

Precision pressure regulator »FUTURA«, Size 2, G 1/2, 0.5 - 8 bar - Riegler 100116

Item no. RGL-100116

Manufacturer Riegler

EAN 4047322214407

Precision pressure regulator »FUTURA«, Size 2, G 1/2, 0.5 - 8 bar

TECHNICAL DATA

Control range max. [bar]	8
Country of Manufacture	Germany
Flow rate [l/min]	5200
Housing material	PA66 GF60
Inlet pressure max. [bar]	16
Material	PA66 GF60
Medium	Compressed air, neutral gases
Pneumatic connection	G1/2
Seal material	NBR
Series	FUTURA
Size BG	2
Thread	G 1/2
Weight	0.578 kg
Zolltarifnummer	84811099



DESCRIPTION

Precision pressure regulator, cont. pressure supply »FUTURA«, Size 2, G 1/2, Input pressure max. 16 bar, Control range 0.5 - 8 bar Precision diaphragm pressure regulators with self-relieving design and excellent flow rates in modern design for mounting side by side. By assembling two or more controllers together, it is possible to supply several working air circuits with different pressures via a single supply line.

TECHNICAL DATA

Thread	G 1/2
Size	2
Max. input pressure	16 bar
Min. temperature range	-10 °C
Max. temperature range	50 °C
Housing	PA66 GF60
Connecting thread	material die-cast zinc
Sealant	NBR
Diaphragms	NBR

Flow rate	5200 l/min
Min. control range	0.5 bar
Max. control range	8 bar
Pressure gauge display min.	0 bar
Pressure gauge display max.	10 bar
air consumption	Yes
Max. internal air consumption	2.6 l/min (depending on secondary pressure)
A	63.0 mm
B	150.0 mm
C	110.0 mm
Series	FUTURA
Medium	compressed air, neutral gases
Flow rate measurement	at P1 = 10 bar, P2 = 6.3 bar and pressure drop $\Delta p = 1$ bar

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

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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.