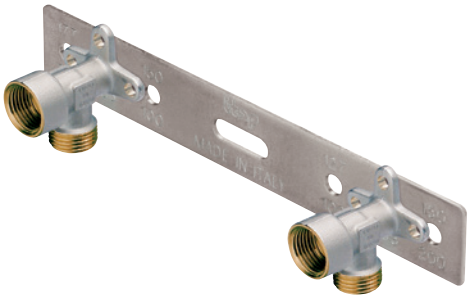
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530 - 535
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kiwa 515 - 530
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578

METAL TEMPLATE WITH 2 BACKPLATE ELBOWS



SIZE	CODE	PACKING
1/2"	578012012	4/56
3/4"	578034034	4/56

It allows the gratest 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: 20bar.

518N

MALE/MALE ADAPTER - 1” MANIFOLDS



SIZE	PRESSURE	CODE	PACKING
1/2"-1/2"	20bar/290psi	5180012012N	30/540
1/2"-3/4" EUROKONUS	20bar/290psi	5180012034N	20/480

Available sizes: 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.
1/2”x1/2” size is also suitable as adapter for flow meters on 1” manifolds.

519N

MALE/MALE ADAPTER - 1”1/4 MANIFOLDS



SIZE	PRESSURE	CODE	PACKING
1/2"-3/4" EUROKONUS	20bar/290psi	5190012034N	1/300

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).
It is also suitable as adapter for flow meters on 1”1/4 manifolds.

494

MALE END CAP WITH O-RING



SIZE	PRESSURE	CODE	PACKING
3/8"	10bar/145psi	4940038	50/1100
1/2"	10bar/145psi	4940012	40/720
3/4"	10bar/145psi	4940034	26/598
1"	10bar/145psi	4940100	16/384
1"1/4	10bar/145psi	4940114	12/264

Body in nickel-plated brass.
O-ring in EPDM.
Maximum working temperature: 100°C.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

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578 518 519

OREP

O-RING FOR CONICAL SEAT



Available for 1/2", 3/4" and 1" tails

SIZE	CODE	PACKING
1/2"	510EP020200	1/0
3/4"	OREP015617	1/0
1"	OREP022226	1/0

510NB

WASHER FOR FLAT SEATS



SIZE	CODE	PACKING
1/2"	510NB012	1/0
3/4"	510NB034	1/0
1"	510NB100	1/0

510EP

O-RING FOR TAIL



Material: EPDM.
Every tail has 2 o-rings.

SIZE	CODE	PACKING
14x2	510EP014200	1/0
16x2	510EP016200	1/0
16x2,25	510EP016225	1/0
17x2 - 18x2,5	510EP017200	1/0
18x2	510EP018200	1/0
20x2 - 20x2,25	510EP020200	1/0
20x2,5	510EP020250	1/0
26x3 - 25x2,5	510EP026300	1/0
32x3	510EP032300	1/0

680

PIPE DEBURRING TOOL



Suitable for pipes with diameter from 3mm to 35mm.
Material: metal.

CODE	PACKING
680012028	1/100

575

SHEAR FOR MULTILAYER AND PEX PIPES



Suitable for pipes with diameter from 12mm to 25mm.

CODE	PACKING
575014026	1/60

575L

SPARE BLADE FOR ART. 575



CODE	PACKING
575L	1/0

570

CONNECTING/ DISCONNECTING TOOL



CODE	PACKING
570014026	1/60

505
505R

MULTILAYER PEX-AL-PEHD PIPE, SIMPLE AND INSULATED



SIZE	PRESSURE	CODE
14x2	10bar/145psi	505004014200
16x2	10bar/145psi	505002016200
18x2	10bar/145psi	505002518200
20x2	10bar/145psi	505002520200
26x3	10bar/145psi	505003026300
32x3	10bar/145psi	505008032300



SIZE	PRESSURE	CODE
14x2	10bar/145psi	505004014200R
16x2	10bar/145psi	505002016200R
20x2	10bar/145psi	505002520200R
26x3	10bar/145psi	505003026300R
32x3	10bar/145psi	505008032300R

Suitable for heating and air conditioning plants, domestic water services.
Composition: cross-linked polyethylene type “b“ / aluminium / high density polyethylene.
Head-welded aluminium.
Maximum working temperature: 95°C.
Max working pressure (95°C): 10 bar.
14x2 size available till out of stock.

DIAMETER AND THICKNESS	14x2mm	16x2mm	18x2mm	20x2mm	26x3mm	32x3mm
INNER DIAMETER	10mm	12mm	14mm	16mm	20mm	26mm
LENGTH OF COIL	100m	100m	100m	100m	50m	50m
INNER SURFACE ROUGHNESS	7µm	7µm	7µm	7µm	7µm	7µm
THERMAL CONDUCTIVITY	0,43 W/mK	0,43 W/mK	0,43 W/mK	0,43 W/mK	0,43 W/mK	0,43 W/mK
EXPANSION RATIO	0,026 m/mK	0,026 m/mK	0,026 m/mK	0,026 m/mK	0,026 m/mK	0,026 m/mK
MINIMUM BENDING RADUS	5xD ext	5xD ext	5xD ext	5xD ext	5xD ext	5xD ext

505R

Available with a self-estinguishing insulating cover, for water systems and heating plants.
Sizes: 20x2mm, 26x3mm, 32x3mm are supplied with an insulating cover whose thickness is suitable for air conditioning plants as well.
The cover complies with law 10/91 and DPR 412 of 26th August 1993, covering pipes in heated rooms and/or in structures which do not overlook either the outside or non-heated rooms.

Technical feature of the insulated cover:
Colour: blu.
Material: PE-LD (low density polyethylene) expanded with closed cells, no CFC or HCFC included.
Density: 30Kg/m3 (DN 14, 16); 45Kg/m3 (DN 20, 26, 32).
Thermal conductivity: 0,0397 W/mK.
Permeability to steam: µ5500.
Fire reaction: class 1.

DIAMETER AND THICKNESS	14x2mm	16x2mm	20x2mm	26x3mm	32x3mm
THICKNESS OF INSULATING COVER	6mm	6mm	10mm	10mm	10mm
LENGTH OF COIL	50m	50m	50m	25m	25m

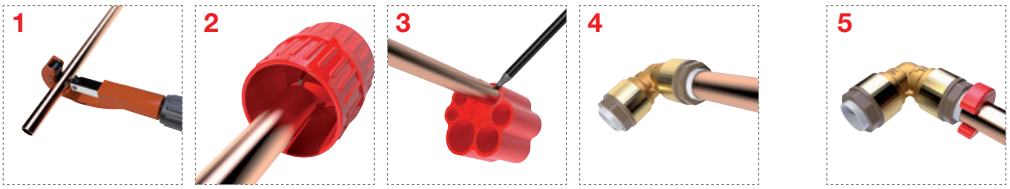
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itap-fit®

PUSH-FIT FITTINGS FOR COPPER, PEX AND POLYBUTYLENE



FOUR SIMPLE STEPS FOR A SAFE INSTALLATION



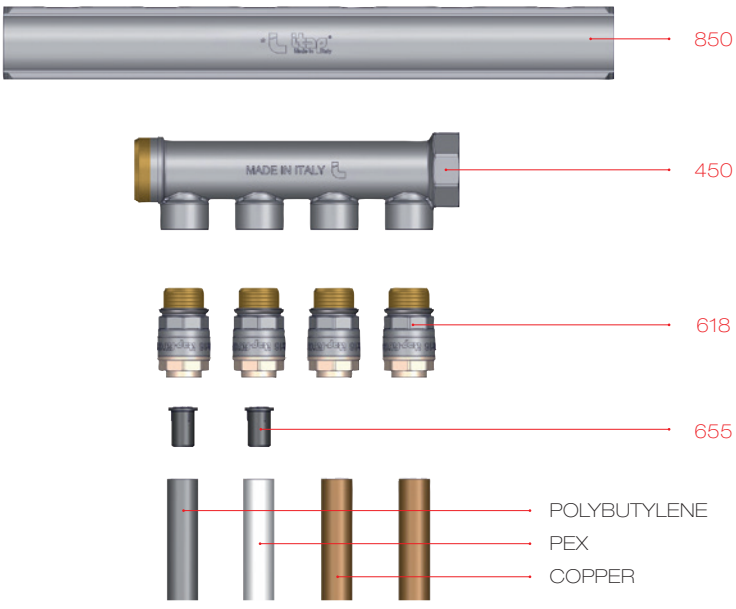
1. Cut the pipe by a rotary pipe cutter.
2. Deburr the external surface of the pipe.
3. Insert the pipe in the depth gauge and mark the pipe.
4. Insert the pipe by pushing it as far as it reaches the blocking point, that should correspond to the mark made before.
If you are using cross-linked polyethylene pipes (PEX) or polybutylene pipes you have to insert the liner before the connection.

