

BALLSTOP BRASS BALL VALVE WITH BUILT-IN CHECK VALVE MALE FREE NUT BSP

Brass ball valve 4MS with built-in check valve Ballstop free nut BSP for drinking water, heating, cold and hot water.

Disc type with spring for all positions.

Brass CW617N-4MS body, nylon disc and NBR gasket for an excellent low and high pressure tightness.

Brass ball valve with built-in check valve for a short length, an easy installation and a better tightness.



Size: DN1/2" to DN3/4"

Connection : Male-Free nut BSP

Min Temperature : +5°C

Max Temperature : +90°C

Max Pressure : 16 Bars

Specifications : Built-in check valve

All positions

Nylon disc

NBR gasket

Materials : Brass body CW617N-4MS according to EN12165

*the installation defects and wear defects are not covered by the guarantee

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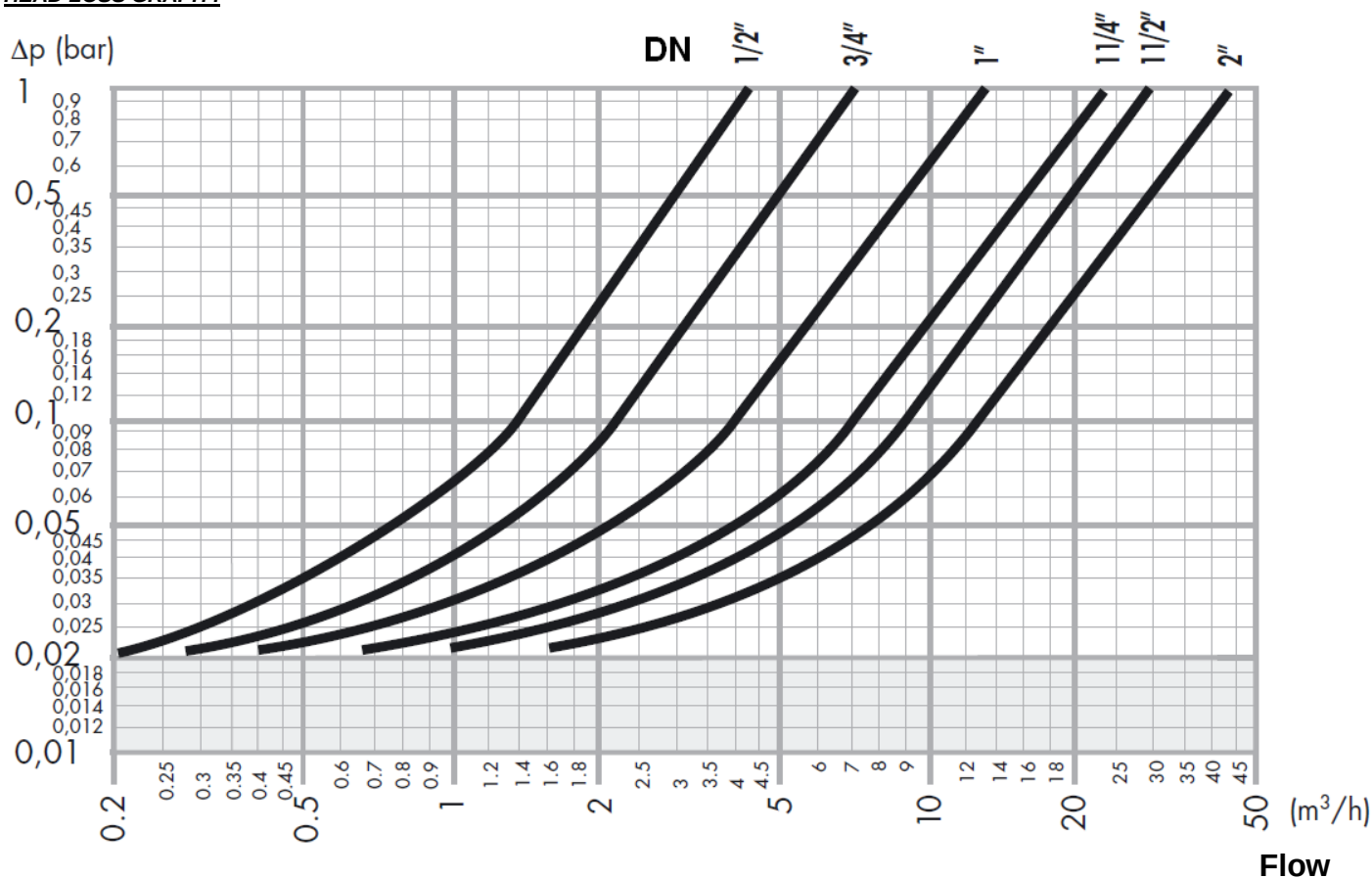
SPECIFICATIONS :

