

Spring check valve metal plate with reinforced spring

- Compact and resistant.
- NBR washer reduces noise.
- 2 Polymer sleeves prevent blocking and reduce friction.



DATA SHEET Spring check valve metal plate with reinforced spring

PRODUCT DESCRIPTION:

Check valve EB type, according to EN-1717 standard. With reinforced spring and anti blocking sleeves.

PRODUCT SCOPE:

- Drinking water and sanitary hot water
- Water distribution networks
- Pressure pump systems
- Radiator and floor heating systems

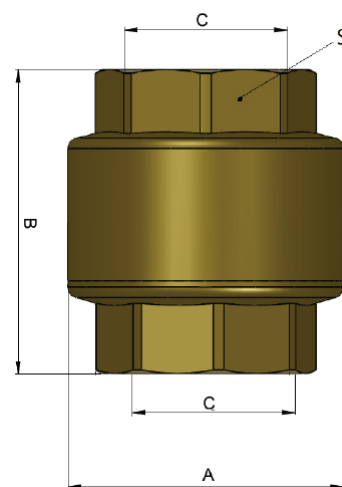
GENERAL DIMENSIONS, WORKING PRESSURE AND TEMPERATURE:

Size (C)	A (mm)	B (mm)	S (mm)	Weight (gr)	PN (bar)	*Temp (°C)
1/2"	34.5	44.8	26	145	20	0-100
3/4"	42.5	47.5	32	200	20	0-100
1"	47.5	55.5	38	275	20	0-100
1 1/4"	59	61	46	380	10	0-100
1 1/2"	66.5	68	52.5	570	10	0-100
2"	79.3	79	65	850	10	0-100

Threads according to ISO228

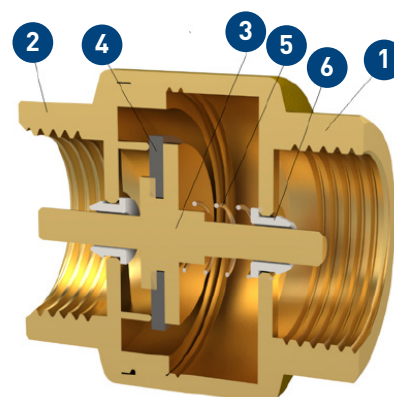
* For peaks during short periods of time. Excluding frozen.

S: face to face.



MATERIALS:

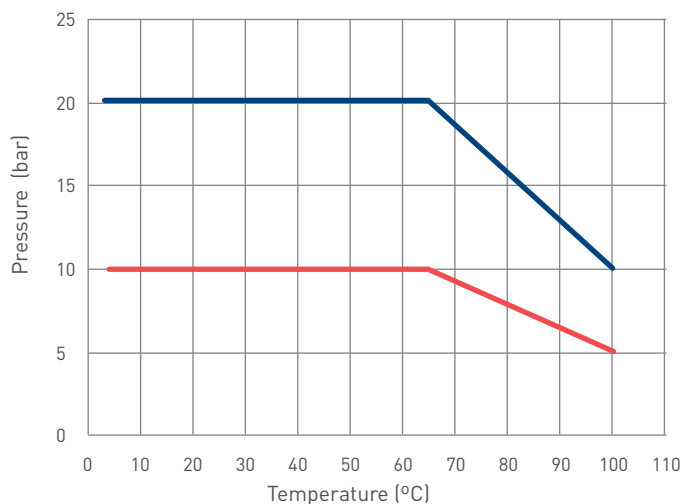
Item	Component	Material	Finished
1	Body	Brass CW617N	Brass color
2	Lateral	Brass CW617N	Brass color
3	Piston	Brass CW617N	-
4	Washer	NBR	-
5	Spring	INOX AISI 304	-
6	Sleeve	PE	Natural





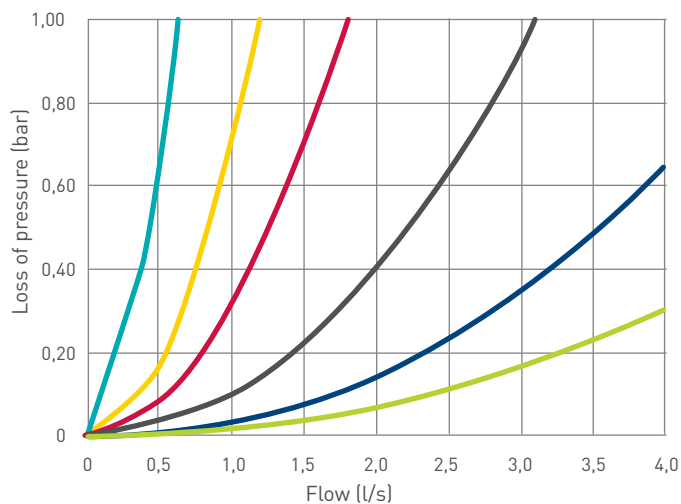
TECHNICAL DATA

Pressure vs temperature diagram



— 1/2" 3/4" y 1"
— 1 1/4" 1 1/2" y 2"

Hydraulic features / Flow vs Loss of pressure



— 1/2" — 1" — 1 1/2"
— 3/4" — 1 1/4" — 2"

Size	1/2"	3/4	1	1 1/4	1 1/2	2
Kv	3.2	6.1	9.3	15.6	24.0	34.7

Kv (m³/h) [cubic metres per hour that Flow through the valve producing a loss of pressure of 1 bar].

Fluid compatibility

Fluid	Compatibility
Water	Good
Glycol	Good
Oil	Medium

For other fluids, please ask.

Minimum opening

Size	1/2	3/4	1	1 1/4	1 1/2	2
Mbar	55	40	50	40	30	55

Installation instructions

Check valves do not require specific maintenance, it is suggested to use a filter upstream to assure the correct working of the valve.

They can be installed in horizontal or vertical position.

The arrow marked in the body must point in the same direction as the water flow.

For its installation (threading) use the faces located at both edges of the valve, never apply any strength to the central part during the installation, it may damage the valve.



Every product has an impact on the environment during all stages of its life-cycle, including final disposal. All components of these valves can be recycled, deposit the valve in a green or recycled point when no longer useful. Válvulas ARCO, SL reserves the right to change our products and specifications at any time and without prior notice.