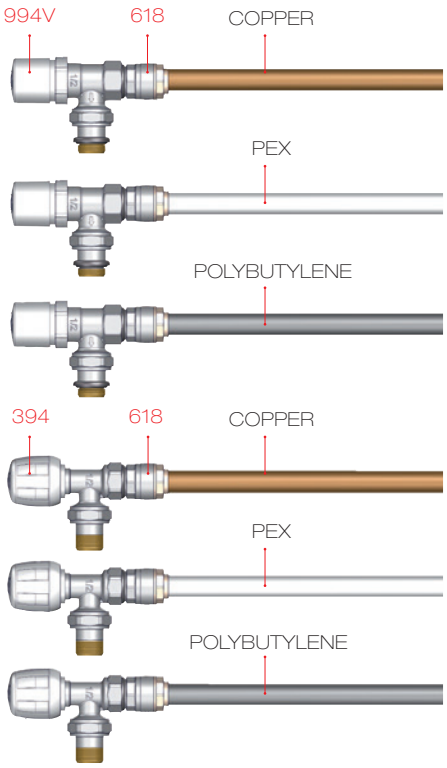
5. To disconnect the fitting you just need to push the release liner by the clip and at the same time pull the pipe.

ADVANTAGES

- 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

USE OF THE FITTINGS WITH COPPER, PEX AND POLYBUTYLENE





INFO

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).

610

STRAIGHT FEMALE CONNECTOR



SIZE	CODE	PACKING
12x3/8"	610B038012	18/378
12x1/2"	610B012012	14/294
14x1/2"	610B012014	14/294
15x1/2"	610B012015	14/294
16x1/2"	610B012016	14/294
18x1/2"	610B012018	7/210
18x3/4"	610B034018	7/210
20x1/2"	610B012020	10/210
22x3/4"	610B034022	5/150
25x3/4"	610B034025	8/168
28x1"	610B100028	5/95

615

STRAIGHT MALE CONNECTOR



SIZE	CODE	PACKING
12x3/8"	615B038012	24/720
12x1/2"	615B012012	18/378
14x3/8"	615B038014	18/378
14x1/2"	615B012014	18/378
15x1/2"	615B012015	18/378
16x1/2"	615B012016	15/450
18x1/2"	615B012018	15/240
18x3/4"	615B034018	15/240
20x1/2"	615B012020	14/224
22x3/4"	615B034022	12/192
25x3/4"	615B034025	11/176
28x1"	615B100028	8/152

620

STRAIGHT COUPLING



SIZE	CODE	PACKING
12	620C000012	12/360
14	620C000014	12/252
15	620C000015	12/252
16	620C000016	12/252
18	620C000018	12/192
20	620C000020	10/130
22	620C000022	8/128
25	620C000025	7/112
28	620C000028	6/114

625

STOP END



Suitable as
PLUG IN ORDER TO TEST INSTALLATIONS
with copper, PEX, PB, multilayer pipes.
The fitting is usable again.

SIZE	CODE	PACKING
12	625C000012	30/630
14	625C000014	25/525
15	625C000015	25/525
16	625C000016	25/525
18	625C000018	16/336
20	625C000020	14/294
22	625C000022	8/240

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625

INFO

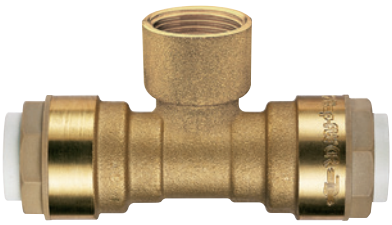
Bodies in de-zincification resistant brass (DZR).
Minimum and maximum working temperatures: -20°C, 120°C (allowed peaks of 150°C).
Nominal pressure:
Copper pipe: 20bar at 25°C, 10bar at 90°C.
PEX and polybutylene pipes: 12bar at 25°C, 5 bar at 90°C.
Threads: ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).

630
EQUAL T COUPLING



SIZE	CODE	PACKING
12x12x12	630C000012	8/240
14x14x14	630C000014	6/180
15x15x15	630C000015	6/180
16x16x16	630C000016	6/144
18x18x18	630C000018	6/96
20x20x20	630C000020	5/95
22x22x22	630C000022	5/95
25x25x25	630C000025	5/65
28x28x28	630C000028	4/72

635
FEMALE BRANCH T COUPLING



SIZE	CODE	PACKING
14x1/2"	635B012014	6/180
15x1/2"	635B012015	6/180
16x1/2"	635B012016	6/180
18x1/2"	635B012018	6/144
18x3/4"	635B034018	6/144
20x1/2"	635B012020	8/104
22x3/4"	635B034022	6/108
25x3/4"	635B034025	6/60
28x1"	635B100028	4/72

640
MALE ELBOW



SIZE	CODE	PACKING
12x3/8"	640B038012	12/360
12x1/2"	640B012012	12/360
14x1/2"	640B012014	12/360
15x1/2"	640B012015	12/360
16x1/2"	640B012016	10/300
18x1/2"	640B012018	10/240
18x3/4"	640B034018	10/240
20x1/2"	640B012020	10/240
22x3/4"	640B034022	8/192
25x3/4"	640B034025	8/128
28x1"	640B100028	6/114

645
FEMALE ELBOW



SIZE	CODE	PACKING
12x3/8"	645B038012	12/360
12x1/2"	645B012012	12/360
14x1/2"	645B012014	12/252
15x1/2"	645B012015	12/252
16x1/2"	645B012016	10/300
18x1/2"	645B012018	10/160
18x3/4"	645B034018	10/160
20x1/2"	645B012020	10/160
22x3/4"	645B034022	8/128
25x3/4"	645B034025	8/128
28x1"	645B100028	6/114

CERT

630
635
640
645

INFO

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



SIZE	CODE	PACKING
14x1/2"	648B012014	6/144
15x1/2"	648B012015	6/144
16x1/2"	648B012016	6/144

650

ELBOW COUPLING



SIZE	CODE	PACKING
12	650C000012	12/360
14	650C000014	10/300
15	650C000015	10/210
16	650C000016	10/240
18	650C000018	10/160
20	650C000020	8/152
22	650C000022	8/152
25	650C000025	6/114
28	650C000028	5/95

618

NICKEL-PLATED STRAIGHT MALE CONNECTOR, WITH AN O-RING



SIZE	CODE	PACKING
12x1/2"	6180012012	18/378
14x1/2"	6180012014	18/378
16x1/2"	6180012016	15/450

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: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

656

O-RING



SIZE	CODE	PACKING
12	656EP012	1/0
14	656EP014	1/0
15	656EP015	1/0
16	656EP016	1/0
18	656EP018	1/0
20	656EP020	1/0
22	656EP022	1/0
25	656EP025	1/0
28	656EP028	1/0

657

SPACER



SIZE	CODE	PACKING
12	657DI012	1/0
14	657DI014	1/0
15	657DI015	1/0
16	657DI016	1/0
18	657DI018	1/0
20	657DI020	1/0
22	657DI022	1/0
25	657DI025	1/0
28	657DI028	1/0

CERT

648 650 618

648 650

655
LINER



The liner has to be inserted into cross-linked polyethylene or polybutylene pipes before the joint to Itap-Fit® fittings is made.

COMPATIBILITY CHART OF THE LINER ART.655 TO CROSS-LINKED POLYETHYLENE (PEX) OR POLYBUTYLENE PIPES.

