"Y" SHAPE CHECK VALVE

Description

art. **130**

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 universal check valve Y shape is the presence of an inspection plug as check point and to verify the washer cleanness.

Articles range

art. **130** "Y" Shape check valve

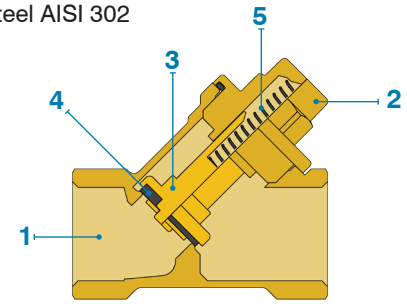
Technical features

Min - max. acceptable temperature(peacks):
-20 °C *(see suitable fluids)* **– 175 °C**
Min - max. working temperature:
0 °C *(no frost)* **– 150 °C**
Opening pressure: **0,02 bar**
Max working pressure: from 3/8" to 1": **35 bar**
from 1"1/4 to 2": **25 bar**
Suitable fluyds: **water for heating installations, glycoled water (max 50%), sanitary water**
Installation's connections: **threaded connections ISO 228/1**
Test: **UNI EN12266-1 §A.3**

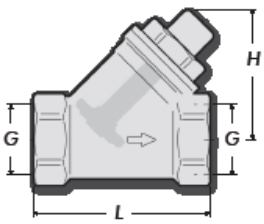
On request: versions with galvanic treatment

Materials

1 - Valve's body: Brass UNI EN 12165 CW617N
2 - Plug: Brass UNI EN 12165 CW617N
3 - Check valve: Brass UNI EN 12164 CW614N
4 - Washers: Viton
5 - Spring: Stainless steel AISI 302



Dimension



Aricle code	P	G	H	L	weight	N. P/B	N. P/C
130010000	35	3/8"	35	48	114	25	200
130015000	35	1/2"	36	52	136	20	160
130020000	35	3/4"	44	63	220	14	84
130025000	35	1"	58	75	374	10	60
130032000	25	1"1/4	62	91	628	5	30
130040000	25	1"1/2	69	102	836	4	24
130050000	25	2"	86	118	1388	2	12

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

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.
The valve shall be installed to favor the disassembling of the plug to inspect the washer

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 plug of the valve paying attention not to loose the spring, take off the inner valve and accurately clean the washer from debris using compressed air or mechanical action.
PAY ATTENTION: when disassembling the plug, the installation shall be previously flushed from fluid and shall not be under pressure.

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Diagram

art. **130**