

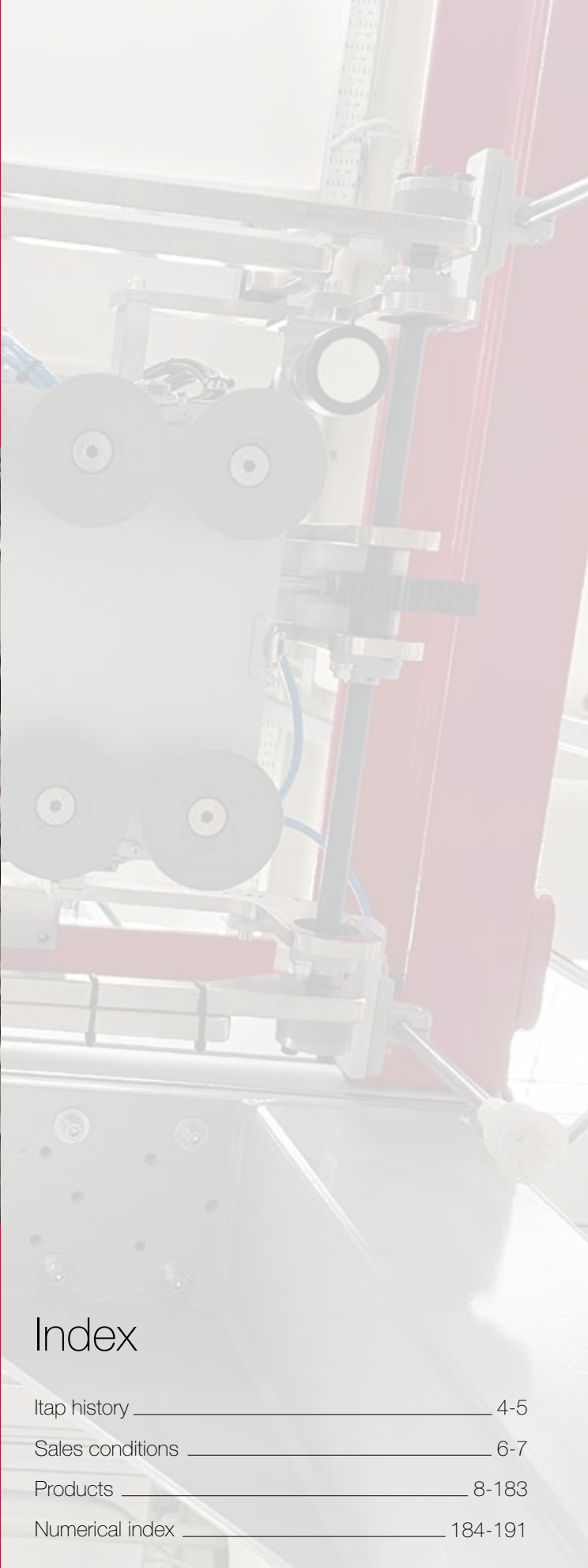


GENERAL
CATALOGUE
2024

20
24



وزارة الصحة



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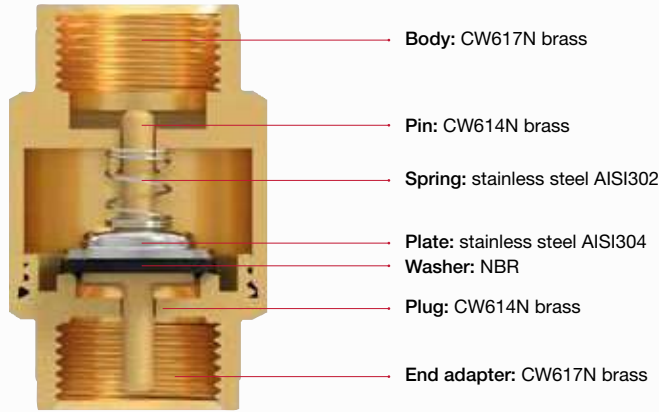
Accessories for solar heating systems





EUROPA®

MATERIALS



100



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



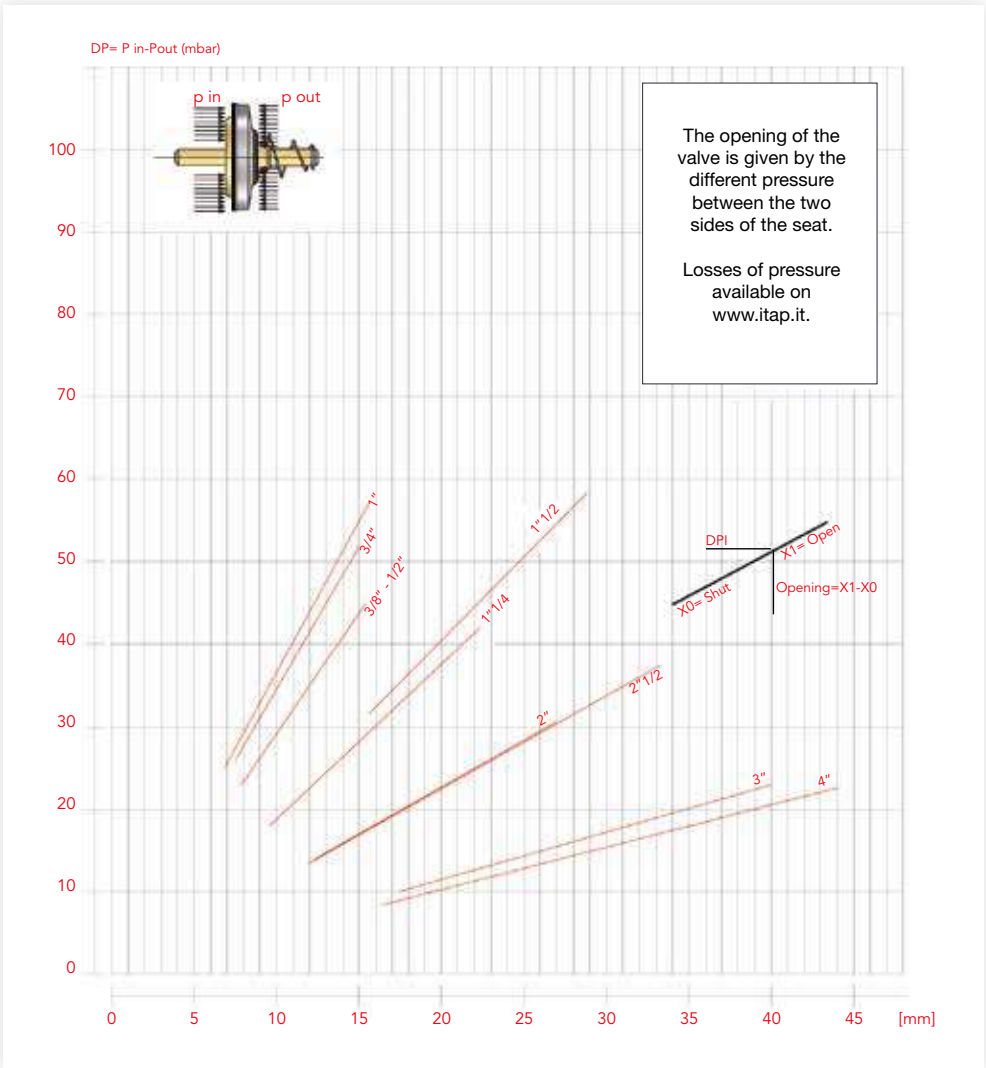
EUROPA® check valve

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

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	2/24
2" (DN 50)	18bar/261psi	1000200	2/18
2 1/2" (DN 65)	12bar/174psi	1000212	1/6
3" (DN 80)	12bar/174psi	1000300	1/4
4" (DN 100)	12bar/174psi	1000400	1/2

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

DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



105



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



EUROPA® foot valve

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

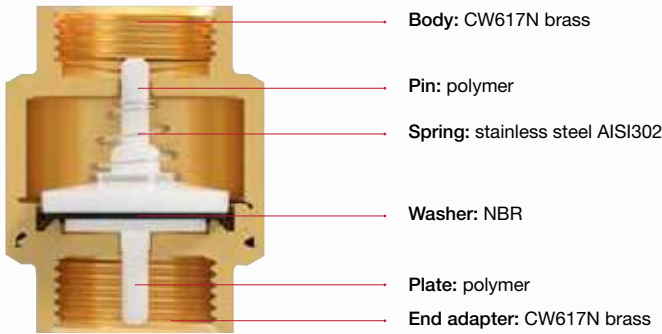
SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	25bar/362.5psi	1050038	8/112
1/2" (DN 15)	25bar/362.5psi	1050012	8/112
3/4" (DN 20)	25bar/362.5psi	1050034	6/84
1" (DN 25)	25bar/362.5psi	1050100	4/44
1 1/4" (DN 32)	18bar/261psi	1050114	4/24
1 1/2" (DN 40)	18bar/261psi	1050112	2/14
2" (DN 50)	18bar/261psi	1050200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