CODE	OUTSIDE DIAMETER X THICKNESS OF THE PIPE (mm)
655BU012110	12X1.1, 14X2
655BU012180	12X1.8
655BU015180	15X1.8, 16X2.2, 16X2.3
655BU015250	15X2.5
655BU016150	16X1.5, 17X2, 18X2.5
655BU016180	16X1.8, 17X2.3
655BU016200	16X2
655BU020190	20X1.9, 20X2, 22X3
655BU020280	20X2.8
655BU022200	22X2, 22X2.1, 25X3.5
655BU025230	25X2.3
655BU028280	28X2.8
655BU028300	28X3

SIZE	CODE	PACKING
12 x 1,1 14 x 2	655BU012110	50/0
12 x 1,8	655BU012180	50/0
15 x 1,8 16 x 2,2 16 x 2,3	655BU015180	50/0
15 x 2,5	655BU015250	50/0
16 x 1,5 17 x 2 18 x 2,5	655BU016150	50/0
16 x 1,8 17 x 2,3	655BU016180	50/0
16 x 2	655BU016200	50/0
20 x 1,9 20 x 2 22 x 3	655BU020190	40/0
20 x 2,8	655BU020280	40/0
22 x 2 22 x 2,1 25 x 3,5	655BU022200	40/0
25 x 2,3	655BU025230	40/0
28 x 2,8	655BU028280	20/0
28 x 3	655BU028300	20/0

658
FASTENING RING



SIZE	CODE	PACKING
12	658AG012	1/0
14	658AG014	1/0
15	658AG015	1/0
16	658AG016	1/0
18	658AG018	1/0
20	658AG020	1/0
22	658AG022	1/0
25	658AG025	1/0
28	658AG028	1/0

671
DISCONNECTING CLIP



SIZE	CODE	PACKING
12	671012	10/0
14	671014	10/0
15	671015	10/0
16	671016	10/0
18	671018	10/0
20	671020	10/0
22	671022	10/0
25	671025	10/0
28	671028	10/0

685
DEPTH GAUGE



CODE	PACKING
685012028	1/60

575
SHEAR



Suitable for pipes with diameter from 12mm to 25mm.

CODE	PACKING
575014026	1/60

680
PIPE DEBURRING TOOL



Suitable for pipes with diameter from 3mm to 35mm.
Material: metal.

CODE	PACKING
680012028	1/100

COMPRESSION FITTINGS FOR COPPER PIPE
ACCORDING TO UNI EN 1254-2 STANDARD

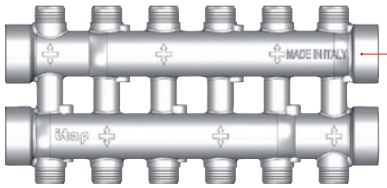
WITH BLACK OLIVE FOR WATER SYSTEMS AND FOOD USE



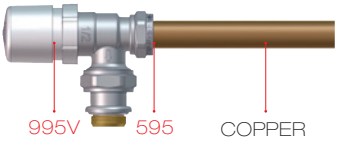


WITH YELLOW OLIVE FOR GAS AND FLUID HYDROCARBONS SYSTEMS

USE OF THE FITTINGS WITH COPPER PIPE

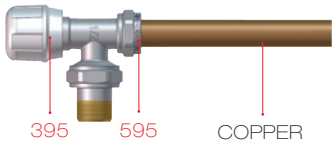


885 DUAL DISTRIBUTION MANIFOLD
1/2" male outlets, conical seat



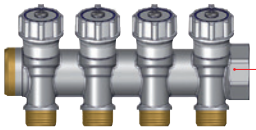


850 BRASS BAR DISTRIBUTION MANIFOLD





518 MALE/MALE ADAPTER



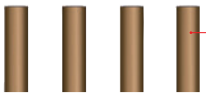
465 DISTRIBUTION MANIFOLD
WITH SHUT-OFF VALVES.
1/2" male outlets with conical seat



455 DISTRIBUTION MANIFOLD
1/2" male outlets with conical seat



595 NUT AND OLIVE



COPPER

595
598

595

595
NUT AND OLIVE



COMPRESSION FITTINGS FOR COPPER PIPES.
WATER SYSTEMS AND FOOD USE.
The olive complies with EN 681-1 standard.
Minimum and maximum working temperatures:
-25°C, 120°C.
Maximum working pressure: 16bar.
1/2" thread suitable for conical seats with an inner diamenter of 16mm.
3/4" thread suitable for EUROKONUS standard.

SIZE	CODE	PACKING
1/2"x12	595001212	50/600
1/2"x14	595001214	50/600
1/2"x15	595001215	50/600
1/2"x16	595001216	50/600

SIZE	CODE	PACKING
3/4"x15	595003415	25/300
3/4"x18	595003418	25/300

598
NUT AND OLIVE



COMPRESSION FITTINGS FOR COPPER PIPES.
GAS AND FLUID HYDROCARBONS SYSTEMS.
The olive complies with EN 682 standard.
Minimum and maximum working temperatures: -15°C, 50°C.
Maximum working pressure for gas: 5bar.
Maximum working pressure for hydrocarbons: 16bar.
1/2" thread suitable for conical seats with an inner diamenter of 16mm.
3/4" thread suitable for EUROKONUS standard.

SIZE	CODE	PACKING
1/2"x12	598001212	50/600
1/2"x14	598001214	50/600
1/2"x15	598001215	50/600
1/2"x16	598001216	50/600
3/4"x18	598003418	25/450

INFO

Male thread 1/2” equipped with a conical seat and inner diameter mm.16.
Male thread 3/4” eurokonus.
Maximum working pressure: 20 bar.

509
STRAIGHT FEMALE CONNECTOR



Available sizes: 1/2”x1/2”, 1/2”Mx3/4”F, 3/4”x3/4” EUROKONUS

SIZE	CODE	PACKING
1/2"x1/2"	5090012012	20/600
1/2"x3/4"	5090012034	15/345
3/4"x3/4"	5090034034	12/276

515
STRAIGHT MALE CONNECTOR



Available sizes: 1/2”x1/2”, 1/2”x3/4”eurokonus, 3/4”x3/4” EUROKONUS

SIZE	CODE	PACKING
1/2"x1/2"	5150012012	30/720
1/2"x3/4"	5150012034	20/480
3/4"x3/4"	5150034034	20/220

530
EQUAL T COUPLING



Available sizes: 1/2”X1/2”X1/2”, 3/4”X3/4”X3/4” EUROKONUS

SIZE	CODE	PACKING
1/2"	5300012012	16/336
3/4"	5300034034	8/168

535
FEMALE BRANCH T COUPLING



Available sizes: 1/2”X1/2”X1/2”, 3/4”X3/4”X3/4” EUROKONUS

SIZE	CODE	PACKING
1/2"	5350012012	14/294
3/4"	5350034034	8/168

540
MALE ELBOW



Available sizes: 1/2”X1/2”, 1/2”X 3/4” EUROKONUS, 3/4”X3/4” EUROKONUS

SIZE	CODE	PACKING
1/2"x1/2"	5400012012	18/432
1/2"x3/4"	5400012034	13/312
3/4"x3/4"	5400034034	10/240

545
FEMALE ELBOW



Available sizes: 1/2”X1/2”, 1/2”MX3/4”F, 3/4”X3/4” EUROKONUS

SIZE	CODE	PACKING
1/2"x1/2"	5450012012	14/336
1/2"x3/4"	5450012034	8/272
3/4"x3/4"	5450034034	8/272

548
BACKPLATE FEMALE ELBOW



Available sizes: 1/2”X1/2”, 3/4”X3/4” EUROKONUS

SIZE	CODE	PACKING
1/2"	5480012012	12/252
3/4"	5480034034	8/128

573
RING SPANNER



CODE	PACKING
573025030	1/60

Suitable for the installation of fittings art. 595 to manifolds.
The lack of space would make it difficult to use a regular spanner.

CERT

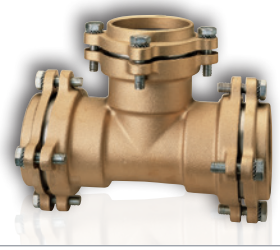
509 - 515
530 - 535
540
545
548

kiwa 515 - 530
535
540
545
548

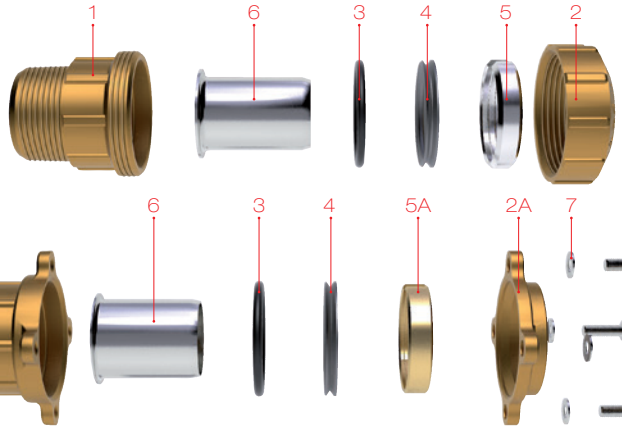
VX

SUITABLE FOR THE USE WITH HIGH AND LOW DENSITY POLYETHYLENE PIPES





MATERIALS

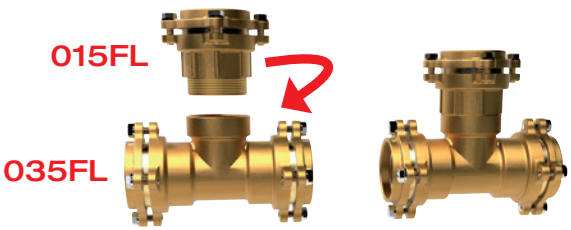


POS.	DESCRIPTION	Q.TY	MATERIAL
1	Body	1	CW 617N brass
2	Tightening brass nut	1	CW 617N brass
2A	Flanged tightening ring	1	CW 617N brass
3	O-ring	1	Elastomeric seal
4	O-ring pushing washer	1	Stainless steel AISI 304
5	Fastening ring	1	Nickel-plated brass CW 617N
5A	Fastening ring	1	CW 617N brass
6	Liner for pipes type S5	1	Stainless steel AISI 304
7	Notched washer for screw	4	Stainless steel AISI 304
8	Blocking screw	4	Stainless steel AISI 304

INSTALLATION



COUPLING COMBINATION 4" X 110 MM





INFO

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25bar.
Female threads from 1/2" to 4" and male threads 2"1/2, 3" and 4":
ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male threads from 1/2" to 2": ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).

