

## COMPACT CHROME PLATED CHECK VALVE

### Description



art. 178



art. 179

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, heat generators (hang wall boilers, wood boilers, heating pumps), in household electrical appliances (washing machines). 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 and the installation without using any key.

### Articles range

- art. 178 Compact DZR brass universal check valve F.-M. – chrome plated  
art. 179 Compact DZR brass universal check valve M.-F. – chrome plated

### Technical features

Min - max. acceptable temperature (peaks):  
-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**

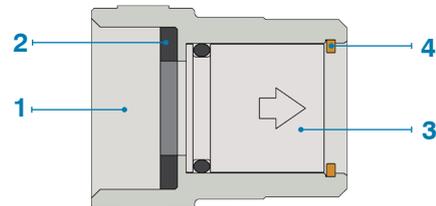
Suitable fluids: **water for heating installations,  
sanitary water**

Installation's connections: **threaded connections ISO 228/1**

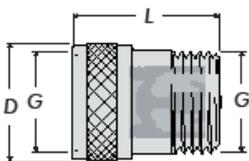
Test: **UNI EN12266-1 §A.3**

### Materials

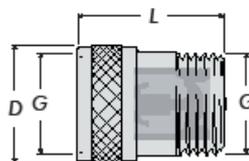
- 1 - Valve's body: Brass UNI EN 12164 CW602N (CR)
- 2 - Washers: NBR
- 3 - Insert: POM+NBR
- 4 - Stop ring: phosphorous bronze



### Dimension



art. 178



art. 179

Article code	P	G	D	L	weight	N. P/B	N. P/C
178015C00	16	1/2"	24	30	40	-	300
178020C00	16	3/4"	30	34	64	-	200

Article code	P	G	D	L	weight	N. P/B	N. P/C
179015C00	16	1/2"	24	30	40	-	300

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

### 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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Diagram