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



YORK®

MATERIALS



103



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



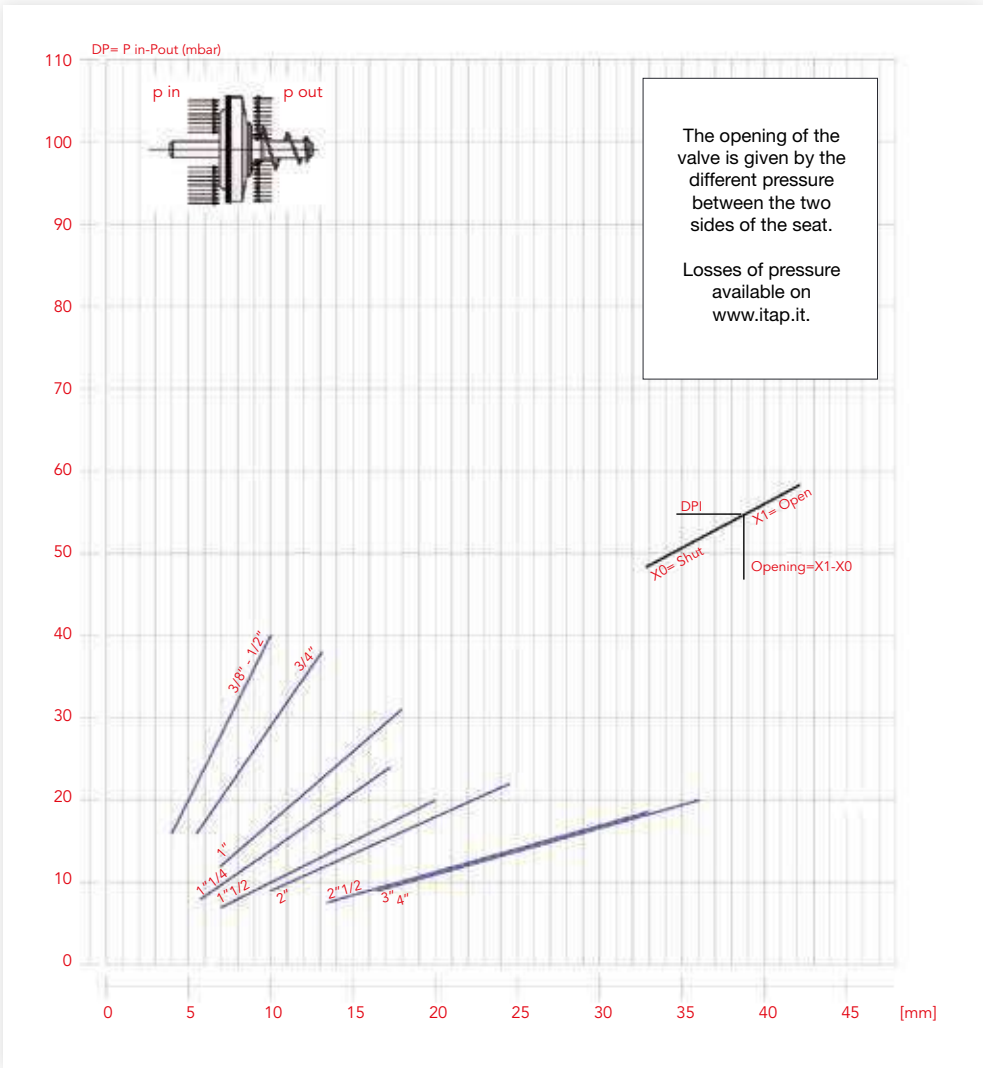
YORK® check valve

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

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

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

DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



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



YORK® foot valve

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

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

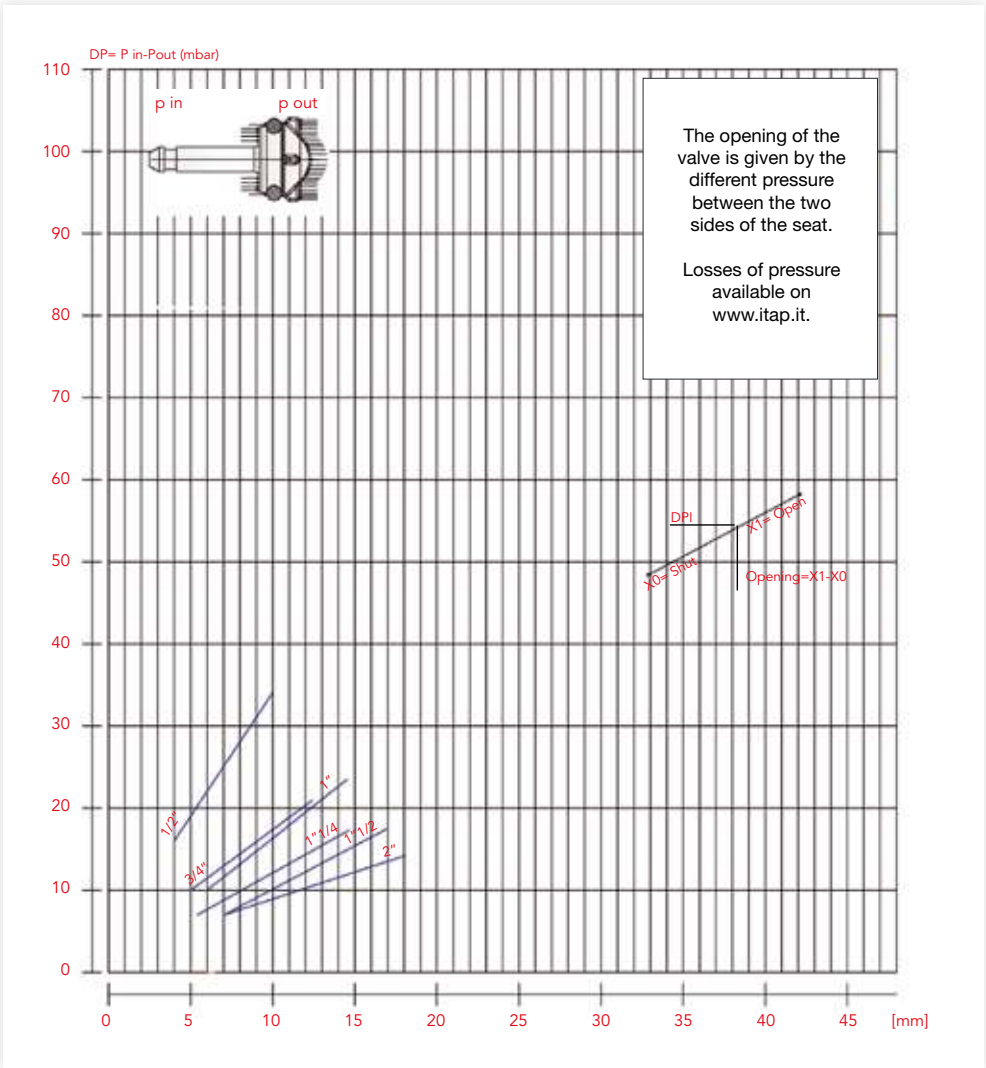
Body in brass.
Plate in polymer.
Washer in NBR.
Spring: stainless steel.
Strainer in polymer and stainless steel.
Filtration degree: 3/8" through 2": 1200µm; 2"1/2 through 4": 1700µm.
Minimum and maximum working temperatures: -20°C, 100°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO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

MATERIALS

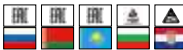


- Body: CW617N brass
- Plate: polymer
- O-ring: NBR
- Guide: polymer
- Spring: stainless steel AISI302
- Spring stop: polymer

DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



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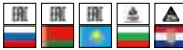
BLOCK® check valve

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

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	10/140
1"1/4 (DN 32)	10bar/145psi	1010114	8/88
1"1/2 (DN 40)	10bar/145psi	1010112	6/60
2" (DN 50)	10bar/145psi	1010200	4/28

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

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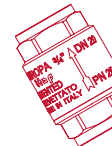
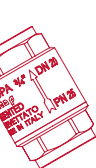


BLOCK® foot valve

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

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

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



ROMA®

MATERIALS

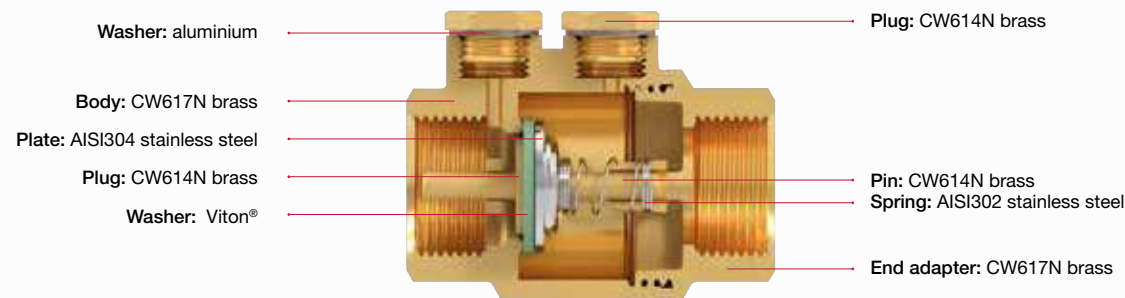
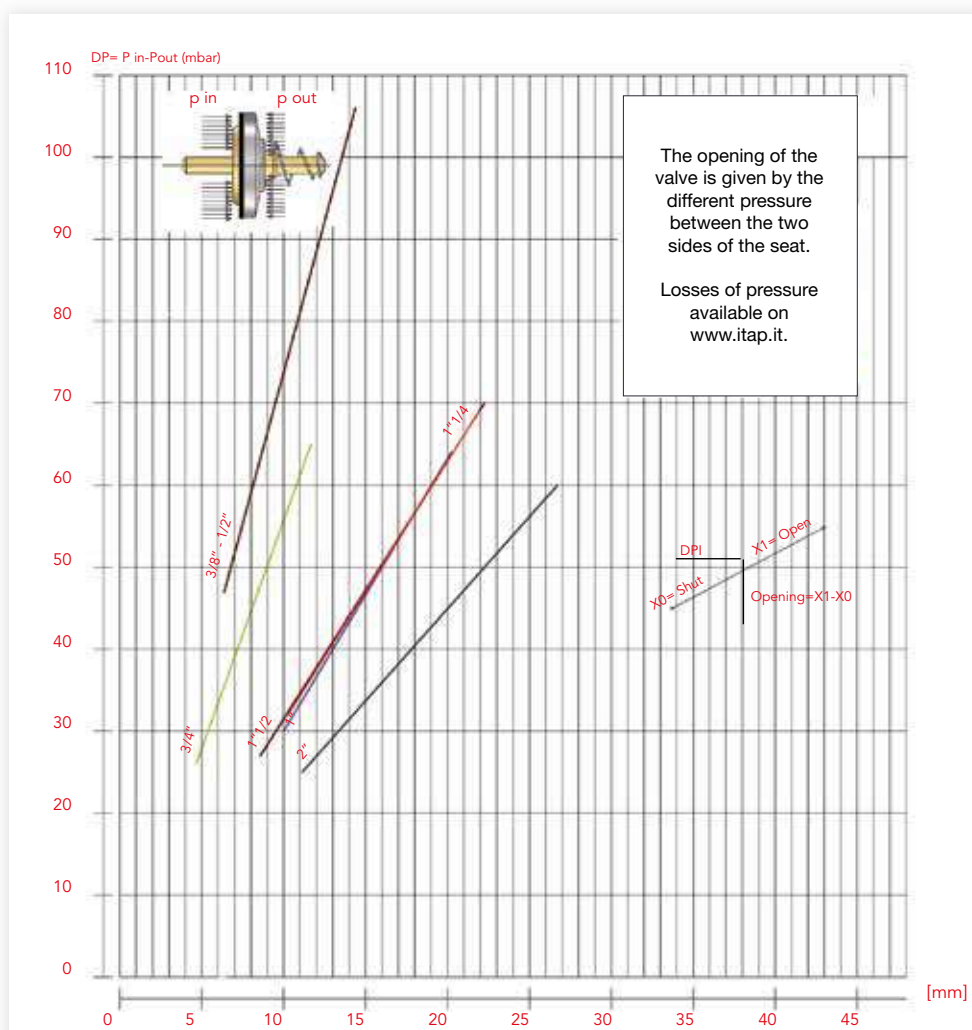


