

## FLANGED CHECK VALVE

### Description



art. 135

Barberi® check valves are monodirectional devices, that means that they allow the back flow prevention of fluid under pressure.

They are normally used in waterworks, 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.

### Articles range

art. 135 Flanged check valve

### Technical features

Min - max. acceptable temperature(peaks):

**-10 °C** (see suitable fluids) – **100 °C**

Min - max. working temperature:

**0 °C** (no frost) – **95 °C**

Opening pressure: **0,06 bar**

Max working pressure: **16 bar**

Suitable fluids: **water for heating installations, glycoled water (max 30%), sanitary water**

Installation's connections: **flanged connections EN 1092**

Tests: **UNI EN12266-1 §A.3**

**In accordante with European Standard 97/23/CE (PED - marked CE1115)**

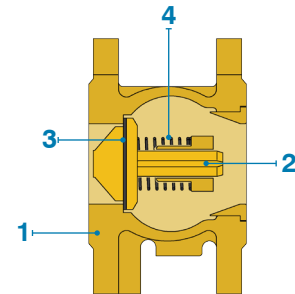
### Materials

**1** - Valve's body: Cust iron EN GJL 250

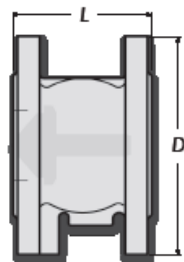
**2** - Obturator: Brass UNI EN 12165 CW617 N

**3** - Washers: NBR

**4** - Spring: Stainless steel AISI 302



### Dimension



### Installation

Universal flanged check valves can be installed in any position. For a correct installation, please refer to the flow direction indicated by the arrow marked on the valve's body.

The assembling on the pipes is done by using flat washers and bolts.

Article code	P	DN	KV	D	L	weight	N. P/B	N. P/C
135050000	16	50	99	165	100	5600	-	2
135065000	16	65	145	185	120	7600	-	2
135080000	16	80	258	200	140	9800	-	1
135100000	16	100	360	220	170	13800	-	1
135125000	16	125	516	250	200	20600	-	1
135150000	16	150	360	285	230	28600	-	1

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

## FLANGED CHECK VALVE

### 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.

### Diagram

Pressure drop diagram

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