

Pressure regulator MS2-LR-M5-D6-A8-B

Part number: 8086637

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Size	2
Series	MS
Actuator lock	Rotary knob with detent
Mounting position	Any
Design	Directly actuated diaphragm regulator
Controller function	Output pressure constant With secondary exhausting With return flow function
Symbol	00991559
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/8
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Pressure regulation range	0.5 bar ... 7 bar
Max. pressure hysteresis	0.025 MPa
Max. pressure hysteresis	0.25 bar
Max. pressure hysteresis	3.625 psi
Standard nominal flow rate (standardised to DIN 1343)	170 l/min
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Storage temperature	-5 °C ... 50 °C
Media temperature	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Product weight	30.8 g
Type of mounting	With accessories
Pneumatic connection, port 1	M5
Pneumatic connection, port 2	M5
Note on materials	RoHS compliant
Material underneath cover	Process automation
Material seals	NBR
Material rotary knob	POM
Material spring	High-alloy steel

Feature	Value
Material housing	Reinforced PA
Material membrane	NBR
Material valve stem	Wrought aluminium alloy NBR