DIAGRAM OF THE MINIMUM PRESSURE NEEDED TO GET THE VALVES OPENING



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ROMA® check valve

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

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	4/32
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: stainless steel.
Outlet plugs in brass, thread 1/4".
Minimum working temperature: -20°C.
Maximum working temperature: 100°C with water ;150°C with fluid hydrocarbons or compressed air.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).

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



Strainer for Europa®, York®, Block®, Roma® check valve

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

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

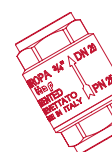
107



Strainer for Europa®, York®, Block®, Roma® check valve

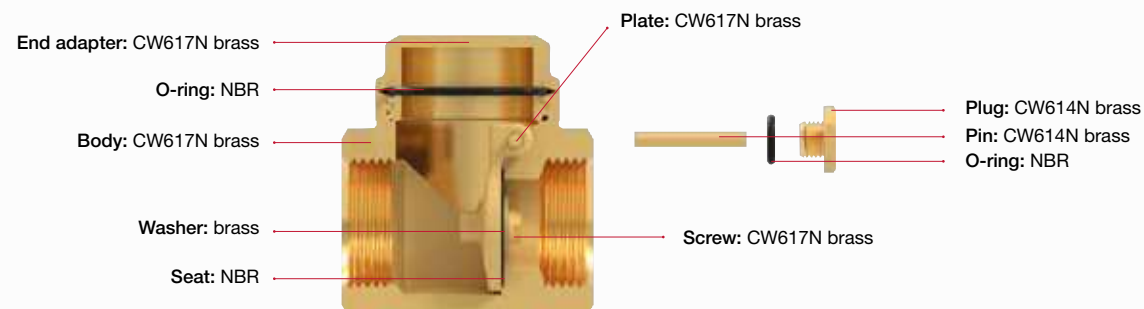
SIZE	CODE	PACKING
3/8" (DN 10)	1070038	50/550
1/2" (DN 15)	1070012	40/480
3/4" (DN 20)	1070034	35/245
1" (DN 25)	1070100	30/150
1 1/4" (DN 32)	1070114	20/100
1 1/2" (DN 40)	1070112	15/45
2" (DN 50)	1070200	8/40

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



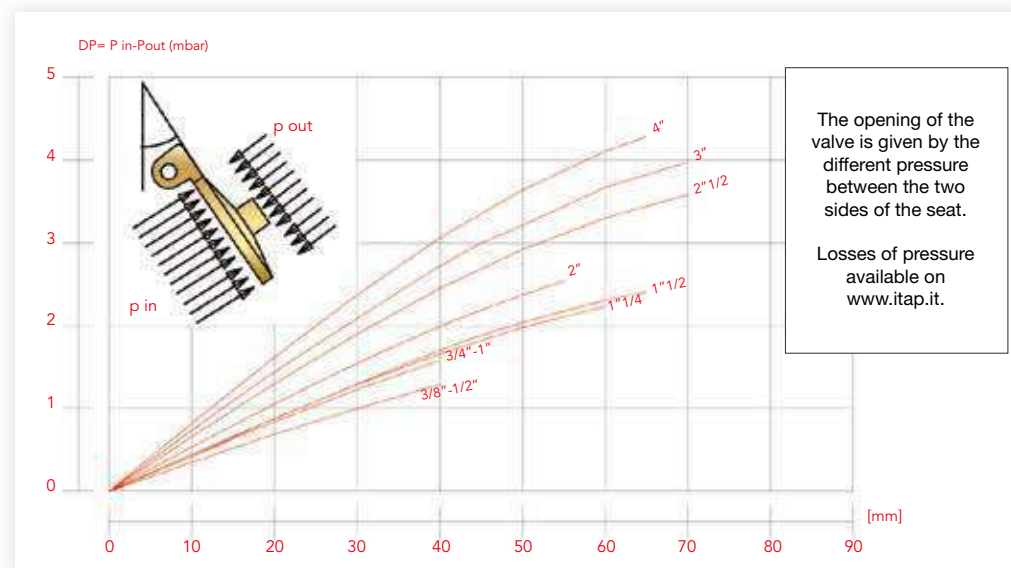
CLAPET

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



130



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".



SWING CHECK VALVE

METAL SEAT

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

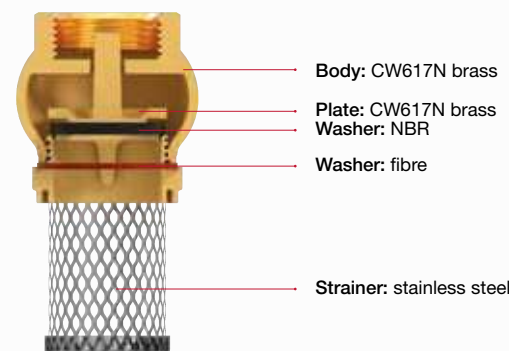
NBR SEAT

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

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

140

MATERIALS



140



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

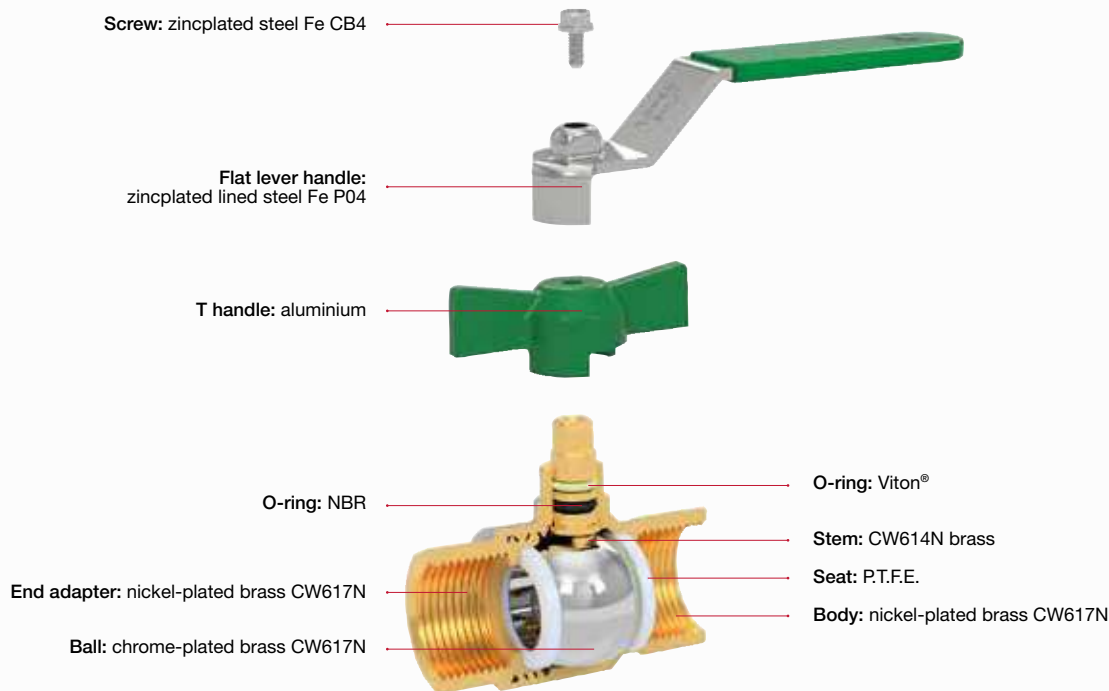


Foot valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	10bar/145psi	1400012	6/132
3/4" (DN 20)	10bar/145psi	1400034	12/96
1" (DN 25)	10bar/145psi	1400100	4/36
1"1/4 (DN 32)	8bar/116psi	1400114	4/32
1"1/2 (DN 40)	8bar/116psi	1400112	3/27
2" (DN 50)	8bar/116psi	1400200	2/12
2"1/2 (DN 65)	6bar/87psi	1400212	1/12
3" (DN 80)	6bar/87psi	1400300	1/8
4" (DN 100)	6bar/87psi	1400400	1/5

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

MATERIALS



Ball bore chart
unit in mm

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

377



Locking device p. 41



Green DVGW ball valve, full flow

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.