- With inside check valve all positions
- Respect the flow direction indicated by the arrow
- With free nut
- PTFE packing
- Weak head loss
- 10 years manufacture warranty (the installation defects and wear defects are not covered by the guarantee)

USE :

- Heating, drinkable water, cold and hot water
- Min Temperature Ts : + 5°C
- Max Temperature Ts : + 90°C
- Max Pressure Ps : 16 bars

HEAD LOSS GRAPH :



FLOW COEFFICIENT Kvs (M3/H) :

DN	1/2"	3/4"
Kvs (m3/h)	4.2	7

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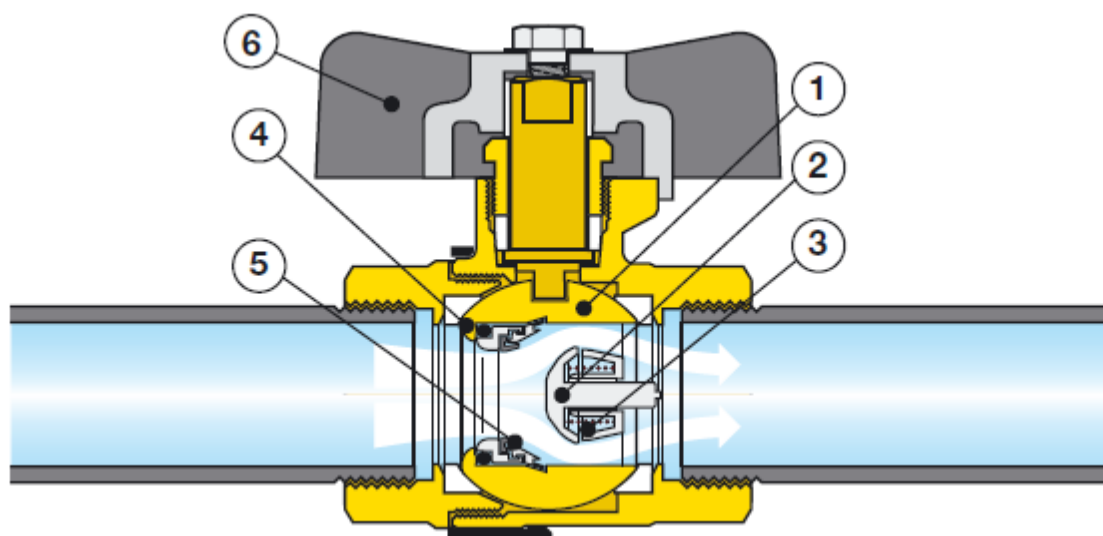
OPERATING PRINCIPLE :

The valve consists of a ball (1) containing a check obturator (2) with a fluid-dynamic shape. During normal circulation of the medium in the system, the obturator is pushed against the retaining spring (3) housed inside it, thereby opening the aperture and allowing the medium to flow through it. When the pressure downstream of the valve is higher than the upstream pressure, the obturator is pushed in the opposite direction against the seal seat on the ball (4), in order to prevent backflow of the medium.

Even with no flow, the valve is closed by the action of the retaining spring alone.

The obturator, owing to the thrust exerted by the retaining spring (3) and by the downstream pressure, completely shuts off the flow passage by means of the specially shaped seal (5) (positioned on the ball seal seat or on the obturator depending on the version).

The ball valve, equipped with butterfly handle (6) or lever handle depending on the size of the valve, acts as a standard shut-off device.



