RUBINETTERIE INDUSTRIALI s.r.l.

EN | TECHNICAL DATA SHEET | rev. A

ST00044

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COMPACT CHECK VALVE

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), 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 chromed valve is the compactness that allows its installation even in little areas

Articles range

art. **P33** Compact universal check valve F.-M.

art. **P34** Compact universal check valve M.-F.

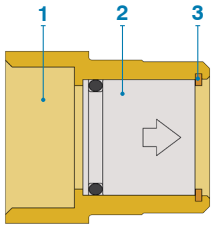
Technical features

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 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**

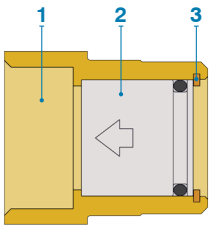
On request: versions with galvanic treatment

Materials

1 - Valve's body: Brass UNI EN 12164 CW614N
2 - Insert: POM+NBR
3 - Spring: phosphorous bronze



art. **P33**



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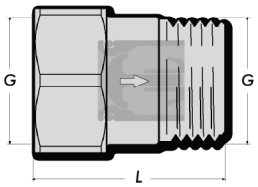
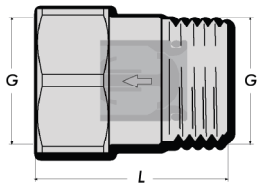
Dimension



art. **P33**

Aricle code	P	G	L	weight	N. P/B	N. P/C
P33015000	16	1/2"	30	45	50	400
P33020000	16	3/4"	36	80	40	160
P33025000	16	1"	42	150	15	120



art. **P34**

Aricle code	P	G	L	weight	N. P/B	N. P/C
P34015000	16	1/2"	30	45	50	400
P34020000	16	3/4"	36	80	40	160
P34025000	16	1"	42	150	15	120

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.

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.

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