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

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

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

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Green DVGW ball valve, full flow

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.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	378B014	15/180
3/8" (DN 10)	50bar/725psi	378B038	15/180
1/2" (DN 15)	50bar/725psi	378B012	10/120
3/4" (DN 20)	40bar/580psi	378B034	8/80
1" (DN 25)	40bar/580psi	378B100	6/48

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

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

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Green DVGW ball valve, full flow

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.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	379B014	15/180
3/8" (DN 10)	50bar/725psi	379B038	15/180
1/2" (DN 15)	50bar/725psi	379B012	10/120
3/4" (DN 20)	40bar/580psi	379B034	8/72
1" (DN 25)	40bar/580psi	379B100	6/48

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

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

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Locking device p. 41



Green DVGW ball valve, full flow

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.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	376B014	12/144
3/8" (DN 10)	50bar/725psi	376B038	12/144
1/2" (DN 15)	50bar/725psi	376B012	10/90
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	2/18
1"1/2 (DN 40)	30bar/435psi	376B112	2/10
2" (DN 50)	25bar/362.5psi	376B200	2/10

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

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

MATERIALS

Screw: zincplated steel Fe CB4

Flat lever handle:
zincplated lined steel Fe P04

T handle: aluminium

O-ring: NBR

End adapter: nickel-plated brass CW617N

Ball: chrome-plated brass CW617N

O-ring: Viton®

Stem: CW614N brass

Seat: P.T.F.E.

Body: nickel-plated brass CW617N

Ball bore chart
unit in mm

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

290P

Ideal DVGW ball valve, full flow

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.

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

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

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

291P

Ideal DVGW ball valve, full flow

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.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	2910014P	12/144
3/8" (DN 10)	50bar/725psi	2910038P	12/144
1/2" (DN 15)	50bar/725psi	2910012P	12/84
3/4" (DN 20)	40bar/580psi	2910034P	8/48
1" (DN 25)	40bar/580psi	2910100P	6/36
1"1/4 (DN 32)	30bar/435psi	2910114P	4/24
1"1/2 (DN 40)	30bar/435psi	2910112P	2/12
2" (DN 50)	25bar/362,5psi	2910200P	2/6

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

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

292P

Ideal DVGW ball valve, full flow

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.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	2920014P	15/210
3/8" (DN 10)	50bar/725psi	2920038P	15/210
1/2" (DN 15)	50bar/725psi	2920012P	12/144
3/4" (DN 20)	40bar/580psi	2920034P	8/96
1" (DN 25)	40bar/580psi	2920100P	8/56

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

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

293P

Ideal DVGW ball valve, full flow

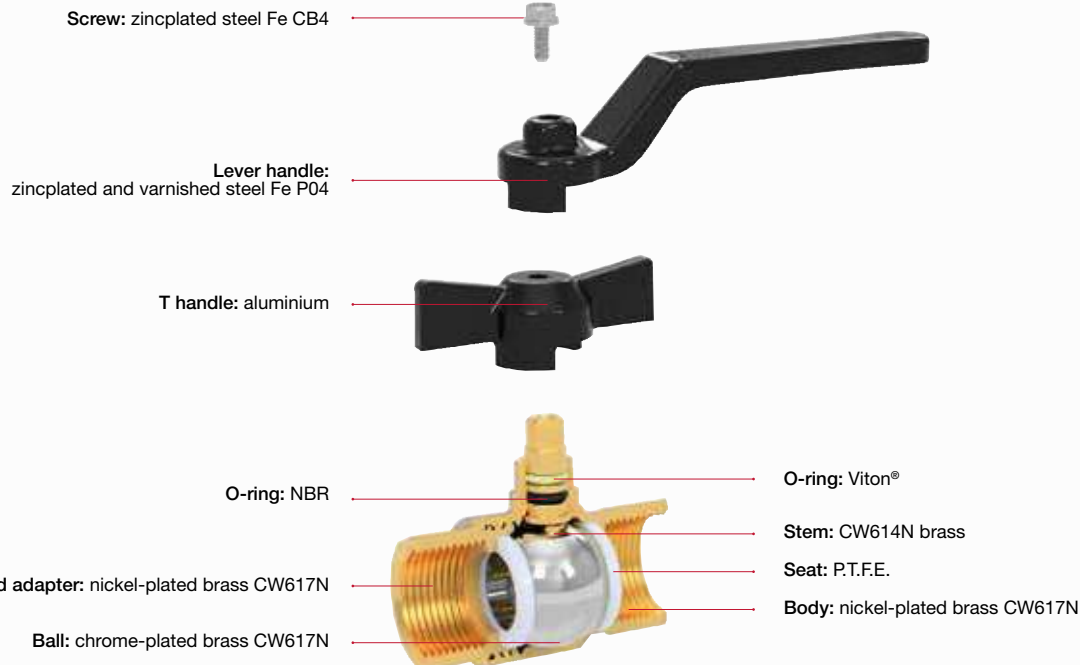
Ecological ball valves in compliance with the new European regulation for drinkable water. Approved in accordance with standard EN 13828 and Code of Practice DVGW W 570 for the distribution of water intended for human consumption. Equipped with a ball designed to avoid the stagnation of water and eventual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

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	2930014P	15/180
3/8" (DN 10)	50bar/725psi	2930038P	15/180
1/2" (DN 15)	50bar/725psi	2930012P	12/132
3/4" (DN 20)	40bar/580psi	2930034P	8/88
1" (DN 25)	40bar/580psi	2930100P	8/56

DRINKABLE WATER. ANTILEGIONNAIRE'S DISEASE.

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

MATERIALS



Ball bore chart
unit in mm

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

076

Madrid ball valve, full flow

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

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	076B014	12/144
3/8" (DN 10)	50bar/725psi	076B038	12/144
1/2" (DN 15)	50bar/725psi	076B012	10/90
3/4" (DN 20)	40bar/580psi	076B034	8/64
1" (DN 25)	40bar/580psi	076B100	6/42
1"1/4 (DN 32)	30bar/435psi	076B114	3/24
1"1/2 (DN 40)	30bar/435psi	076B112	2/10
2" (DN 50)	25bar/362.5psi	076B200	2/10
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

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

077

Madrid ball valve, full flow

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

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	077B014	12/144
3/8" (DN 10)	50bar/725psi	077B038	12/144
1/2" (DN 15)	50bar/725psi	077B012	10/90
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	2/16
1"1/2 (DN 40)	30bar/435psi	077B112	2/10
2" (DN 50)	25bar/362.5psi	077B200	2/6
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

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

078

Madrid ball valve, full flow

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

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	078B014	15/180
3/8" (DN 10)	50bar/725psi	078B038	15/180
1/2" (DN 15)	50bar/725psi	078B012	10/120
3/4" (DN 20)	40bar/580psi	078B034	8/80
1" (DN 25)	40bar/580psi	078B100	6/48

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

079

Madrid ball valve, full flow

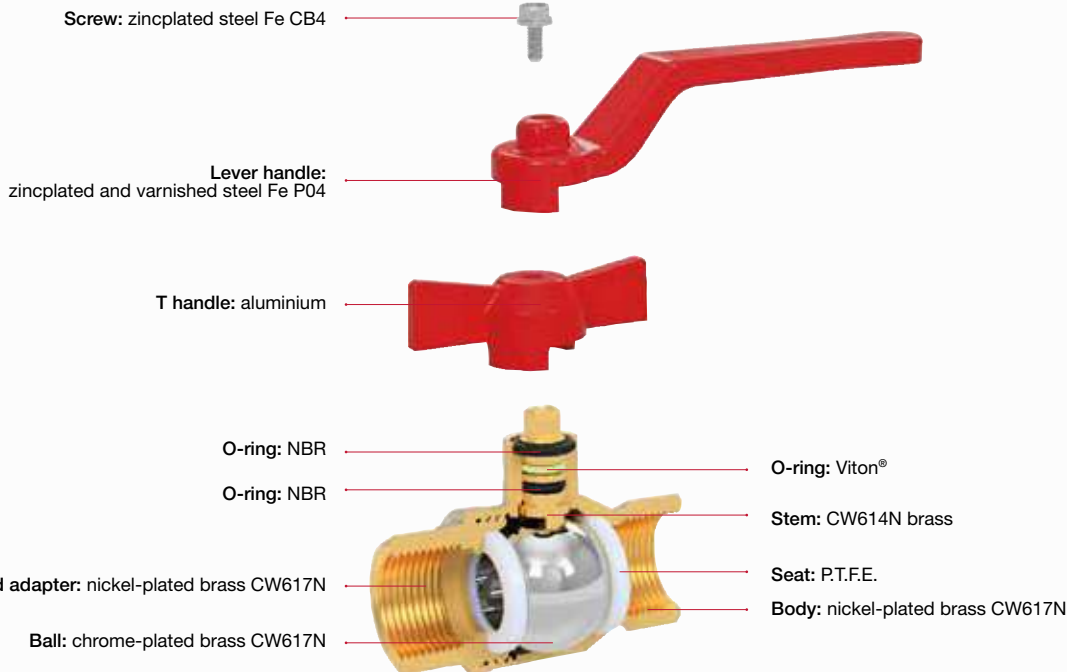
Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	079B014	15/180
3/8" (DN 10)	50bar/725psi	079B038	15/180
1/2" (DN 15)	50bar/725psi	079B012	10/120
3/4" (DN 20)	40bar/580psi	079B034	8/72
1" (DN 25)	40bar/580psi	079B100	6/48

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

PARIS

MATERIALS



Ball bore chart
unit in mm

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

080



Paris ball valve, full flow

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	080B012	8/72
3/4" (DN 20)	40bar/580psi	080B034	6/48
1" (DN 25)	40bar/580psi	080B100	4/36
1"1/4 (DN 32)	30bar/435psi	080B114	2/16
1"1/2 (DN 40)	30bar/435psi	080B112	2/10
2" (DN 50)	25bar/362.5psi	080B200	2/6
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

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

081



Paris ball valve, full flow

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	081B012	8/72
3/4" (DN 20)	40bar/580psi	081B034	6/48
1" (DN 25)	40bar/580psi	081B100	4/32
1"1/4 (DN 32)	30bar/435psi	081B114	2/16
1"1/2 (DN 40)	30bar/435psi	081B112	2/10
2" (DN 50)	25bar/362.5psi	081B200	2/6
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