OPENING PRESSURE :

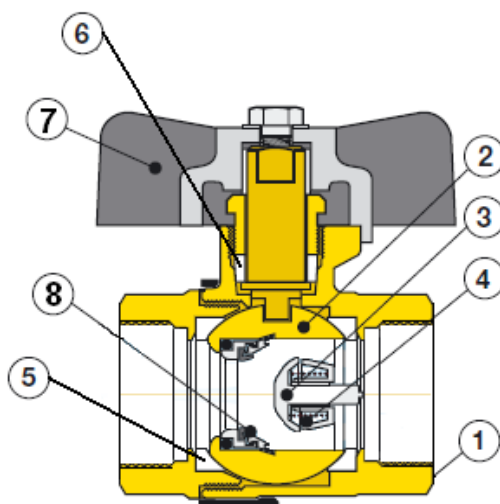
- Opening pressure 20 mbar

RANGE :

- Ballstop brass ball check valve free nut - male BSP threaded cylindrical from DN 1/2" to DN 3/4" **Ref.655**

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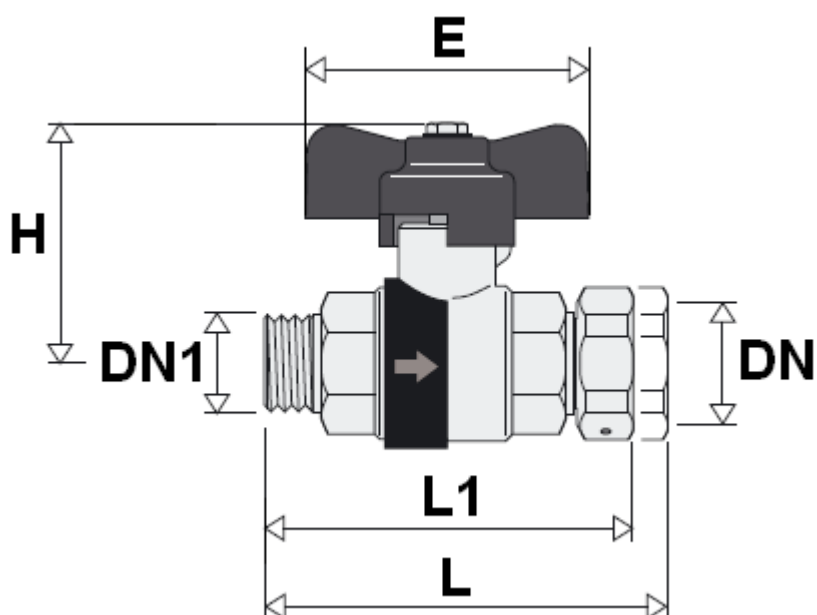
MATERIALS :



Item	Designation	Materials
1	Body	Brass CW617N-4MS according to EN 12165
2	Ball DN1/2" to 1"	Brass CW614N-4MS according to EN 12164 chromed
3	Check valve DN 1/2"	PA
3	Check valve DN 3/4"	POM
4	Spring	Stainless steel
5	Seat	PTFE
6	Packing	
7	Handle	Aluminium
8	Check valve gasket	NBR

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SIZE (in mm) :



DN	3/4"	
DN1	1/2"	3/4"
L	79.5	80.5
L1	74	75
H	50.5	52.5
E	58	58
Weight (in Kg)	0.33	0.33
Ref. Caleffi	334400	334500
Ref. Sferaco	655054	655055

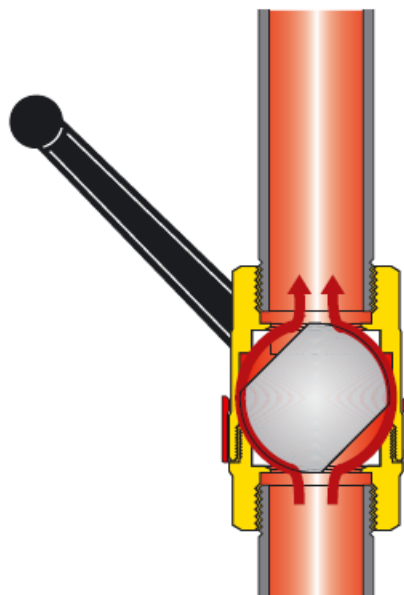
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STANDARDS :

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 :2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (Article 1, § 2.b)
- French water agreement **A.C.S. N° 24 ACC LY 287**
- Threaded male and female BSP cylindrical according to ISO 228-1

EASY SYSTEM COMMISSIONING AND MAINTENANCE:

During system commissioning or maintenance or if it is necessary to reverse the flow direction through the valve, setting the lever to 45° disables the check valve, enabling the medium to flow through the aperture between the outer surface of the ball and the valve body. This procedure also releases any air which may have formed while the system was not in use.



ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages. The customer must check the right choice of the products with the real service conditions.