

Filter regulator MS9-LFR

Part number: 562531

FESTO



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	9
Type code	MS9-LFR
Series	MS
Actuator lock	Rotary knob with detent Rotary knob with integrated lock can be closed with accessories
Mounting position	Vertical +/- 5°
Grade of filtration	5 µm ... 40 µm
Condensate drain	Fully automatic Manually rotating Semi-automatic
Structural design	Directly controlled compressed air filter diaphragm regulator Pilot-controlled compressed air filter diaphragm regulator
Max. condensate volume	220 ml
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
Standard nominal flow rate	10000 l/min ... 24000 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

Feature	Value
Explosive ambient temperature	+5°C ≤ Ta ≤ +60°C
Operating medium	Compressed air as per ISO 8573-1:2010 [-:4:-] Compressed air as per ISO 8573-1:2010 [7:4:-] Inert gas
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: Line installation With accessories
Covering material	PA-reinforced
Material of spin disc	POM
Material of filter support	POM
Note on materials	RoHS-compliant
Material of sub-base	Die-cast aluminum
Material of mounting bracket	Die-cast aluminum
Compressed air filter material	PE
Housing material	Die-cast aluminum
Module connector material	Die-cast aluminum
Diaphragm material	NBR
Material of bowl	Wrought aluminum alloy
Shell sealing material	NBR
Inspection window material	PA
Separating disc material	POM
Valve tappet material	Wrought aluminum alloy NBR POM