

SPRING CHECK VALVE METAL PLATE NPT

Anti-pollution check valves where the connection is made by threaded ends.

- Compact and highly resistant.
- Polymer guides to reduce friction and prevent blocks.
- European Brass, DW (4MS) quality for use in drinking water installations.
- Piston with low friction.
- More flow with a larger passage section.
- Low noise level.
- Resist 200.000 cycles*(see test conditions).



TECHNICAL SHEET SPRING CHECK VALVE METAL PLATE NPT

PRODUCT DESCRIPTION

Anti-pollution check valve EB type with reinforced spring and anti-blocking guides with threaded connection. It is suitable in drinking water installations that require a device that prevents water backflow.

PRODUCT SCOPE

Recommended for water installations.

- Drinking water networks.
- Plumbing installations of cold water and sanitary hot water.
- Pumping groups.
- Heating installations.
- Solar installations (only at secondary).

GENERAL DIMENSIONS, PRESSURE AND TEMPERATURE

FEMALE – FEMALE

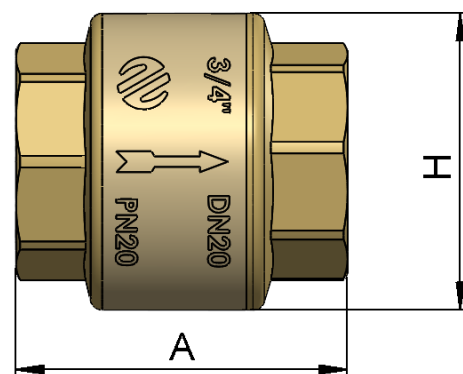
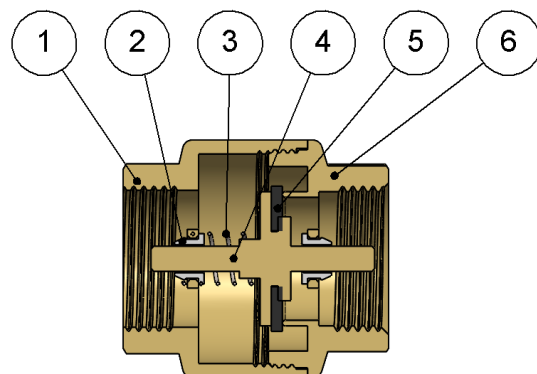
Code	Size	A (mm)	H (mm)	PN (bar)	Temp. (°C)*
191503	1/2" F-F	45	35	20	0 to 100
191504	3/4" F-F	48	43	20	0 to 100
191505	1" F-F	56	48	20	0 to 100

* Freezing is excluded.

MATERIALES

Item	Component	Material	Finishing
1	Body	Brass CW617N	Brass color
2	Guide	PE	-
3	Spring	Stainless steel	Stainless steel
4	Piston	Brass CW617N	Brass color
5	Joint	NBR	-
6	Lateral	Brass CW617N	Brass color

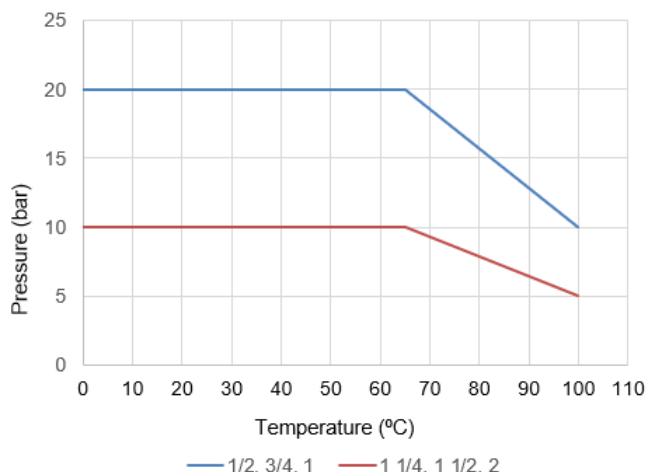
Threading according to ASME B1.20.1





TECHNICAL DATA

Pressure vs. temperature.



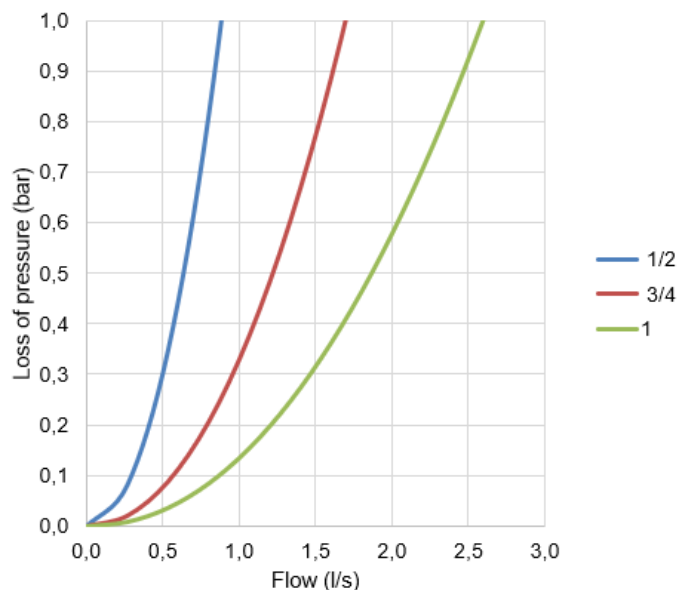
Freezing is excluded.

Compatibility with fluids

Fluid	Compatibility
Drinking water and hot domestic water	Excellent
Water + 50% Glycol (maximum)	Good
Oil	Medium

For any other fluid, please contact Arco technical service.

Hydraulic features. Flow vs. loss of pressure.



Size	1/2	3/4	1
Kv	3.2	6.1	9.3

Kv (m³/h), cubic meters per hour that flow through the valve generating a loss of pressure of 1 bar.

Minimum opening pressure

Size	1/2	3/4	1
mbar	55	40	50

INSTALLATION AND OPERATION INSTRUCTIONS

Before performing any action, the water supply to the installation should be shut off. Make sure there is no dirt or foreign objects in the connection to the network. Apply the appropriate sealing material to the inlet thread of the valve.

It does not require specific maintenance, the use of a filter upstream of the check valve is recommended to ensure the correct operation of the valve. It should be installed horizontally or vertically but always following the direction of the engraved arrow.

The valve should be installed with a suitable tool, preferably with a wrench to hold the body. The tool should act on the flat surfaces of the valve body to avoid deforming this area due to excessive pressure from the tool.

Do not alter the assembly of the valve components; replacement or disassembly of the handle may cause external leaks.

It should not be installed for wastewater or water containing fibrous or suspended elements, risk of blockage of the check valve, malfunction or breakage of the check valve.



All products have an environmental impact during its life cycle, even once retired. All the components of this product can be recycled. Once the use is over, leave the valve in any recycling green point. Válvulas Arco reserves the right to change the product or any of its technical specifications without prior notice.

FT08220ING – Edition 2024-12