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

082



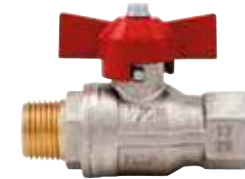
Paris ball valve, full flow

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	082B012	8/96
3/4" (DN 20)	40bar/580psi	082B034	6/54
1" (DN 25)	40bar/580psi	082B100	4/36

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

083



Paris ball valve, full flow

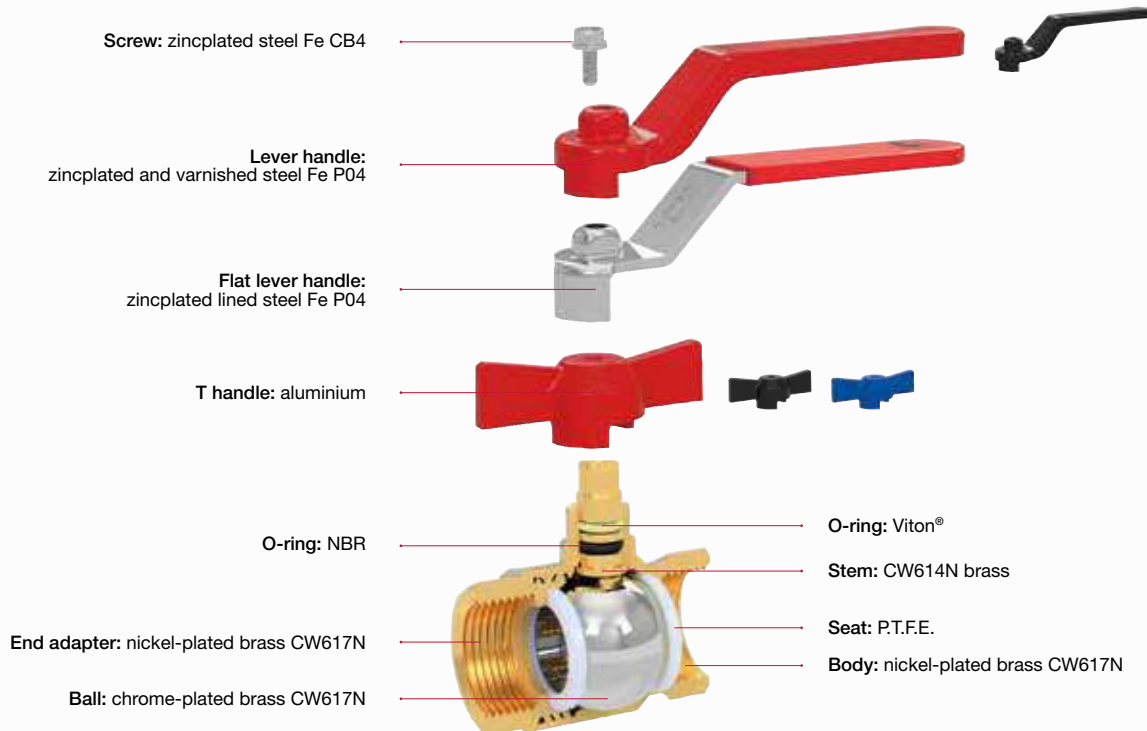
Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	083B012	10/90
3/4" (DN 20)	40bar/580psi	083B034	6/54
1" (DN 25)	40bar/580psi	083B100	4/32

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

IDEAL

MATERIALS



Ball bore chart unit in mm

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

091



Ideal ball valve, full flow

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

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

Male/female threads.
Lever handle in steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Mention "N" in the code only to order the valve with black handle.

092



Available also with NPT thread in the sizes 1/4" through 1".
KC approved in sizes from 1" to 1"1/4.



Ideal ball valve, full flow

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

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

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Mention "N" in the code only to order the valve with black handle.

093



Ideal ball valve, full flow

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

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

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Mention "N" in the code only to order the valve with black handle.

090



Available also with NPT thread in the sizes 1/4" through 2".
KC approved in sizes from 1" to 4".



Ideal ball valve, full flow

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

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0900014/N	12/168
3/8" (DN 10)	50bar/725psi	0900038/N	12/168
1/2" (DN 15)	50bar/725psi	0900012/N	12/108
3/4" (DN 20)	40bar/580psi	0900034/N	8/64
1" (DN 25)	40bar/580psi	0900100/N	6/48
1"1/4 (DN 32)	30bar/435psi	0900114/N	4/32
1"1/2 (DN 40)	30bar/435psi	0900112/N	2/16
2" (DN 50)	25bar/362.5psi	0900200/N	2/10
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

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

290



Locking device p. 41



Ideal ball valve, full flow

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

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

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

098



Ideal ball valve, full flow for manifolds

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

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

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

098S



Ideal ball valve with o-ring, full flow for manifolds

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	0980012S/SB	8/112
3/4" (DN 20)	40bar/580psi	0980034S/SB	6/66
3/4"X1" (DN 20)	40bar/580psi	0980034100S/SB	6/66
1" (DN 25)	40bar/580psi	0980100S/SB	5/45
1"1/4 (DN 32)	30bar/435psi	0980114S/SB	3/27

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
3/4" and 1" available also with blue handle.
Mention "SB" in the code only to order the valve with blue handle.
Code 0980034100S: 3/4"Fx1"M

098SDC



Ideal ball valve without union, full flow for manifolds

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	0980012SDC/B	8/112
3/4" (DN 20)	40bar/580psi	0980034SDC/B	8/96
1" (DN 25)	40bar/580psi	0980100SDC/B	7/63
1"1/4 (DN 32)	30bar/435psi	0980114SDC/B	4/36

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

298



Ideal angle ball valve, full flow for manifolds

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	2980012	6/72
3/4" (DN 20)	40bar/580psi	2980034	6/48
1" (DN 25)	40bar/580psi	2980100	4/32

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

298S



Ideal angle ball valve with o-ring, full flow for manifolds

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	2980012S	6/72
3/4" (DN 20)	40bar/580psi	2980034S/SB	6/48
1" (DN 25)	40bar/580psi	2980100S/SB	4/32

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
3/4" and 1" available also with blue handle.
Mention "SB" in the code only to order the valve with blue handle.

298SDC



Ideal angle ball valve without union, full flow for manifolds

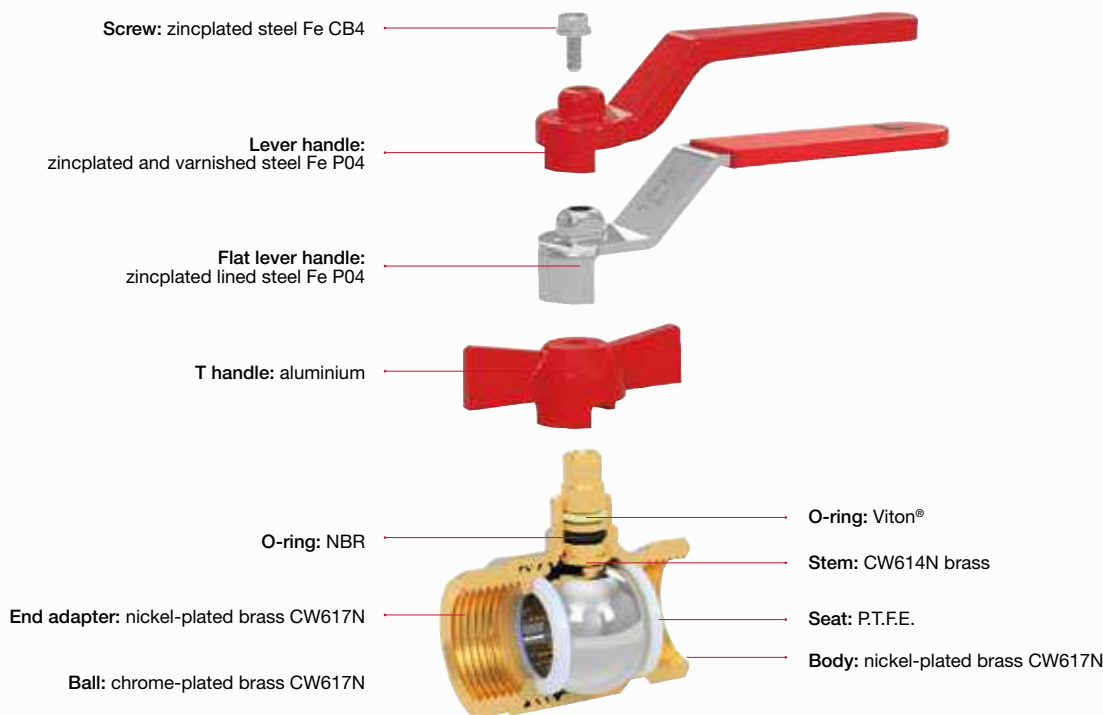
Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	50bar/725psi	2980012SDC/B	6/84
3/4" (DN 20)	40bar/580psi	2980034SDC/B	6/54
1" (DN 25)	40bar/580psi	2980100SDC/B	4/36

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

VIENNA

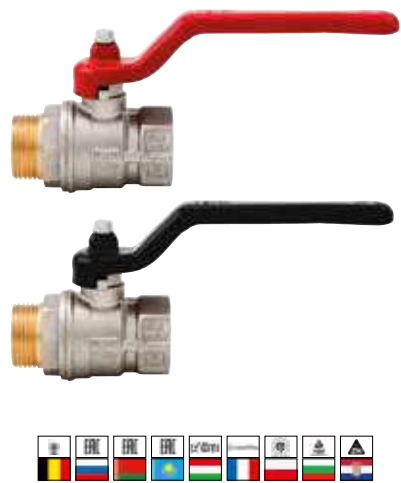
MATERIALS



Ball bore chart unit in mm

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

117



Vienna ball valve, standard flow

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

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

Male/female threads.
Lever handle in steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Mention "N" in the code only to order the valve with black handle.

118



Vienna ball valve, standard flow

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

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0920014/N	15/210
3/8" (DN 10)	50bar/725psi	0920038/N	15/210
1/2" (DN 15)	30bar/435psi	1180012/N	15/180
3/4" (DN 20)	30bar/435psi	1180034/N	8/96
1" (DN 25)	30bar/435psi	1180100/N	8/72

Female/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Mention "N" in the code only to order the valve with black handle.

