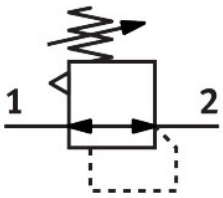
Precision pressure regulator
LRP-1/4-2,5-EX4

Part number: 549919



Data sheet

Feature	Value
Size	50
Actuator lock	Rotary knob with detent
Mounting position	optional
Design	Piloted precision diaphragm control valve
Controller function	Output pressure constant With secondary venting
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/8
Operating pressure	0.1 MPa...1.2 MPa 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
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
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
Media temperature	-10 °C...60 °C
Ambient temperature	-10 °C...60 °C
Product weight	315 g
Type of mounting	Either: 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

Feature	Value
Material housing	Die-cast aluminium