

Check valve, Full passage, Brass, G 2, 0.01 - 0.03 bar - Riegler 103887

Item no. RGL-103887

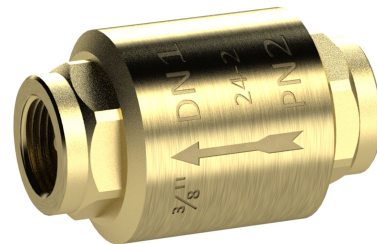
Manufacturer Riegler

EAN 404732224499

Check valve, Full passage, Brass, G 2, 0.01 - 0.03 bar

TECHNICAL DATA

Betriebsdruck max [bar]	18.000000
Country of Manufacture	Italy
Housing material	Brass
Length [mm]	101,0
Material	Brass
Norm	DIN 13, DIN 2999, DIN EN ISO 228-1
Pneumatic connection	G2
Seal material	NBR
Temperature (max.)	100
Thread	G 2
Thread standard	DIN EN ISO 228-1
Weight	1.329 kg
Zolltarifnummer	84813099



STANDARDS & COMPLIANCE

ISO 228-1 ISO 7-1 DIN 2999 DIN 13

DESCRIPTION

Check valve, Full passage, Brass, Operating temperature -20 °C to 100 °C, G 2, PN max. 18 bar, Opening pressure 0.01 - 0.03 bar

TECHNICAL DATA

Max. operating pressure	18 bar
Min. operating temperature	-20 °C
Max. operating temperature	100 °C
Min. opening pressure	0.01 - 0.03 bar
Housing	brass
Sealant	NBR
Spring	stainless steel
Pin	brass
Valve disc	stainless steel

A1-ESD equipment

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Thread

G 2

a/f

70 mm

Length

101.0 mm

STANDARDS AND ORIGIN

- Standard thread: DIN EN ISO 228-1
- Customs tariff number: 84813099
- Country of origin: IT

ABOUT UNIDIRECTIONAL VALVES

Check valves let the medium pass in one direction only and close by themselves against reverse flow. That protects pumps, compressors and measuring points from pressure coming back out of the system. The group covers threads from G 1/4 to G 3 and is rated for operating pressures up to 40 bar depending on version.

WHAT MATTERS WHEN CHOOSING

- Body material follows medium and temperature. Brass covers compressed air and neutral media, while stainless steel 1.4301, 1.4404 and 1.4401 with 1.4408 is intended for aggressive media and high temperatures.
- Cracking pressure is stated per article and sets the differential at which the valve opens. It shows up as pressure loss in the line, so it should not be specified higher than the duty requires.
- Maximum operating pressure lies between 10 and 40 bar. Part of the range also carries a minimum operating pressure of 0.3 bar.
- Operating temperature spans -30 °C to 230 °C. The upper limit depends on the combination of body and seal, which is NBR, FKM or FPM.
- Design and face-to-face length have to suit the pipe run. Inclined seat and straight-way versions are available with lengths from 25 to 141.5 mm.

TYPICAL APPLICATIONS

- Protecting compressors and pumps against reverse flow after shutdown
- Safeguarding air receivers and accumulators when network pressure drops
- Separating parallel line runs that feed a common consumer
- Keeping riser and suction lines from draining back
- Placing ahead of instruments and valves that cannot take back pressure

Seals are NBR, FKM or FPM and bodies are brass or stainless steel 1.4301, 1.4404 and 1.4401 with 1.4408. Threads follow DIN EN ISO 228-1, ISO 7-1, DIN 2999 or DIN 13, with production in Italy, Germany, Austria and Taiwan.

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