

# Pressure regulator MS12-LR

Part number: 535021

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	12
Series	MS
Actuator lock	Rotary knob with detent Rotary knob with integrated lock can be closed with accessories
Mounting position	Any
Design	Piloted diaphragm regulator
Controller function	Output pressure constant With primary pressure compensation With secondary exhausting With return flow function
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge
Operating pressure	0.08 MPa ... 2.1 MPa
Operating pressure	0.8 bar ... 21 bar
Pressure regulation range	0.15 bar ... 16 bar
Flow rate of secondary exhaust	≤600 l/min
Standard nominal flow rate (standardised to DIN 1343)	12000 l/min ... 22000 l/min
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-10 °C ... 60 °C
Media temperature	-10 °C ... 60 °C
Ambient temperature	-10 °C ... 60 °C
Type of mounting	With mounting bracket
Material covering	Process automation
Note on materials	RoHS compliant
Material underneath cover	Wrought aluminium alloy
Material seals	NBR
Material spring	Spring steel
Material housing	Die-cast aluminium
Material membrane	NBR

Feature	Value
Material valve stem	Wrought aluminium alloy NBR High-alloy stainless steel