

Precision control air regulator (feedback controller), G 1/4 - Riegler 101250

Item no. RGL-101250

Manufacturer Riegler

EAN 4047322278416

Precision control air regulator (feedback controller), G 1/4

TECHNICAL DATA

Control range max. [bar]	7
Country of Manufacture	Germany
Housing material	Die-cast zinc
Inlet pressure max. [bar]	16
Material	Die-cast zinc
Pneumatic connection	G1/4
Seal material	FPM
Thread	G 1/4
Weight	0.815 kg
Zolltarifnummer	84811099



DESCRIPTION

Precision control air regulator (feedback controller), without pressure gauge, G 1/4, Control range 0.2 - 7 bar Diaphragm pressure regulator for feedback systems, specially designed for use in a pneumatically controlled closed control loop in combination with a pressure regulator with pneumatic remote control.

TECHNICAL DATA

Thread	G 1/4
Max. input pressure	16 bar
Housing	die-cast zinc
Sealant	FPM
Diaphragms	FPM
air consumption	Yes
Max. internal air consumption	3 - 6 l/min
Min. medium temperature	-10 °C
Max. medium temperature	60 °C
Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Min. control range	0.2 bar

Max. control range

7 bar

Gauge port size

for feedback pressure

A

82.0 mm

B

142.8 mm

C

19.4 mm

D

123.4 mm

STANDARDS AND ORIGIN

- Customs tariff number: 84811099
- Country of origin: DE

ABOUT PRESSURE REGULATORS

Pressure regulators hold the outlet pressure steady even when inlet pressure varies or consumption changes. The range covers control ranges starting between 0 and 5 bar and ending between 1 and 200 bar, with inlet pressures up to 60 bar. Ports run from G 1/8 to G 2.

WHAT MATTERS WHEN CHOOSING

- Control range: lower limits sit between 0 and 5 bar, upper limits between 1 and 200 bar. Keep the working pressure inside the range rather than at its edge.
- Flow rate from 1000 to 50000 l/min: the regulator has to cover peak demand, otherwise secondary pressure drops away on every load peak.
- Medium: besides compressed air and neutral gases there are versions for drinking water, nitrogen and argon, plus variants for ultra-fine filtered oil-free air down to 0.01 µm.
- Body material: aluminium, aluminium die-cast, brass, zinc die-cast, technopolymer, PA66 GF60, stainless steel 1.4404 (AISI 316L) and gunmetal in the Rg5, CC499K and 2.1096.01 grades.
- Series: alongside the mechanical FUTURA, SYNTESI, multifix, variobloc, inline and Standard lines, the electronically controlled REGTRONIC 300 and 400 series handle setpoint-driven applications.

TYPICAL APPLICATIONS

- Holding a steady working pressure at machines and air tools
- Reducing mains pressure to the level required by individual sub-circuits
- Setpoint-driven pressure control on test rigs using the electronic versions
- Pressure reduction in drinking water lines
- Feeding test and measuring rigs with nitrogen or argon

Sealing materials include NBR, FKM, FPM, EPDM, SBR, PU, HNBR and TPU depending on the series. 102 items are rated to protection class IP 65.

A1-ESD equipment

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