

Pressure regulator MS9-LR

Part number: 562530

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	9
Type code	MS9-LR
Series	MS
Actuator lock	Rotary knob with detent Rotary knob with integrated lock can be closed with accessories
Mounting position	Any
Structural design	Directly controlled diaphragm regulator Pilot-controlled diaphragm regulator
Controller function	Outlet pressure constant With primary pressure compensation With secondary exhausting With return flow function Without secondary exhaust
Pressure gauge	G1/4 prepared G1/8 prepared Red-green scale with pressure sensor with pressure gauge with switch indicator
Operating pressure	1 bar ... 20 bar
Pressure regulation range	0.5 bar ... 16 bar
Max. pressure hysteresis	0.4 bar
Max. standard flow rate	32000 l/min
Standard nominal flow rate	11000 l/min ... 30000 l/min
Certification	c UL us - Recognized (OL)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
ATEX category gas	II 2G
ATEX category for dust	II 2D
Type of ignition protection for gas	Ex h IIC T6 Gb X
Type of (ignition) protection for dust	Ex h IIIC T60°C Db X
Explosive ambient temperature	-10°C ≤ Ta ≤ +60°C
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)

Feature	Value
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Storage temperature	-10 °C ... 60 °C
Temperature of medium	-10 °C ... 60 °C
Ambient temperature	-10 °C ... 60 °C
Type of mounting	Optionally: Front panel mounting Line installation With accessories
Covering material	PA-reinforced
Material of sub-base	Die-cast aluminum
Material of mounting bracket	Die-cast aluminum
Housing material	Die-cast aluminum
Module connector material	Die-cast aluminum
Diaphragm material	NBR
Valve tappet material	Wrought aluminum alloy NBR POM