

STAR CHECK VALVE F-F. WITH DOUBLE DRAIN

Description



art. 195

Barberi check valves are monodirectional devices, that means that they allow the back flow prevention of fluid under pressure. They are normally used in sanitary water installations, raised waterworks, heating circuits, heating main stations, heat generators (hang wall boilers, wood boilers, heating pumps). Tightness is permitted through forces carried on by a spring and by the pressure of the fluid over a washer which guarantees the tightness even at very low back pressure. Moreover, the strength of the spring allows the valve to have universal features as per the position to be installed.

The peculiarity of this valve is the presence of two side drains (check points) headworks and belows the check valve. These side drains are used to verify the correct working of the check valve (check point headworks the check valve) and to flush the installation (check point belows the check valve). This valve can be used ad antipollution device and if so it has to be used where the fluid is potable water.

Articles range

art. 195 STAR check valve F-F. with double drain

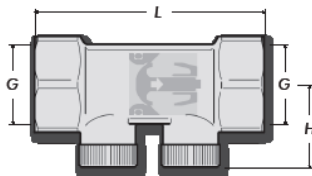
Technical features

Min - max. acceptable temperature(peacks):
-20 °C (see suitable fluids) – 110 °C
Min - max. working temperature:
0 °C (no frost) – 95 °C

Opening pressure: **0,02 bar**
Max working pressure: **16 bar**
Suitable fluys: **water for heating installations,
glycoled water (max 30%), sanitary water**
Installation's connections: **threaded connections ISO 228/1**
Tests: **UNI EN12266-1 §A.3**

On request: versions with galvanic treatment

Dimension

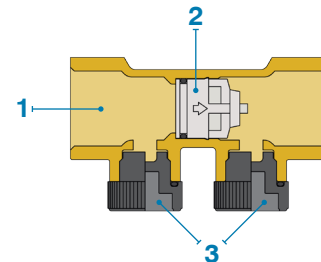


Article code	P	G	H	L	weight	N. P/B	N. P/C
195015000	16	1/2"	26	65	140	-	150
195020000	16	3/4"	27	75	190	-	120
195025000	16	1"	30	90	303	-	70

P: max pressure - Weight (grams) - N. P/B: number of pieces in box -
N. P/C: number of pieces in carton (article in bag)

Materials

- 1 - Valve's body: Brass UNI EN 12165 CW617N
- 2 - Insert: POM+NBR
- 3 - Plug: Nylon



Installation

Universal check valves can be installed in any position respecting flow direction as indicated by the arrow marked on the valve's body. Connection to pipes is made through threads using standard plumbing skills. It is suggested to install the valve in horizontal position with the plugs directed towards the bottom of the installation to favor the flow during flushing.

To verify the tightness of the check valve, it is necessary to install it headworks an interception valve. If necessary it is possible to install drain taps instead of plugs.

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Maintenance

Inspect the valve regularly according to operational conditions and frequency of use. If leakages are found where washers are housed, these could be caused by debris; if so it is necessary to disassemble the valve and clean accurately the washer using compressed air or mechanical action all impurities. If used as antipollution device, it is anyway suggested to replace it.

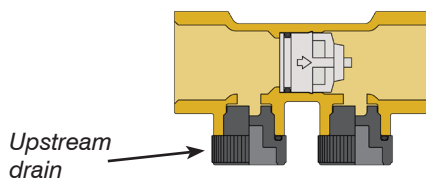
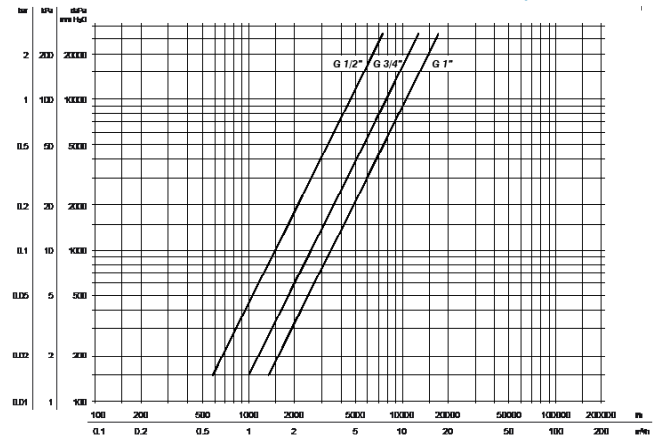
Inspection of check valve tightness

The verification of the tightness with the check valve installed and with the plug sealed, must be carried on according to following steps:

- Check if the interception devices are correctly working
- Turn off all interception devices (and/or taps) below the check valve. This will maintain the pressure on the inner valve.
- Close the interception valve headworks the check valve
- Open the plug headworks the inner valve and flush partially the installation between the interception valve and the check valve
- If the flow stops while the interested part of the installation is flushing, then the valve is correctly working; if the flow doesn't stop, it is necessary to replace the valve

Diagram

art. 055



Using the installation drain

To flush the installation below the check valve, it is necessary to close the interception valve headworks the check valve and then open the discharging plug after the inner valve.