010 010FL

STRAIGHT FEMALE CONNECTOR



SIZE	CODE	PACKING
1/2"x20	0100012020	20/220
3/4"x25	0100034025	15/165
1"x32	0100100032	12/120
1"1/4x40	0100114040	6/60
1"1/2x50	0100112050	4/32
2"x63	0100200063	2/26

010FL With flanges.

SIZE	CODE	PACKING
2"1/2x75	0100212075	4/16
3"x90	0100300090	2/10
4"x110	0100400110	2/4

015 015FL

STRAIGHT MALE CONNECTOR



SIZE	CODE	PACKING
1/2"x20	0150012020	20/220
3/4"x25	0150034025	15/165
1"x32	0150100032	12/120
1"1/4x40	0150114040	6/60
1"1/2x50	0150112050	4/32
2"x63	0150200063	2/26

015FL With flanges.

SIZE	CODE	PACKING
2"1/2x75	0150212075	4/16
3"x90	0150300090	2/10
4"x110	0150400110	2/4

020 020FL

STRAIGHT COUPLING



SIZE	CODE	PACKING
20	0200012020	12/192
25	0200034025	10/110
32	0200100032	8/64
40	0200114040	4/40
50	0200112050	2/32
63	0200200063	2/16

020FL With flanges.

SIZE	CODE	PACKING
75	0200212075	4/8
90	0200300090	2/4
110	0200400110	1/2

025

EXTENDED COUPLING SLEEVE, TO REPAIR PIPES



SIZE	CODE	PACKING
32	0250100032	6/48
40	0250114040	4/36
50	0250112050	2/20
63	0250200063	1/12

030 030FL

EQUAL T COUPLING



SIZE	CODE	PACKING
20	0300012020	6/96
25	0300034025	6/60
32	0300100032	4/32
40	0300114040	4/24
50	0300112050	2/18
63	0300200063	1/8

030FL With flanges.

SIZE	CODE	PACKING
75	0300212075	1/4
90	0300300090	1/2

CERT

010 - 010FL
015 - 015FL
020 - 020FL
025
030 - 030FL

010
015
020
025
030

INFO

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25bar.
Female threads from 1/2" to 4" and male threads 2"1/2, 3" and 4":
ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Male threads from 1/2" to 2": ISO 7/1 (equivalent to DIN EN 10226-1 and BS EN 10226-1).

035
035FL

FEMALE BRANCH T COUPLING



SIZE	CODE	PACKING
1/2"x20	0350012020	8/128
3/4"x25	0350034025	6/96
1"x32	0350100032	4/40
1"1/4x40	0350114040	4/36
1"1/2x50	0350112050	2/26
2"x63	0350200063	1/12

035FL With flanges.

SIZE	CODE	PACKING
2"1/2x75	0350212075	1/8
3"x90	0350300090	1/4
4"x110	0350400110	1/2

040
040FL

MALE ELBOW



SIZE	CODE	PACKING
1/2"x20	0400012020	15/165
3/4"x25	0400034025	12/120
1"x32	0400100032	8/64
1"1/4x40	0400114040	6/48
1"1/2x50	0400112050	4/32
2"x63	0400200063	2/24

040FL With flanges.

SIZE	CODE	PACKING
2"1/2x75	0400212075	1/8
3"x90	0400300090	1/4

045
045FL

FEMALE ELBOW



SIZE	CODE	PACKING
1/2"x20	0450012020	15/165
3/4"x25	0450034025	12/132
1"x32	0450100032	8/64
1"1/4x40	0450114040	6/48
1"1/2x50	0450112050	4/32
2"x63	0450200063	2/16

045FL With flanges.

	SIZE	CODE	PACKING
62,179	2"1/2x75	0450212075	1/8
96,157	3"x90	0450300090	1/8
169,664	4"x110	0450400110	1/4

050
050FL

ELBOW COUPLING



	SIZE	CODE	PACKING
4,278	20	0500012020	12/120
5,906	25	0500034025	10/100
9,494	32	0500100032	6/48
16,268	40	0500114040	4/32
23,169	50	0500112050	2/16
41,077	63	0500200063	2/16

050FL With flanges.

	SIZE	CODE	PACKING
88,783	75	0500212075	1/8
128,426	90	0500300090	1/4

048

BACKPLATE FEMALE ELBOW



SIZE	CODE	PACKING
1/2"x20	0480012020	15/120
3/4"x25	0480034025	12/96
1"x32	0480100032	8/64

CERT

035 - 035FL
040 - 040FL
045 - 045FL
050 - 050FL
048

035
040
045
050
048

055

STAINLESS STEEL LINER



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.

SIZE	CODE	PACKING
20	0550012020	100/2400
25	0550034025	75/975
32	0550100032	50/650
40	0550114040	30/420
50	0550112050	20/280
63	0550200063	10/140
75	0550212075	8/104
90	0550300090	6/78
110	0550400110	2/36

056

O-RING FOR VX AND VX-N FITTINGS



SIZE	CODE	PACKING
20	0560012020	1/0
25	0560034025	1/0
32	0560100032	1/0
40	0560114040	1/0
50	0560112050	1/0
63	0560200063	1/0
75	0560212075	1/0
90	0560300090	1/0
110	0560400110	1/0

057

O-RING PUSHING WASHER FOR VX AND VX-N FITTINGS



SIZE	CODE	PACKING
20	0570012020	1/0
25	0570034025	1/0
32	0570100032	1/0
40	0570114040	1/0
50	0570112050	1/0
63	0570200063	1/0
75	0570212075	1/0
90	0570300090	1/0
110	0570400110	1/0

058

FASTENING RING FOR VX AND VX-N FITTINGS



SIZE	CODE	PACKING
20	0580012020	1/0
25	0580034025	1/0
32	0580100032	1/0
40	0580114040	1/0
50	0580112050	1/0
63	0580200063	1/0
75	0580212075	1/0
90	0580300090	1/0
110	0580400110	1/0

CERT

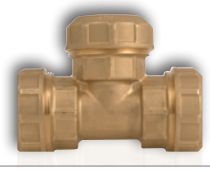
055 056 057 058

055 057 058

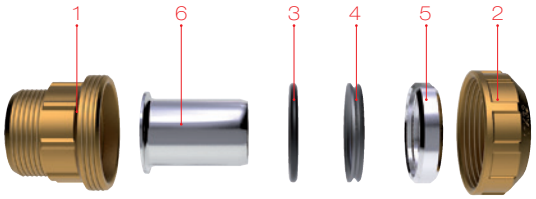
055

VX-N

SUITABLE FOR THE USE WITH HIGH AND LOW DENSITY POLYETHYLENE PIPES



MATERIALS



POS.	DESCRIPTION	Q.TY	MATERIAL
1	Body	1	CW 617N brass
2	Tightening brass nut	1	CW 617N brass
3	O-ring	1	Elastomeric seal
4	O-ring pushing ring	1	Stainless steel AISI 304
5	Fastening ring	1	Nickel-plated CW 617N brass
6	Liner for pipes type S5	1	Stainless steel AISI 304

INSTALLATION



INFO

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25bar.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

710

STRAIGHT FEMALE CONNECTOR



SIZE	CODE	PACKING
1/2"x20	7100012020	20/320
3/4"x25	7100034025	15/240
1"x32	7100100032	12/120
1"1/4x40	7100114040	6/108

715

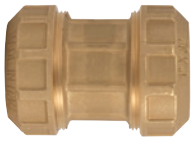
STRAIGHT MALE CONNECTOR



SIZE	CODE	PACKING
1/2"x20	7150012020	20/320
3/4"x25	7150034025	15/240
1"x32	7150100032	12/120
1"1/4x40	7150114040	6/60