119



Vienna ball valve, standard flow

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

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0930014/N	15/180
3/8" (DN 10)	50bar/725psi	0930038/N	15/180
1/2" (DN 15)	30bar/435psi	1190012/N	15/135
3/4" (DN 20)	30bar/435psi	1190034/N	8/96
1" (DN 25)	30bar/435psi	1190100/N	6/54

Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Mention "N" in the code only to order the valve with black handle.

116



Vienna ball valve, standard flow

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

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

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

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



216

Vienna ball valve, standard flow



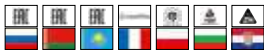
Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

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

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

217

Vienna ball valve, standard flow



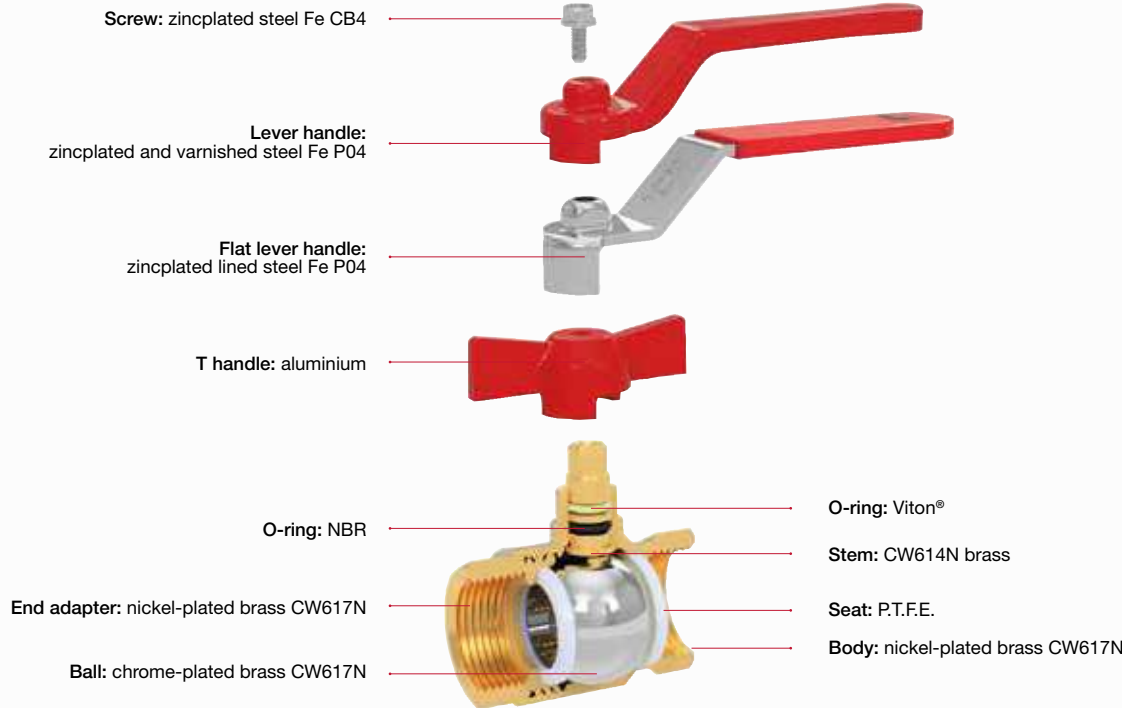
Suitable for domestic water services, heating and air-conditioning plants, compressed air systems.

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

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

ORIENT

MATERIALS



Ball bore chart
unit in mm

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

111

Orient ball valve, reduced flow



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

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

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

112



Orient ball valve, reduced flow

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

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0910014	12/144
3/8" (DN 10)	50bar/725psi	0910038	12/144
1/2" (DN 15)	50bar/725psi	1120012	10/120
3/4" (DN 20)	40bar/580psi	1120034	8/72
1" (DN 25)	40bar/580psi	1120100	4/48

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

113



Orient ball valve, reduced flow

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

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0920014	15/210
3/8" (DN 10)	50bar/725psi	0920038	15/210
1/2" (DN 15)	50bar/725psi	1130012	12/144
3/4" (DN 20)	40bar/580psi	1130034	8/112
1" (DN 25)	40bar/580psi	1130100	6/72

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

114



Orient ball valve, reduced flow

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

SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	0930014	15/180
3/8" (DN 10)	50bar/725psi	0930038	15/180
1/2" (DN 15)	50bar/725psi	1140012	12/144
3/4" (DN 20)	40bar/580psi	1140034	8/96
1" (DN 25)	40bar/580psi	1140100	5/60

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

211



Locking device p. 41



Orient ball valve, reduced flow

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

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

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

113DF



Orient ball valve with female swivel, reduced flow

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

SIZE	PRESSURE	CODE	PACKING
3/4" x 1"	40bar/580psi	1130034100/N/B	6/72
1" x 1"	40bar/580psi	1130100100/N/B	6/72

Female/female threads.
T handle in aluminium.
Nickel-plated brass body and swivel.
Minimum and maximum working temperatures: -20°C, 150°C in absence of steam.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Mention "N" in the code only to order the valve with black handle.
Mention "B" in the code only to order the valve with blue handle.

086

Lever handle for ball valves and bibcocks



SIZE	CODE	PACKING
1	0860001/N/B	20/400
2	0860002/N/B	20/400
3	0860003/N/B	20/300
4	0860004/N/B	10/100
5	0860005/N/B	10/100
6	0860006/N	1/75
7	0860007/N	1/35

Mention "N" in the code only to order the black handle.
Mention "B" in the code only 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	-	-	-
076/077	1	1	2	3	3	4	5	5	-	-	-
090/091	1	1	1	3	3	4	4	5	6	7	7
290P/291P	1	1	1	3	3	4	4	5	-	-	-
116/117	1	1	1	3	3	4	4	5	6	7	7
080/081	-	-	2	3	3	4	5	5	7	7	7
131/132	-	1	1	2	2	-	-	-	-	-	-
166	-	-	1	1	-	-	-	-	-	-	-
174	-	-	1	1	-	-	-	-	-	-	-
178	-	-	1	1	-	-	-	-	-	-	-
115	-	-	1	3	3	4	4	5	-	-	-
098	-	-	1	3	3	4	4	5	-	-	-
298	-	-	1	3	3	-	-	-	-	-	-
376/377	1	1	2	3	3	4	5	5	-	-	-
120/121	-	-	-	-	-	-	-	-	7	7	7



084

Flat lever handle for ball valves and bibcock



SIZE	CODE	PACKING
1	0840001/V	20/400
2	0840002/V	20/400
3	0840003/V	20/300
4	0840004/V	10/100
5	0840005/V	10/100

Mention "V" in the code only 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"
111/112/211	1	1	1	2	3	3	4	4
090/091/290	1	1	1	3	3	4	4	5
290P/291P	1	1	1	3	3	4	4	5
116/117	1	1	1	3	3	4	4	5
216/217	1	1	1	3	3	4	4	5
080/081	-	-	2	3	3	4	5	5
131	-	-	1	-	-	-	-	-
133	-	-	1	2	2	-	-	-
167	-	-	1	1	-	-	-	-
174	-	-	1	1	-	-	-	-
178	-	-	1	1	-	-	-	-
076/077	1	1	2	3	3	4	5	5
376/377	1	1	2	3	3	4	5	5
115	-	-	1	3	3	4	4	5
098	-	-	1	3	3	4	4	5
298	-	-	1	3	3	-	-	-



089B

Stainless steel flat lever handle for ball valves



SIZE	CODE	PACKING
1	0890001B	20/400
2	0890002B	20/400
3	0890003B	20/400
4	0890004B	10/100
5	0890005B	10/100

Flat lever handle in stainless steel AISI 304.

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

084LK



Locking device for lockable flat lever handle

This device has to be used on valves and biblocks with flat lever handle.
Handle size corresponding

087



T handle for ball valves and bibcocks

SIZE	CODE	PACKING
1	0870001/N/V/B	20/500
2	0870002/N/V/B	20/500
3	0870003/N/V/B	20/500
4	0870004/N/B	10/250

Mention “N” in the code only to order the black handle.
Mention “B” in the code only to order the blue handle.
Mention “V” in the code only 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
113/114	1	1	1	2	2	-	-
092/093	1	1	1	3	3	4	-
292P/293P	1	1	1	3	3	4	-
118/119	1	1	1	2	3	-	-
082/083	-	-	2	3	3	-	-
131	-	-	1	-	-	-	-
134	-	1	1	2	3	-	-
168	-	-	1	1	-	-	-
176	-	-	1	1	-	-	-
180	-	-	1	1	-	-	-
078/079	1	1	2	3	3	-	-
378/379	1	1	2	3	3	-	-
098	-	-	1	3	3	4	-
298	-	-	1	3	3	-	-
115	-	-	1	2	3	4	4



088



Extended handle for lined piping

SIZE	CODE	PACKING
1	0880001	10/120
2	0880002	10/120
3	0880003	10/120
4	0880004	10/80
5	0880005	10/50
6	0880006	1/30
7	0880007	1/18

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

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	-	-	-
076/077	1	1	2	3	3	4	5	5	-	-	-
115	-	-	1	3	3	4	4	5	-	-	-
131/132	-	1	1	2	2	-	-	-	-	-	-
166	-	-	1	1	-	-	-	-	-	-	-
174	-	-	1	1	-	-	-	-	-	-	-
178	-	-	1	1	-	-	-	-	-	-	-
098	-	-	1	3	3	4	4	5	-	-	-
298	-	-	1	3	3	-	-	-	-	-	-
120/121	-	-	-	-	-	-	-	-	7	7	7



125



MINI ball valves

SIZE	PRESSURE	CODE	PACKING
1/8" (DN 6)	10bar/145psi	1250018/N	20/240
1/4" (DN 8)	10bar/145psi	1250014/N	20/240
3/8" (DN 10)	10bar/145psi	1250038/N	20/280
1/2" (DN 15)	10bar/145psi	1250012/N	20/200
3/4" (DN 20)	10bar/145psi	1250034/N	15/135

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



126



MINI ball valves

SIZE	PRESSURE	CODE	PACKING
1/8" (DN 6)	10bar/145psi	1260018/N	20/280
1/4" (DN 8)	10bar/145psi	1260014/N	20/280
3/8" (DN 10)	10bar/145psi	1260038/N	20/280
1/2" (DN 15)	10bar/145psi	1260012/N	20/220
3/4" (DN 20)	10bar/145psi	1260034/N	15/135

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

115



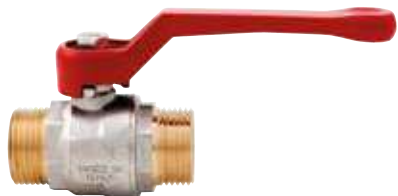
Standard flow ball valve with revolving drain cock

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

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

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

099



128

3-way ball valve



Available with T or L ball. (Please, specify in the order).

