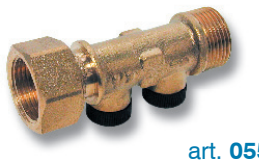
PARIS CHECK VALVE F.-M. WITH DOUBLE DRAIN AND RUNNING NUT

Description



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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), thermal solar installations, generic industrial and agricultural water installations. 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 a flat face running nut and of two side drains (check points) headworks and belows the non return valve. The running nut can be used to connect directly the valve to a water meter. The side drains are used to check the correct working of the non return valve (check point before the non return valve) and to flush the installation (flush belows the non return valve). This valve can be used as antipollution device and if so is to be used in installations where fluid is potable water.

Articles range

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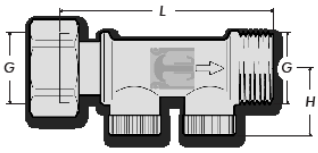
Technical features

Min - max. acceptable temperature(peacks):
-20 °C *(see suitable fluids)* **– 110 °C**
Min - max. working temperature:
0 °C *(no frost)* **– 95 °C**
Opening pressure: **0,05 bar**
Max working pressure: **16 bar**
Suitable fluyds: **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

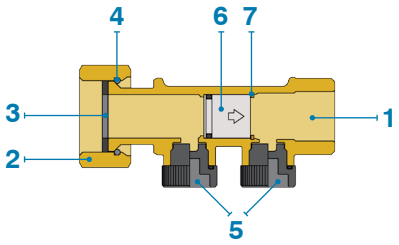


Aricle code	P	DN	G	H	L	weight	N. P/B	N. P/C
055015000	16	15	3/4"	25	78	215	-	100

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 - Nut: Brass UNI EN 12165 CW617N
3 - Washers: Fiber
4 - Stop ring: Stainless steel AISI 302
5 - Plug: Nylon
6 - Insert: POM+NBR+AISI 302
7 - Stop ring: phosphorous bronze



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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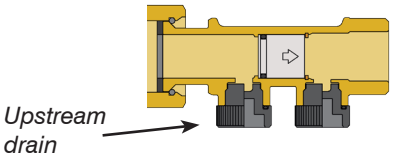
Maintenance

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.

Check of the valve tightness

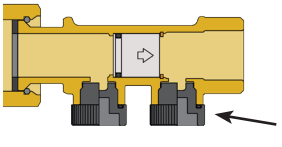
The verification of the tightness with the check valve installed and with the plug sealed, must be carried on according to following steps

- Check if the interception devices are correctly working
- Turn off all interception devices (and/or taps) belows 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.



Using the installation drain

To flush the installation belows the check valve, it is necessary to close the interception valve headworks the same check valve and then open the plug belows the valve.



Diagram

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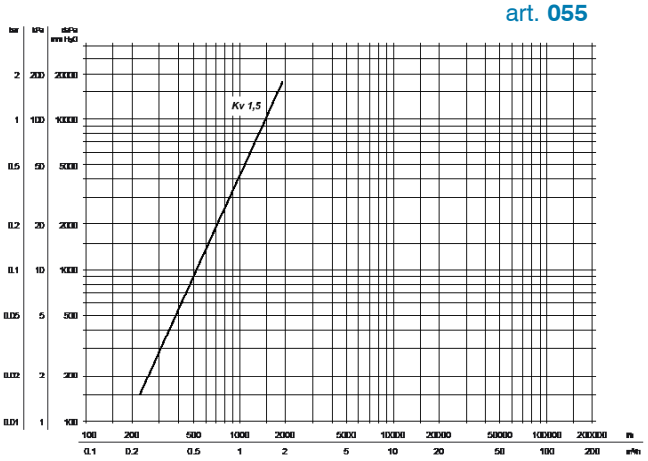

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