720

STRAIGHT COUPLING



SIZE	CODE	PACKING
20	7200012020	12/288
25	7200034025	10/160
32	7200100032	8/104
40	7200114040	4/72

730

EQUAL T COUPLING



SIZE	CODE	PACKING
20	7300012020	6/144
25	7300034025	6/108
32	7300100032	4/52
40	7300114040	4/36

CERT

710 - 715
720 - 730
735 - 740
745 - 750
055 - 057 - 058

710 - 715
720 - 730
735 - 740
745 - 750

710 - 715
720 - 730
735 - 740
745 - 750 - 055

INFO

Minimum and maximum working temperatures: -20°C, 110°C (in absence of steam).
Nominal pressure: 25bar.
Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

735
FEMALE BRANCH T COUPLING



SIZE	CODE	PACKING
1/2"x20	7350012020	8/192
3/4"x25	7350034025	6/144
1"x32	7350100032	4/72
1"1/4x40	7350114040	4/48

740
MALE ELBOW



SIZE	CODE	PACKING
1/2"x20	7400012020	15/240
3/4"x25	7400034025	12/120
1"x32	7400100032	8/80
1"1/4x40	7400114040	6/72

745
FEMALE ELBOW



SIZE	CODE	PACKING
1/2"x20	7450012020	15/240
3/4"x25	7450034025	12/192
1"x32	7450100032	8/104
1"1/4x40	7450114040	6/72

750
ELBOW COUPLING



SIZE	CODE	PACKING
20	7500012020	12/216
25	7500034025	10/100
32	7500100032	6/78
40	7500114040	4/48

055
STAINLESS STEEL LINER



SIZE	CODE	PACKING
20	0550012020	100/2400
25	0550034025	75/975
32	0550100032	50/650
40	0550114040	30/420

056
O-RING FOR VX AND VX-N FITTINGS



SIZE	CODE	PACKING
20	0560012020	1/0
25	0560034025	1/0
32	0560100032	1/0
40	0560114040	1/0

057
O-RING PUSHING WASHER FOR VX AND VX-N FITTINGS



SIZE	CODE	PACKING
20	0570012020	1/0
25	0570034025	1/0
32	0570100032	1/0
40	0570114040	1/0

058
FASTENING RING FOR VX AND VX-N FITTINGS



SIZE	CODE	PACKING
20	0580012020	1/0
25	0580034025	1/0
32	0580100032	1/0
40	0580114040	1/0

CERT

010 - 010FL
015 - 015FL
020 - 020FL
025
030 - 030FL

010
015
020
025
030

MECHANICAL FITTINGS

INFO

Suitable for domestic water services, heating and air-conditioning plants, compressed air systems. Body in brass or nickel-plated brass. Minimum and maximum working temperatures: -20°C, 120°C (in absence of steam). Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

151

3-PIECE STRAIGHT CONNECTOR, FLAT WASHER



SIZE	PRESSURE	CODE	PACKING
1/2"	50bar/725psi	1510012	20/220
3/4"	40bar/580psi	1510034	15/150
1"	40bar/580psi	1510100	12/96
1"1/4	30bar/435psi	1510114	8/64
1"1/2	30bar/435psi	1510112	6/30
2"	25bar/362,5psi	1510200	2/26

152

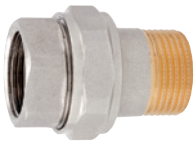
3-PIECE ELBOW, FLAT WASHER



SIZE	PRESSURE	CODE	PACKING
1/2"	50bar/725psi	1520012	15/240
3/4"	40bar/580psi	1520034	12/96
1"	40bar/580psi	1520100	8/64
1"1/4	30bar/435psi	1520114	6/48

161

3-PIECE STRAIGHT CONNECTOR, WITH O-RING



Size 1”1/2 and 2” have flat seat.

SIZE	PRESSURE	CODE	PACKING
1/2"	50bar/725psi	1610012	20/220
3/4"	40bar/580psi	1610034	15/150
1"	40bar/580psi	1610100	12/96
1"1/4	30bar/435psi	1610114	8/64
1"1/2	30bar/435psi	1610112	6/30
2"	25bar/362,5psi	1610200	2/26

161G

3-PIECE STRAIGHT CONNECTOR, WITH O-RING



SIZE	PRESSURE	CODE	PACKING
1/2"	50bar/725psi	1610012G	20/220
3/4"	40bar/580psi	1610034G	15/150
1"	40bar/580psi	1610100G	12/96
1"1/4	30bar/435psi	1610114G	8/64

162

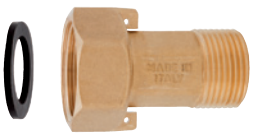
3-PIECE ELBOW, WITH O-RING



SIZE	PRESSURE	CODE	PACKING
1/2"	50bar/725psi	1620012	15/240
3/4"	40bar/580psi	1620034	12/96
1"	40bar/580psi	1620100	8/64
1"1/4	30bar/435psi	1620114	6/48

154

CONNECTOR FOR WATER METERS



SIZE	PRESSURE	CODE	PACKING
3/4"x1/2"	20bar/290psi	1540034	2/400
1"x3/4"	20bar/290psi	1540100	2/200
1"1/4x1"	20bar/290psi	1540114	2/100
1"1/2x1"1/4	20bar/290psi	1540112	2/80
2"x1"1/2	20bar/290psi	1540200	2/40
2"1/2x2"	20bar/290psi	1540212I	1/28

Available also with NPT thread.
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: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

CERT

151 - 152
161 - 161G
162 - 154

151 - 152
161 - 161G
162
154: 3/4” - 1”

151 - 152
161 - 161G
162

110

5-WAY CONNECTOR FOR PUMPS AND TANKS



SIZE	PRESSURE	CODE	PACKING
1"	25bar/362.5psi	1100100	1/125

Body in brass.
Nominal pressure: 25bar.
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).

275

REDUCTION 3/8"X1/2"



SIZE	CODE	PACKING
3/8"x1/2"	2750012	250/3250

Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

276

REDUCTION 3/4"X1/2", INNER HEXAGON



SIZE	CODE	PACKING
3/4"x1/2"	2760034	125/875

Threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

142

PTFE TAPER



CODE	PACKING
1420012	250/500

Available size: mm12xmm0,076.
Length: m12.

INFO

Composition: anaerobic methacrylate
Colour: yellow
Viscosity (+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 m
Locking torque prevailing (ISO 10964): 7 - 14 N 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.
Approved for use with gaseous oxygen up to 10 Bars and +60°C (BAM Ref. N° II-717/2007 E).
WRAS listed for contact with wholesome (potable) water, approval number 1310513.
NSF registered in cat. P1(n. 141234) as acceptable for use as a sealant in and around food processing area
It replaces PTFE tape and yarn and gives instant sealing against moderate pressure.
It seals against gas, water, LPG, hydrocarbons, oils and other chemicals.
Thixotropic property prevents migration of sealant from thread before or during curing.
Shock and vibrations resistant, sealing properties unaffected over the temperature range from -55°C to +150°C.

ROL075

THREAD SEALING FOR METAL THREAD JOINTS



Ml. 75

CODE	PACKING
ROL075	7/84

TUB100

THREAD SEALING FOR METAL THREAD JOINTS



Ml. 100

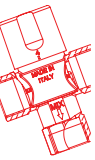
CODE	PACKING
TUB100	7/84

CERT

110
275
276

110

ACCESSORIES FOR SOLAR HEATING SYSTEMS



362S 156



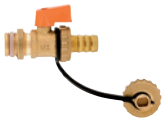
Automatic air vent valve for solar heating systems

477 156



Temperature and pressure relief valve for solar heating systems

139S 157



Drain ball valve with brass hose connection for solar heating systems

990 157



Electric actuator for zone ball valves

156 **475**



Thermostatic mixing valve for solar heating systems

156 **478**



Diaphragm safety relief valve - f/f threads - for solar heating systems

157 **982**



3-way diverter zone ball valve

157 **991**



Electric actuator for zone ball valves with manual unlocking device



ACCESSORIES FOR SOLAR HEATING SYSTEMS

362S

AUTOMATIC AIR VENT VALVE FOR SOLAR HEATING SYSTEMS



SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	3620038S	10/120
1/2" (DN 15)	10bar/145psi	3620012S	10/120

Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 180°C.
Nominal pressure: 10 bar.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

475

THERMOSTATIC MIXING VALVE FOR SOLAR HEATING SYSTEMS



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	10bar/145psi	4750034	1/24
1" (DN 25)	10bar/145psi	4750100	1/24