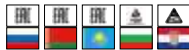


Suitable for domestic water services, heating, air-conditioning plants and compressed air systems.

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

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

131



SPIN hose bibcock with mobile connection

Patented - Heavy model.
High resistance against freeze.

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1310012	10/50



360° turn. It avoids the garden hose flattening.



High resistance against freeze

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

156

Brass gate valve PN16



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



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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	1560012	12/96
3/4" (DN 20)	16bar/232psi	1560034	8/64
1" (DN 25)	16bar/232psi	1560100	5/40
1"1/4 (DN 32)	16bar/232psi	1560114	4/24
1"1/2 (DN 40)	16bar/232psi	1560112	2/16
2" (DN 50)	16bar/232psi	1560200	2/12
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

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

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

Body in nickel-plated brass.
Hose connection in metal.
Lever handle in steel.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Mention "N" in the code only to order the bibcock with black handle.

133



Locking device p. 41



Ball hose bibcock

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	10/60
3/4" (DN 20)	15bar/217.5psi	1330034	6/48
1" (DN 25)	12bar/174psi	1330100	4/24

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

VOLA

Handwheel for gate valve art. 156



SIZE	CODE	PACKING	GATE VALVE
050	VOLA050	1/150	1/2"
060	VOLA060	1/150	3/4"
060	VOLA060	1/150	1"
070	VOLA070	1/150	1"1/4
070	VOLA070	1/150	1"1/2
080	VOLA080	1/150	2"
100	VOLA100	1/100	2"1/2
100	VOLA100	1/100	3"
120	VOLA120	1/100	4"

Handwheel made of epoxy painted aluminium.

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

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

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/N	15/75
3/4" (DN 20)	15bar/217.5psi	1660034/N	10/50

Body in nickel-plated brass.
Hose connection in metal.
Lever handle in steel.
Minimum and maximum working temperatures: -20°C, 80°C.
Threads: ISO 228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Mention "N" in the code only to order the bibcock with black handle.

167



Locking device p. 41



GAR ball hose bibcock

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1670012	10/60
3/4" (DN 20)	15bar/217.5psi	1670034	10/50

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

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	15/75
3/4" (DN 20)	15bar/217.5psi	1680034	10/50

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

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	15/75
3/4" (DN 20)	15bar/217.5psi	1740034	10/50

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

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	15/75
3/4" (DN 20)	15bar/217.5psi	1760034	10/50

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

178



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



GAR ball hose bibcock

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1780012	14/84
3/4" (DN 20)	15bar/217.5psi	1780034	12/72

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

180



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



GAR ball hose bibcock

Available sizes: 1/2"x3/4"

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1800012	15/120

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

144



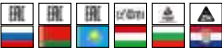
Ball hose bibcock with lockpad eye

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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	1440012	8/48
3/4" (DN 20)	15bar/217.5psi	1440034	8/48

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

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	12/60
3/4" (DN 20)	15bar/217.5psi	1910034	10/50
1" (DN 25)	12bar/174psi	1910100	5/25

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

139

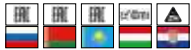
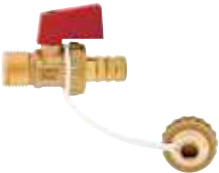


Drain ball valve with brass hose connection

SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	12bar/174psi	1390038	20/180
1/2" (DN 15)	12bar/174psi	1390012	20/180
3/4" (DN 20)	12bar/174psi	1390034	10/90

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

139R



Drain ball valve with brass hose connection and nylon handle

SIZE	PRESSURE	CODE	PACKING
3/8" (DN 10)	10bar/145psi	1390038R	20/140
1/2" (DN 15)	10bar/145psi	1390012R	20/160
3/4" (DN 20)	10bar/145psi	1390034R	15/105

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

280



Hose connection in metal

SIZE	CODE	PACKING
3/4" (DN 20)	2800034	90/720
1" (DN 25)	2800100	50/400
1"1/4 (DN 32)	2800114	20/160

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

282



Nylon hose connection

SIZE	CODE	PACKING
3/4" (DN 20)	2820034	100/500
1" (DN 25)	2820100	50/250

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

2820



Mobile hose connection in nylon

SIZE	CODE	PACKING
3/4" (DN 20)	2820034O	50/400

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

350L



Supply bibcock

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3500012L	10/60

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

355L



Hose bibcock

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3550012L	10/60
3/4" (DN 20)	8bar/116psi	3550034L	5/30

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

355S

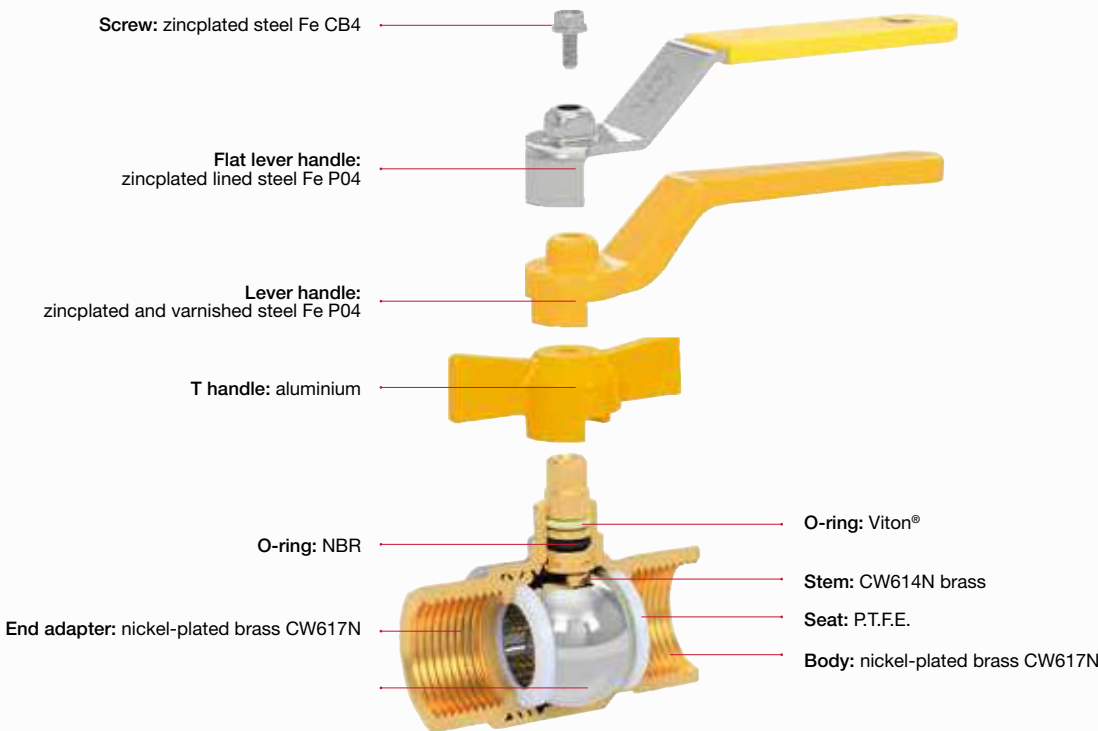


Hose bibcock

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3550012S	10/60
3/4" (DN 20)	8bar/116psi	3550034S	5/30

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

MATERIALS



Ball bore chart
unit in mm

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

066

London ball valve, full flow



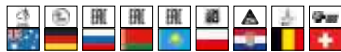
SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	066B014	12/144
3/8" (DN 10)	5bar/72.5psi	066B038	12/144
1/2" (DN 15)	5bar/72.5psi	066B012	10/90
3/4" (DN 20)	5bar/72.5psi	066B034	8/64
1" (DN 25)	5bar/72.5psi	066B100	6/48
1"1/4 (DN 32)	5bar/72.5psi	066B114	3/24
1"1/2 (DN 40)	5bar/72.5psi	066B112	2/10
2" (DN 50)	5bar/72.5psi	066B200	2/10
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

EN331 APPROVED (up to 2").

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

067

London ball valve, full flow



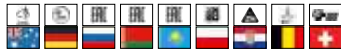
SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	067B014	12/144
3/8" (DN 10)	5bar/72.5psi	067B038	12/144
1/2" (DN 15)	5bar/72.5psi	067B012	10/90
3/4" (DN 20)	5bar/72.5psi	067B034	8/64
1" (DN 25)	5bar/72.5psi	067B100	6/48
1"1/4 (DN 32)	5bar/72.5psi	067B114	2/16
1"1/2 (DN 40)	5bar/72.5psi	067B112	2/10
2" (DN 50)	5bar/72.5psi	067B200	2/6
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

EN331 APPROVED (up to 2").

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

068

London ball valve, full flow



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	068B014	15/180
3/8" (DN 10)	5bar/72.5psi	068B038	15/180
1/2" (DN 15)	5bar/72.5psi	068B012	10/120
3/4" (DN 20)	5bar/72.5psi	068B034	8/80
1" (DN 25)	5bar/72.5psi	068B100	6/42

EN331 APPROVED (up to 2").

