

Pressure regulator »Standard«, Size 3, G 1, 0.1 - 3 bar - Riegler 100821

Item no. RGL-100821

Manufacturer Riegler

EAN 4047322108164

Pressure regulator »Standard«, Size 3, G 1, 0.1 - 3 bar

TECHNICAL DATA

Control range max. [bar]	3
Country of Manufacture	Germany
Flow rate [l/min]	5000
Housing material	Die-cast zinc, painted silver
Inlet pressure max. [bar]	25
Material	Die-cast zinc, painted silver
Medium	Compressed air, neutral gases
Nominal size DN [mm]	25
Pneumatic connection	G1
Seal material	NBR
Series	Standard
Size BG	3
Thread	G 1
Weight	1.258 kg
Zolltarifnummer	84811099



DESCRIPTION

Pressure regulator »Standard«, Size 3, G 1, Input pressure max. 25 bar, Medium temp. max. 60 °C, Control range 0.1 - 3 bar Reversible diaphragm pressure regulators, independent of inlet pressure, with self-relieving design.

TECHNICAL DATA

Thread	G 1
Size	3
Max. input pressure	25 bar
Housing	die-cast zinc, painted silver
Sealant	NBR
Min. medium temperature	-10 °C
Max. medium temperature	60 °C
Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Flow rate	5000 l/min

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Min. control range	0.1 bar
Max. control range	3 bar
Pressure gauge display min.	0 bar
Pressure gauge display max.	4 bar
DN	25 mm
A	90.0 mm
B	163.4 mm
C	31.0 mm
D	132.4 mm
Series	Standard
Flow rate measurement	at P1 = 8 bar, P2 = 6 bar and pressure drop $\Delta p = 1$ bar
Medium	compressed air, neutral gases

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.