Body in lead free brass CW510L. Female threads.
Nominal pressure: 10 bar.
Maximum working temperature: 110°C.
Setting range: from 35°C to 55°C.
KV= 1,7 m3/h (3/4"); 3,0 m3/h (1").
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

477

TEMPERATURE AND PRESSURE RELIEF VALVE FOR SOLAR HEATING SYSTEMS



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	10bar/145psi	4770034	1/60

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.
Thread ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

478

DIAPHRAGM SAFETY RELIEF VALVE - F/F THREADS - FOR SOLAR HEATING SYSTEMS



SIZE	PRESSURE	CODE	PACKING
1/2"x3/4"	10bar/145psi	4780012	10/100

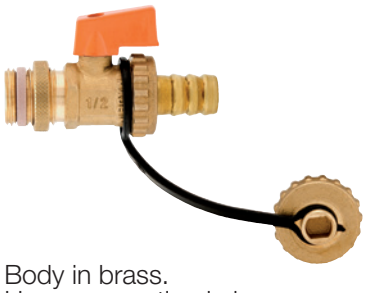
It provides automatic pressure relief protection for hot water and storage tank.
It is equipped with a manually operating lever.
The valve lever must be manually operated at least once a year to insure that the water-ways are clear.
Body in nickel-plated brass.
Maximum working pressure: 10bar.
Available 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).

CERT

362S
475
477
478

139S

DRAIN BALL VALVE WITH BRASS HOSE CONNECTION FOR SOLAR HEATING SYSTEMS



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	1390012S	20/160

Body in brass.
Hose connection in brass.
Minimum and maximum working temperature: -10°C, 140°C.
Thread: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

982

3-WAY DIVERTER ZONE BALL VALVE



SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	16bar/232psi	9820034	1/30
1" (DN 25)	16bar/232psi	9820100	1/18

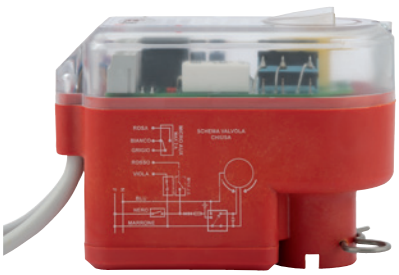
Body in nickel-plated brass.
Full flow ball.
Maximum working pressure: 16bar.
Maximum differential pressure: 10bar.
Minimum and maximum working temperatures: -10°C (with antifreeze solution), 100°C.
Threads ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Suitable for the electric actuators art. 990 and 991.

INFO

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.

990

ELECTRIC ACTUATOR FOR ZONE BALL VALVES



SIZE	CODE	PACKING
230V x 25sec	99023025	1/18
230V x 50sec	99023050	1/18

991

ELECTRIC ACTUATOR FOR ZONE BALL VALVES WITH MANUAL UNLOCKING DEVICE



SIZE	CODE	PACKING
230V x 25sec	99123025	1/18
230V x 50sec	99123050	1/18
24V x 50sec	99102450	1/18

CERT

139S 982 990 991

982 990 991

139S



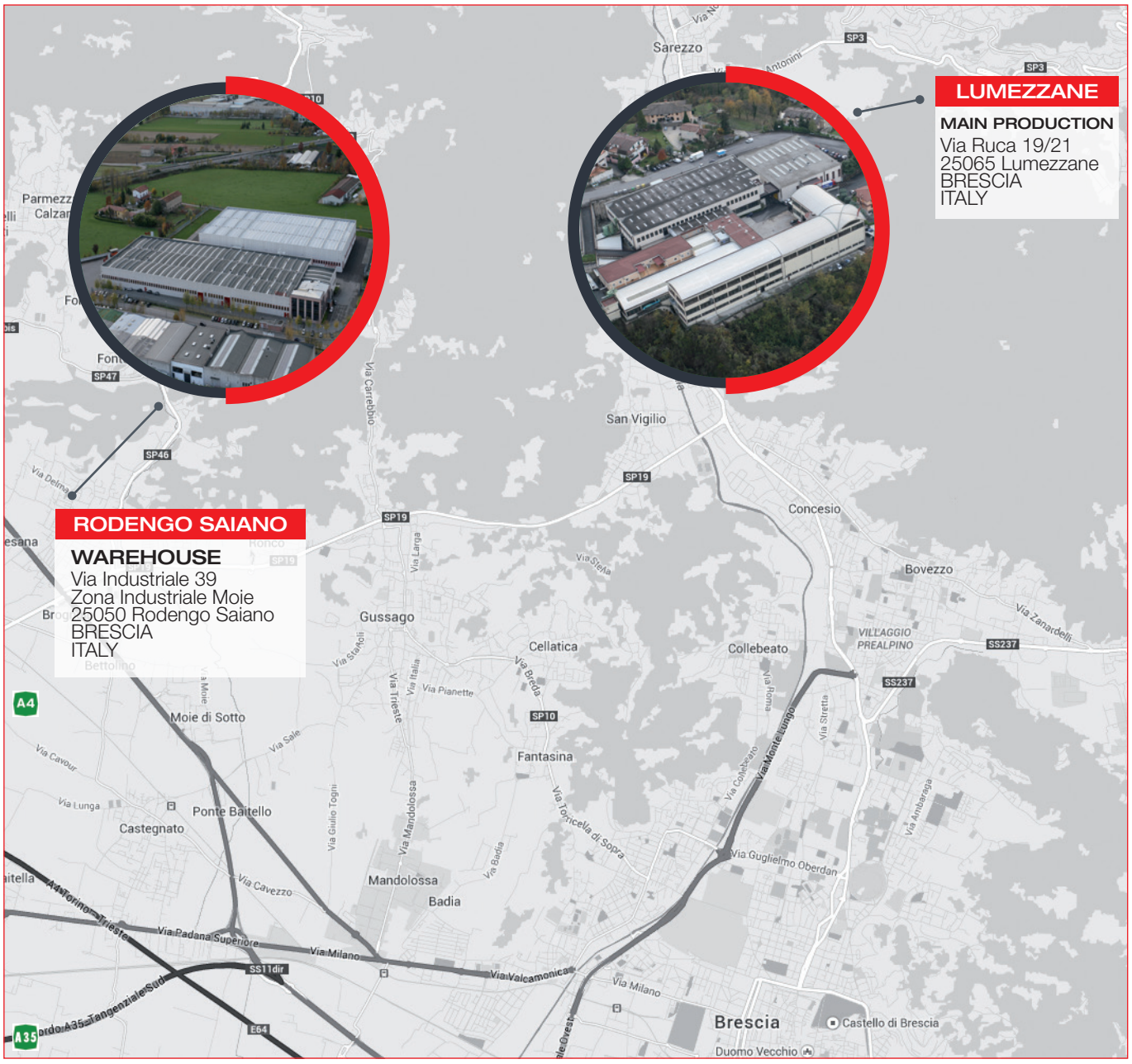
010	Straight female connector	**147**
010FL	Straight female connector with flange	**147**
015	Straight male connector	**147**
015FL	Straight male connector with flange	**147**
020	Straight coupling	**147**
020FL	Straight coupling with flanges	**147**
025	Extended coupling sleever, to repair pipes	**147**
030	Equal T coupling	**147**
030FL	Equal T coupling with flanges	**147**
035	Female branch T coupling	**148**
035FL	Female branch T coupling with flanges	**148**
040	Male elbow	**148**
040FL	Male elbow with flanges	**148**
045	Female elbow	**148**
045FL	Female elbow with flanges	**148**
048	Backplate female elbow	**148**
050	Elbow coupling	**148**
050FL	Elbow coupling with flanges	**148**
055	Stainless steel liner	**149**
055	Stainless steel liner	**151**
056	O-ring for VX and VX-N fittings	**149**
056	O-ring for VX and VX-N fittings	**151**
057	O-ring pushing washer for VX and VX-N	**149**
057	O-ring pushing washer for VX and VX-N	**151**
058	Fastening ring for VX and VX-N	**149**
058	Fastening ring for VX and VX-N	**151**
060	Gas angle ball valve	**41**
062	Gas angle ball valve with revolving female nut	**41**
066	LONDON® ball valve, full flow	**38**
067	LONDON® ball valve, full flow	**38**
068	LONDON® ball valve, full flow	**38**
069	LONDON® ball valve, full flow	**39**
070	BERLIN® ball valve, full flow	**40**
071	BERLIN® ball valve, full flow	**40**
072	BERLIN® ball valve, full flow	**40**
073	BERLIN® ball valve, full flow	**40**
076	MADRID® ball valve, full flow	**17**
077	MADRID® ball valve, full flow	**17**
078	MADRID® ball valve, full flow	**17**
079	MADRID® ball valve, full flow	**17**
080	PARIS® ball valve, full flow	**18**
081	PARIS® ball valve, full flow	**18**
082	PARIS® ball valve, full flow	**18**
083	PARIS® ball valve, full flow	**18**
084	Flat lever handle for ball valves	**26**
084G	Flat lever handle for ball valves	**42**
084LK	Locking device for lockable flat lever handle	**27**
084PP	Pin for locking device	**27**
086	Lever handle for ball valves and bibcocks	**26**
086G	Lever handle for ball valves	**42**
087	T handle for ball valves and bibcocks	**28**
087G	T handle for ball valves	**42**
088	Extended handle for lined piping	**28**
090	IDEAL® ball valve, full flow	**19**
091	IDEAL® ball valve, full flow	**19**
092	IDEAL® ball valve, full flow	**19**
092K	Ball valve kit	**109**
093	IDEAL® ball valve, full flow	**19**
098	IDEAL® ball valve, full flow, for manifolds	**20**
098S	IDEAL® ball valve with o-ring, full flow, for manifolds	**20**
098SDC	IDEAL® ball valve, full flow, for manifolds, without union	**20**
098SK	Ball valve kit	**116**
099	Full flow ball valve, male/male threads	**29**
100	EUROPA® check valve	**3**
101	BLOCK® check valve	**7**
102	Strainer for EUROPA®, YORK®, ROMA®, BLOCK®	**9**
103	YORK® check valve	**5**
104	ROMA® check valve	**9**
105	EUROPA® foot valve	**3**
106	BLOCK® foot valve	**7**
107	Strainer for EUROPA®, YORK®, ROMA®, BLOCK®	**9**
108	YORK® foot valve	**5**
110	5-way connector for oumps and tanks	**153**
111	ORIENT® ball valve, reduced flow	**24**
112	ORIENT® ball valve, reduced flow	**24**
113	ORIENT® ball valve, reduced flow	**24**
114	ORIENT® ball valve, reduced flow	**24**
115	Full flow ball valve with drain cock	**29**
116	VIENNA® ball valve, standard flow	**22**
117	VIENNA® ball valve, standard flow	**22**
118	VIENNA® ball valve, standard flow	**22**
119	VIENNA® ball valve, standard flow	**23**
125	MINI ball valve	**28**
126	MINI ball valve	**28**
128	3-way ball valve	**29**
130	Swing check valve	**11**
131	SPIN® Hose bibcock with mobile connection	**31**
132	Ball hose bibcock	**31**
133	Ball hose bibcock	**31**
134	Ball hose bibcock	**31**
136	Build-in ball valve with blind cap	**46**
138	Build-in ball valve with handle	**46**
139	Drain ball valve with brass hose connection	**34**
139R	Drain ball valve with brass hose connection and plastic handle	**34**
139S	Drain ball valve with brass hose connection for solar heating systems	**157**
140	Foot valve	**11**
142	Teflon tape	**153**
143	EUROPRESS pressure reducing valve	**54**
143MM	EUROPRESS pressure reducing valve without connection	**54**
144	Ball hose bibcock with lockpad eye and brass connection	**34**
145	STREAM® ball valve, full flow	**25**
151	3-piece straight connector, flat washer	**152**
152	3-piece elbow, flat washer	**152**
154	Connection for water meters	**152**
156	Gate valve PN16	**30**
161	3-piece straight connector, with o-ring	**152**
161G	3-piece straight connector, with o-ring	**152**
162	3-piece elbow, with o-ring	**152**
166	GAR ball hose bibcock	**32**
167	GAR ball hose bibcock	**32**
168	GAR ball hose bibcock	**32**
170	GAR ball bibcock	**33**
172	GAR ball bibcock	**33**
174	GAR ball hose bibcock	**32**
176	GAR ball hose bibcock	**32**
178	GAR ball hose bibcock	**33**
180	GAR ball hose bibcock	**33**
189	Self-cleaning strainer	**59**
189CA	Cartridge for self-cleaning strainer art. 189	**59**
191	Garden hose bibcock with brass connection	**34**