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

069

London ball valve, full flow



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	069B014	15/180
3/8" (DN 10)	5bar/72.5psi	069B038	15/180
1/2" (DN 15)	5bar/72.5psi	069B012	10/120
3/4" (DN 20)	5bar/72.5psi	069B034	8/72
1" (DN 25)	5bar/72.5psi	069B100	6/48

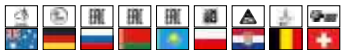
EN331 APPROVED (up to 2").

266

London ball valve, full flow



Locking device p. 41



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	266B014	12/144
3/8" (DN 10)	5bar/72.5psi	266B038	12/144
1/2" (DN 15)	5bar/72.5psi	266B012	10/90
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	2/18
1"1/2 (DN 40)	5bar/72.5psi	266B112	2/10
2" (DN 50)	5bar/72.5psi	266B200	2/6

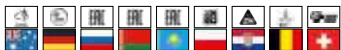
EN331 APPROVED (up to 2").
Female/female threads.
Body in nickel-plated brass.
Flat lever handle in lined steel.
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".

267

London ball valve, full flow



Locking device p. 41

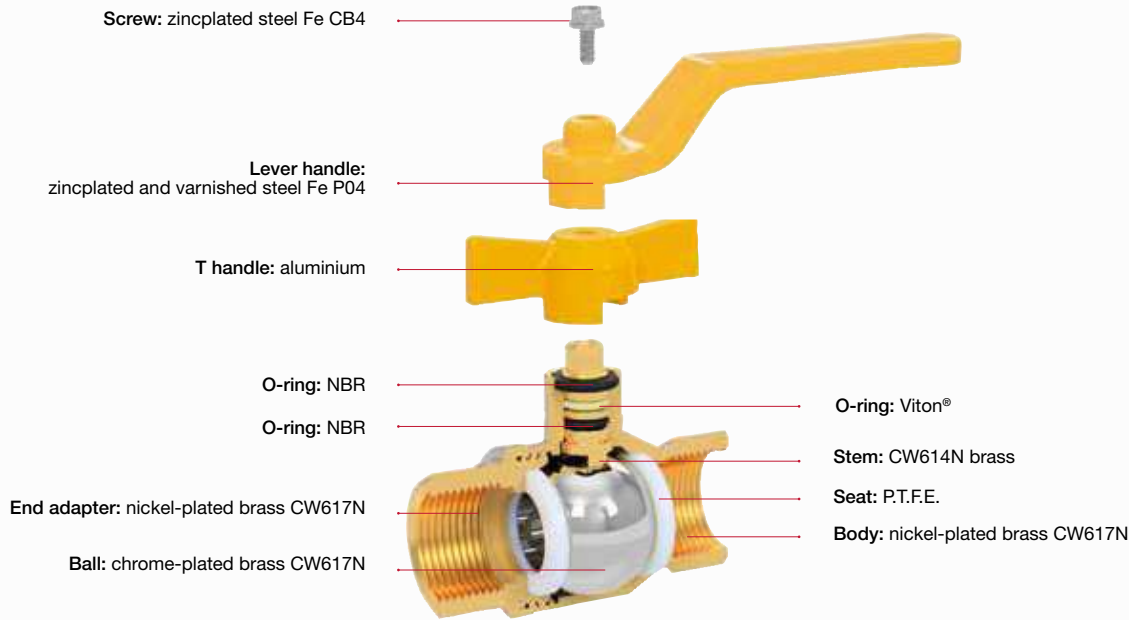


SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72.5psi	267B014	12/144
3/8" (DN 10)	5bar/72.5psi	267B038	12/144
1/2" (DN 15)	5bar/72.5psi	267B012	10/80
3/4" (DN 20)	5bar/72.5psi	267B034	8/48
1" (DN 25)	5bar/72.5psi	267B100	6/48
1"1/4 (DN 32)	5bar/72.5psi	267B114	2/16
1"1/2 (DN 40)	5bar/72.5psi	267B112	2/10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

EN331 APPROVED (up to 2").
Male/female threads.
Body in nickel-plated brass.
Flat lever handle in lined steel.
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".
Male threads:
- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/4" through 2".

BERLIN

MATERIALS



Ball bore chart
unit in mm

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

070

Berlin ball valve, full flow



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	070B012	8/72
3/4" (DN 20)	5bar/72.5psi	070B034	6/48
1" (DN 25)	5bar/72.5psi	070B100	4/36
1"1/4 (DN 32)	5bar/72.5psi	070B114	2/16
1"1/2 (DN 40)	5bar/72.5psi	070B112	2/10
2" (DN 50)	5bar/72.5psi	070B200	2/6
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

EN331 APPROVED (up to 2").
Female/female threads.
Body in nickel-plated brass.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Minimum and maximum working temperatures: -20°C, 60°C.
Female threads:
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4".

071

Berlin ball valve, full flow



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	071B012	8/72
3/4" (DN 20)	5bar/72.5psi	071B034	6/48
1" (DN 25)	5bar/72.5psi	071B100	4/32
1"1/4 (DN 32)	5bar/72.5psi	071B114	2/16
1"1/2 (DN 40)	5bar/72.5psi	071B112	2/10
2" (DN 50)	5bar/72.5psi	071B200	2/6
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

EN331 APPROVED (up to 2").

Male/female threads.
Body in nickel-plated brass.
Lever handle in steel (aluminium in the sizes 2"1/2, 3" and 4").
Minimum and maximum working temperatures: -20°C, 60°C.

Female threads:

- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4".

Male threads:

- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 2".
- ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228) sizes 2"1/2, 3" and 4".

072

Berlin ball valve, full flow



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	072B012	8/96
3/4" (DN 20)	5bar/72.5psi	072B034	6/54
1" (DN 25)	5bar/72.5psi	072B100	4/36

EN331 APPROVED (up to 2").

Female/female threads.
Body in nickel-plated brass.
T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 60°C.

Female threads:

- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 1".

073

Berlin ball valve, full flow



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	073B012	10/90
3/4" (DN 20)	5bar/72.5psi	073B034	6/54
1" (DN 25)	5bar/72.5psi	073B100	4/32

EN331 APPROVED (up to 2").

Male/female threads.
Body in nickel-plated brass.
T handle in aluminium.
Minimum and maximum working temperatures: -20°C, 60°C.

Female threads:

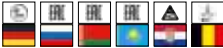
- ISO 7/1 Rp parallel (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 1".

Male threads:

- ISO 7/1 R taper (equivalent to DIN EN 10226-1 and BS EN 10226-1) sizes 1/2" through 1".

060

Angle ball valves for gas



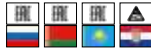
SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	060B012	12/108

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 valves for gas with revolving nut



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	5bar/72.5psi	062B012	12/108

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

086G

Lever handle for ball valves



SIZE	CODE	PACKING
1	0860001G	20/400
2	0860002G	20/400
3	0860003G	20/300
4	0860004G	10/100
5	0860005G	10/100
6	0860006G	1/75
7	0860007G	1/35

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



084G

Flat lever handle for ball valves



SIZE	CODE	PACKING
1	0840001G	20/400
2	0840002G	20/400
3	0840003G	20/300
4	0840004G	10/100
5	0840005G	10/100

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



Locking device p. 41



087G

T handle for ball valves



SIZE	CODE	PACKING
1	0870001G	20/500
2	0870002G	20/500
3	0870003G	20/500

Size of the handle corresponding to each valve.

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



992

Gas leak detector with optical-acoustic alarm and relay control



SIZE	CODE	PACKING
-	992M	1/12
SIZE	CODE	PACKING
-	992G	1/12

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

993

Solenoid safety valve, normally open



M: 550mbar

G: 6bar



Available for maximum pressure of 550 mbar (8psi) and 6 bar (87 psi).

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	550mbar/8psi	9930012M	1/17
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

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	6bar/87psi	9930012G	1/17
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

Body in brass.
Class of protection: IP65.
Female threads: ISO228 (equivalent to DIN EN ISO 228 and BS EN ISO 228).
Power supply voltage: 230V.
Power input: 17 VA and 19 W.
Working temperature: -15°C, 70°C.
Closing time: <1sec.
Maximum working pressure: 550mbar 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	1/5

387



Supply stop and washing machine valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	3870012	1/38

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

906



Ball supply stop with strainer

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	9060012	10/90

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

906SD



Ball supply stop with strainer without nut

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	9060012SD	10/90

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

285



Stainless steel rosette

SIZE	CODE	PACKING
1/2" (DN 15)	2850012	100/1500

220



Washing machine valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	2200012U	12/36

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

225



Horizontal washing machine valve, heavy pattern

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2250012	12/96

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

226



Horizontal washing machine valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2260012	12/108

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

228



Inclined washing machine valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2280012	12/108

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

230



One-piece spacer for faucets

SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	16bar/232psi	2300034C	6/72

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

240



Washing machine and dishwasher valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2400012U	6/36

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

250



Washing machine valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2500012	12/96

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

255



3-way washing machine valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	2550012	10/90

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

390



Drain trap for washing machines

SIZE	PRESSURE	CODE	PACKING
3/4" (DN 20)	16bar/232psi	3900034	6/42

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

391



Washing machine ball valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	3910012	12/144

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

392



Available also with NPT thread.



Washing machine ball valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	3920012	12/144

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

488



Angle valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	16bar/232psi	4880012	10/120

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

706



Washing machine ball valve

SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	8bar/116psi	7060012	10/90

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

360

MINIPRESS pressure reducing valve



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	3600012	4/56
3/4" (DN 20)	15bar/217.5psi	3600034	4/56

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

361

MINIPRESS pressure reducin valve with pressure gauge connection



SIZE	PRESSURE	CODE	PACKING
1/2" (DN 15)	15bar/217.5psi	3610012	4/56
3/4" (DN 20)	15bar/217.5psi	3610034	4/56

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

INSTALLATION OF PRESSURE REDUCING VALVES

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



