

Bidirectional flow control valve, both directions, G1/4, plug-in 10 - Riegler 116960

Item no. RGL-116960

Manufacturer Riegler

EAN 4047322716581

Bidirectional flow control valve, both directions, G1/4, plug-in 10

TECHNICAL DATA

Ausführungstyp	regulierbar mit Rändelschraube und Schlitzschraubenzieher
Betriebsdruck max [bar]	10.000000
Country of Manufacture	Italy
For hose OD [mm]	10
Function	throttling on both sides (B)
Medium	filtered, lubricated compressed air
Pneumatic connection	G1/4 AG
Seal material	NBR
Thread	G 1/4 AG
Weight	0.058 kg
Zolltarifnummer	84812090



DESCRIPTION

Bidirectional flow control valve, both dir. (B), G 1/4, plug-in 10, rotating, 0 to 10 bar, -20°C to 80°C, nickel-plated brass For throttling flow rates and regulating the piston speed of cylinders. Small dimensions, ideal for tight spaces. To be screwed directly into the valve or cylinder. The set flow rate can be locked via the lock nut in the version with knurled screw. The variants in banjo bolt construction can be rotated during assembly and are fixed after tightening. The variants with plug-in connector, rotated can also be rotated freely after assembly. The seals and lubricants used are silicone-free.

TECHNICAL DATA

Min. operating pressure 0 bar

Max. operating pressure 10 bar

Min. temperature range -20 °C

Max. temperature range 80 °C

Medium filtered, lubricated compressed air

Sealant NBR

Thread G 1/4 ET

For hose 10 mm

B 48.8 mm

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C	27.0 mm
a/f	10 mm
Version	adjustable with knurled screw and slotted screwdriver
Body	nickel-plated brass
Silicone-free	yes
Function	both directions throttling (B)
Type of connection	plug-in connector
Design	swivel type

STANDARDS AND ORIGIN

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

ABOUT BIDIRECTIONAL FLOW CONTROL VALVES

A throttle valve limits flow and thereby sets how fast a cylinder extends and retracts. The valves in this group work at operating pressures up to 10 bar and throttle in both flow directions. Their small dimensions allow them to be screwed straight into a valve or a cylinder.

WHAT MATTERS WHEN CHOOSING

- The type of connection decides the mounting. The options are threaded connection, push-in connection and quick-connect fitting.
- Male threads run from M5 and G 1/8 up to G 3/8, female threads from G 1/8 to G 1/2.
- Adjustment is offered with a knurled screw, with a slotted screw or in the combined version. Where the setting is changed by hand often, the knurled screw pays off.
- Housing and seal set the temperature limit. Anodised aluminium or stainless steel 1.4404, sealed with NBR or FPM, gives operating temperatures up to 70 °C or up to 150 °C.
- The function is listed as throttling in both directions (B), so both flow directions are restricted.

TYPICAL APPLICATIONS

- Setting the piston speed of pneumatic cylinders.
- Adjusting flow rates at control valves.
- Handling and feeding equipment with little space around the valve.
- Clamping devices that should start gently.
- Plant areas where a stainless steel 1.4404 housing is specified.

The stated medium is filtered, lubricated compressed air, sealed with NBR or FPM. All 43 articles in this group are made in Italy.

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