192	Y strainer	**57**
192CA	Cartridge for Y strainer art. 192	**57**
192CA	Cartridge for Y strainer art. 192	**58**
193	Nickel-plated Y strainer	**58**
194	Air vent valve	**124**
194O	Adjustable nickel-plated air vent valve	**125**
195	Revolving drain cock	**125**
196	Drain cock	**125**
211	ORIENT® ball valve, reduced flow	**24**
216	VIENNA® ball valve, standard flow	**23**
217	VIENNA® ball valve, standard flow	**23**
220	Bibcock with washing machine valve	**49**
225	Horizontal washing machine valve, heavy pattern	**49**
226	Horizontal washing machine valve	**49**
228	Inclined washing machine valve	**49**
230	One-piece spacer for faucets	**50**
240	Washing machine and dishwasher valve	**50**
243	EUROPRESS pressure reducing valve, DZR brass	**55**
250	Washing machine valve	**50**
255	3-way washing machine valve	**50**
266	LONDON® ball valve, full flow	**39**
267	LONDON® ball valve, full flow	**39**
275	Reduction 3/8”x1/2”	**153**
276	Nickel-plated 1/2”x3/4” reduction, inner hexagon	**153**
280	Brass hose connection	**35**
282	Nylon hose connection	**35**
282O	Mobile hose connection in nylon	**35**
285	Stainless steel rosette	**48**
286	Plastic rosette	**70**
294	Straight manual valve, female thread	**68**
294S	Straight manual valve, female thread, with O-ring	**69**
295	Straight manual valve, male thread	**68**
295S	Straight manual valve, male thread, with O-ring	**69**
296	Straight lockshield, female thread	**68**
296S	Straight lockshield, female thread, with O-ring	**62**
296S	Straight lockshield, female thread, with O-ring	**69**
297	Straight lockshield, male thread	**68**
297S	Straight lockshield, male thread, with O-ring	**62**
297S	Straight lockshield, male thread, with O-ring	**69**
298	IDEAL® angle ball valve, full flow, for manifols	**21**
298S	IDEAL® angle ball valve, with o-ring, full flow, for manifolds	**21**
298SDC	IDEAL® angle ball valve full flow, for manifolds,without union	**21**
298SK	Angle ball valve kit	**116**
299	Plug for radiators with air vent valve	**125**
305	Straight two pipe valve for panel radiators	**70**
306	Fitting for straight and angle two pipe valve for panel radiator	**70**
306K	Two-pipe valves adapter, with thread 3/4” M	**70**
315	Angle two pipe valve for panel radiators	**70**
340	Build-in valve with blind cap	**46**
345	Buid-in valve with handle	**46**
346	Supply stop	**47**
348	Supply stop with nut and washer	**47**
350L	Supply bibcock, polished brass	**35**
355L	Hose bibcock, polished brass	**35**
355S	Hose bibcock, sandblasted/chromed brass	**35**
360	MINIPRESS pressure reducing valve	**56**
361	MINIPRESS pressure reducing valve, pressure gauge connection	**56**
362	Automatic air vent valve	**123**
362R	Automatic air vent valve, compact	**123**
362S	Automatic air vent valve for solar heating systems	**156**
363	Automatic air vent valve, side outlet	**123**
364	Automatic air vent valve, side inlet	**123**
364R	Automatic air vent valve, side inlet, compact	**123**
365	Automatic check valve	**124**
366	Safety relief valve for boilers	**124**
367	Safety relief valve for boilers, with lever handle	**124**
368	Diaphragm safety relief valve, female/female threads	**126**
368M	Diaphragm safety relief valve, female/female threads with pressure gauge connection	**126**
369	Diaphragm safety relief valve, male/female threads	**126**
369M	Diaphragm safety relief valve, male/female threads, with pressure gauge connection	**126**
375	Toilet tank valve	**48**
376	GREEN® ball valve, full flow	**16**
377	GREEN® ball valve, full flow	**16**
378	GREEN® ball valve, full flow	**16**
379	GREEN® ball valve, full flow	**16**
385	Ball supply stop with strainer	**47**
386	Ball supply stop with articulated connection	**47**
387	Supply stop and washing machine valve	**48**
390	Drain trap for washing machines	**51**
391	Washing machine ball valve	**51**
392	Washing machine ball valve	**51**
394	Angle manual valve, female thread	**68**
394S	Angle manual valve, female thread, with O-ring	**69**
395	Angle manual valve, male thread	**68**
395S	Angle manual valve, male thread, with O-ring	**69**
396	Angle lockshield, male thread	**68**
396S	Angle lockshield, male thread, with O-ring	**63**
396S	Angle lockshield, male thread, with O-ring	**69**
397	Angle lockshield, male thread	**68**
397S	Angle lockshield, male thread, with O-ring	**63**
397S	Angle lockshield, male thread, with O-ring	**69**
450	Modular distribution manifold, female outlets	**74**
455	Modular distribution manifold, male outlets	**74**
456	Modular distribution manifold, 1/2” male outlets, flat seat	**74**
465	Modular distribution manifold with shut-off valves, male outlets	**74**
471N	Adapter for flow meters - 1” manifolds	**113**
471FL	Flow meter	**113**
475	Thermostatic mixing valve for solar heating systems	**156**
477	Temperature and pressure relief valve for solar heating systems	**156**
478	Diaphragm safety relief valve - f/f threads - for solar heating systems	**156**
482	Pressure gauge, bottom connection,0-10bar	**120**
482R	Pressure gauge, bottom connection, 0-6bar	**121**
483	Pressure gauge back connectiom, 0-10bar	**121**
483R	Pressure gauge back connection, 0-6bar	**121**
484	Thermometer and pressure gauge, bottom connection	**122**
485	Thermometer and pressure gauge, back connection	**122**
487K01	Straight ball valve and thermometer fitting kit	**117**
487K02	Angle ball valve and thermometer fitting kit	**117**
488	Angle valve	**51**
489A	Adjustable end piece with drain valve and automatic air vent valve	**114**
489AR	Adjustable end piece with drain valve and automatic air vent valve	**114**
489M	Adjustable end piece with drain valve and manual air vent valve	**114**
489MR	Adjustable end piece with drain valve and manual air vent valve	**114**
489SO	Adjustable drain valve	**114**

