

Precision pressure regulator

LRP-1/4-2,5-EX4

Part number: 549919

FESTO



[General operating condition](#)

Data sheet

Feature	Value
Size	50
Actuator lock	Rotary knob with detent
Mounting position	Any
Structural design	Pilot-controlled precision diaphragm regulator
Controller function	Outlet pressure constant With secondary exhausting
Symbol	00991540
Pressure gauge	G1/8 prepared
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
Normal nominal flow rate (normalized to DIN 1343)	1800 l/min
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gases
Information on operating and pilot media	Operation with oil lubrication not possible
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-10 °C ... 60 °C
Ambient temperature	-10 °C ... 60 °C
Product weight	315 g
Type of mounting	With accessories
Pneumatic connection 1	G1/4
Pneumatic connection 2	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum