

Precision pressure regulator LRP-1/4-2.5-F1A

Part number: 8196141

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Actuator lock	Rotary knob with detent
Mounting position	optional
Design	Piloted precision diaphragm control valve
Controller function	Output pressure constant With secondary venting
Symbol	00991540
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/8
Operating pressure	0.1 MPa ... 1.2 MPa
Operating pressure	1 bar ... 12 bar
Pressure regulation range	0.05 bar ... 2.5 bar
Inlet pressure 1	1 bar ... 12 bar
Max. pressure hysteresis	0.02 bar
Standard nominal flow rate (standardised to DIN 1343)	1800 l/min
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni
Media temperature	-10 °C ... 60 °C
Ambient temperature	-10 °C ... 60 °C
Product weight	310 g
Type of mounting	Front panel mounting In-line installation With accessories
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Aluminium