490	Male end fitting for manifolds	**118**
490S	Adjustable male end fitting for manifolds	**118**
491	Female end fitting for manifolds	**118**
492	Thermometer fitting	**119**
492B	Thermometer union	**119**
492BC	Thermometer union complete with thermometer	**21**
492BC	Thermometer union complete with thermometer	**119**
492C	Thermometer fitting, complete with thermometer	**119**
492N	Surface thermometer	**118**
493	Thermometer, back connection	**122**
494	Male end cap with o-ring	**120**
494	Male end cap with o-ring	**136**
495	Male end fitting with o-ring	**120**
496	Female end cap with washer	**120**
498	Metal box for manifolds	**84**
498	Metal box for manifolds	**92**
498	Metal box for manifolds	**98**
498	Metal box for manifolds	**105**
498	Metal box for manifolds	**110**
498ST	Mounting brackets in steel for metal boxes	**84**
498ST	Mounting brackets in steel for metal boxes	**92**
498ST	Mounting brackets in steel for metal boxes	**98**
498ST	Mounting brackets in steel for metal boxes	**105**
498ST	Mounting brackets in steel for metal boxes	**110**
499	Universal plastic box for manifolds	**77**
499	Universal plastic box for manifolds	**82**
499	Universal plastic box for manifolds	**96**
499CC	Set to fix simple manifolds to plastic boxes	**77**
499CC	Set to fix simple manifolds to plastic boxes	**82**
499CC	Set to fix simple manifolds to plastic boxes	**96**
499CS	Set to fix dual manifolds to plastic boxes	**77**
499CS	Set to fix dual manifolds to plastic boxes	**82**
499CS	Set to fix dual manifolds to plastic boxes	**96**
505	Multilayer pipe PEX-AL-PEHD	**138**
505R	Insulated multilayer pipe PEX-AL-PEHD	**138**
509	Straight female connector	**135**
509	Straight female connector	**145**
510	MULTI-FIT® straight female connector	**134**
510EP	O-ring for tail	**137**
510NB	Washer for flat seats	**137**
515	Straight male connector	**145**
515	Straight male connector	**135**
518N	Male/male adapter - 1" manifolds	**113**
518N	Male/male adapter - 1" manifolds	**136**
519N	Male/male adapter with an o-ring for art. 860 - 1"1/4	**113**
519N	Male/male adapter with an o-ring for art. 860 - 1"1/4	**136**
530	Equal T coupling	**135**
530	Equal T coupling	**145**
535	Female branch T coupling	**135**
535	Female branch T coupling	**145**
540	Male elbow	**135**
540	Male elbow	**145**
545	Female elbow	**135**
545	Female elbow	**145**
548	Backplate female elbow	**135**
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WHERE WE ARE:

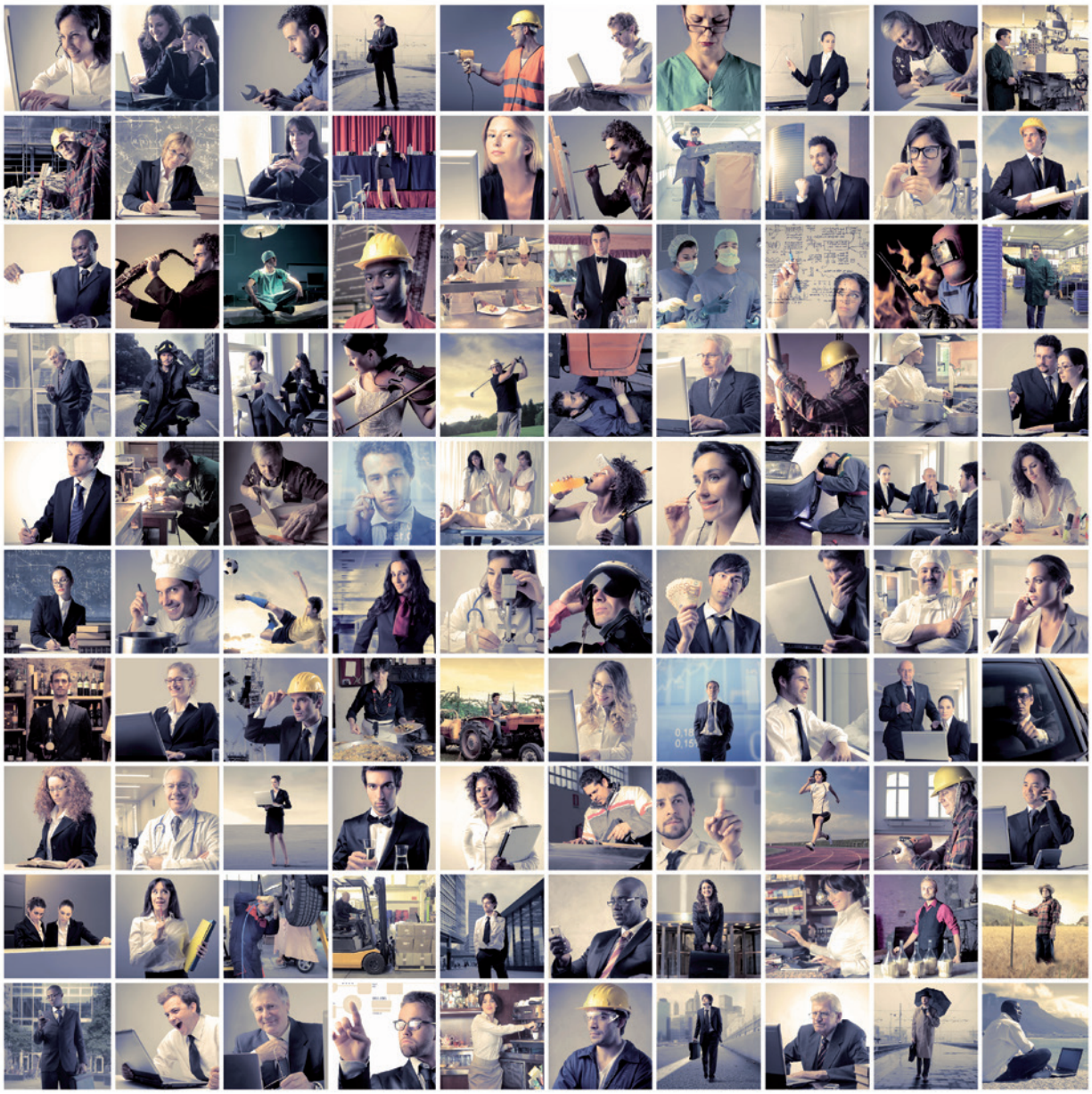


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BreBeMi
Warehouse ITAP Rodengo Saiano- Raccordo A35: 7,2 Km

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Strongly believing that people are the cornerstone of success, our customers and staff are what we mainly care for.

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