

Inline pressure regulator, IT/ET, G 1/4, pre-set 2 bar - Riegler 101488

Item no. RGL-101488

Manufacturer Riegler

EAN 4047322247245

Inline pressure regulator, IT/ET, G 1/4, pre-set 2 bar

TECHNICAL DATA

Betriebsdruck max [bar]	25.000000
Country of Manufacture	Switzerland
Flow rate [l/min]	500
Housing material	Aluminium
Material	Aluminium
Medium	Compressed air, neutral gases
Pneumatic connection	Female/male thread
Series	inline
Thread	G 1/4
Weight	0.042 kg
Zolltarifnummer	84811099



DESCRIPTION

Inline pressure regulator, IT/ET, with secondary venting, Pre-pressure dependent, G 1/4, Working pressure (pre-set) 2 bar The majority of pneumatic tools are connected directly to the compressed air supply by means of a quick disconnect coupling, in other words they tend to be supplied with a higher pressure than is actually required. Which increases consumption and leads to tool overload. Added safety is provided by the automatic self-relieving function. If the tool is disconnected from the hose, it continues to work for a short period, even though it has been switched off, owing to the residual pressure that is present on the tool side. Inadvertent operation of the tool can thus lead to serious injuries to the user (tackers or nail drivers can fire up to another ten shots). This effect can be prevented by using the inline pressure regulators, which have a preset pressure determined by the application, thereby achieving energy efficiency and economy.

TECHNICAL DATA

Thread	G 1/4
Min. temperature range	0 °C
Max. temperature range	80 °C
Medium	compressed air, neutral gases
Housing	aluminium
Max. operating pressure	25 bar
Flow rate	500 l/min

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Connection	female/male thread
preset outlet pressure	2 bar
Internal parts	stainless steel, nitrile rubber, brass
A	69.0 mm
Series	inline
a/f 1	16 mm
a/f 2	19 mm

STANDARDS AND ORIGIN

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

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.

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