

Throttle check valve »Blue Series«, Supply air throttle, R 3/8 o. - Riegler 110005

Item no. RGL-110005

Manufacturer Riegler

EAN 4047322201254

Throttle check valve »Blue Series«, Supply air throttle, R 3/8 o.

TECHNICAL DATA

Betriebsdruck max [bar]	10.000000
Country of Manufacture	China
For hose OD [mm]	10
Material	Plastic or nickel-plated brass
Medium	Compressed air
Norm	DIN 13-1, DIN EN ISO 228-1
Pneumatic connection	R3/8 AG
Seal material	NBR
Series	Blaue Serie
Thread	R 3/8 AG
Weight	0.056 kg
Working pressure max. [bar]	10
Zolltarifnummer	84812090



STANDARDS & COMPLIANCE

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

DESCRIPTION

Throttle check valve »Blue Series«, Supply air throttle, R 3/8 o., for hose exterior Ø 10 mm, pmax short term 15 bar Push-in fittings series manufactured in plastic and nickel-plated brass. All parts are suitable for use with hoses, tubes or pipes made of plastic. A throttle check valve is a combined valve that unites two functions: firstly, it regulates the flow rate of a medium, and secondly, it only allows flow in one direction and prevents reverse flow in the opposite direction.

TECHNICAL DATA

Series	Blue series
Max. working pressure short term	15 bar
Min. working pressure	-0.95 bar
Max. working pressure	10 bar
Max. temperature range	80 °C
Min. temperature range	-20 °C
Material	plastic and nickel-plated brass

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Sealant	NBR
Medium	compressed air
Recommended hose	PU, PA (nylon)
Applications	compressed air systems, automotive, packaging industry, vacuum
Sleeve	plastic
Thread	R 3/8 ET
for tube O.D.	10 mm
L1	32.5 mm
Min. L2	48.7 mm
Max. L2	55.0 mm
a/f	19 mm

STANDARDS AND ORIGIN

- Customs tariff number: 84812090
- Country of origin: CN

ABOUT FUNCTION CONNECTORS

Function fittings add a second job to the line itself, such as throttling exhaust air or blocking one direction, which saves a separate valve and its piping. They install like an ordinary push-in fitting and run on compressed air up to 10 bar. The group holds 335 articles for tube outside diameters from 3 to 12 mm.

WHAT MATTERS WHEN CHOOSING

- The thread sets the mounting point. Parallel G threads from G 1/8 to G 1/2, tapered R threads in the same sizes and M3 or M5 for small ports are available.
- The tube O.D. from 3 to 12 mm has to match the existing line. On throttle versions it also decides, together with the thread, which body shapes exist.
- Working pressure tops out at 10 bar. Some versions reach down to -0.95 bar and therefore suit vacuum sections, while others require a minimum of 1.5 bar.
- The series fixes the body size. Blue Series is the standard build, Blue Series mini covers tight installation spaces.
- Versions with two threads are defined by thread 1 and thread 2, for example a step from G 1/2 to G 1/4. Decide first which side is screwed in permanently.

TYPICAL APPLICATIONS

- Setting extend and retract speed of pneumatic cylinders right at the cylinder port
- Blocking one flow direction so stored air cannot run back on a pressure drop
- Isolating a single consumer for maintenance without draining the main line
- Balancing cycle times of grippers and slides on a handling station
- Merging two supply lines in a distribution run inside the control cabinet

All parts are made from plastic and nickel-plated brass and sealed with NBR, threads follow DIN EN ISO 228-1, ISO 7-1 and DIN 13-1. The specified medium is compressed air.