

Filter regulator MS9-LFR

Part number: 562531

FESTO

For manifold assembly, with G thread.



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	9
Series	MS
Actuator lock	Rotary knob with lock Rotary knob with integrated lock with accessories, lockable
Assembly position	Vertical +/- 5°
Grade of filtration	5 ... 40 µm
Condensate drain	fully automatic manual rotary semi-automatic
Design structure	Directly actuated filter diaphragm regulator Pilot-actuated filter diaphragm regulator
Max. condensate volume	220 ml
Controller function	Output pressure constant with initial pressure compensation with secondary exhaust with return flow Without secondary venting
Pressure gauge	Prepared for G1/4 Prepared for G1/8 Red/green scale with pressure sensor with pressure gauge With operational status indicator
Working pressure	1 ... 20 bar
Pressure regulation range	0.5 ... 16 bar
Max. pressure hysteresis	0.4 bar
Standard nominal flow rate	10,000 ... 24,000 l/min
Authorization	c UL us - Recognized (OL)
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T6 Gb X
Explosion ignition protection type Dust	Ex h IIIC T60°C Db X
Explosion-proof ambient temperature	-10°C ≤ Ta ≤ +60°C
Operating medium	Compressed air to ISO 8573-1:2010 [-:4:-] Compressed air in accordance with ISO8573-1:2010 [7:4:-] Inert gases
Corrosion resistance classification CRC	2 - Moderate corrosion stress

Feature	Value
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-10 ... 60 °C
Medium temperature	-10 ... 60 °C
Ambient temperature	-10 ... 60 °C
Mounting type	Line installation with accessories Optional
Material of cover	PA-reinforced
Material of spin disc	POM
Material of filter holder	POM
Materials note	Conforms to RoHS
Material of connecting plate	Aluminum die cast
Material mounting bracket	Aluminum die cast
Material filter	PE
Material housing	Aluminum die cast
Material module connector	Aluminum die cast
Material membrane	NBR
Material bowl	Wrought Aluminum alloy
Material cup seal	NBR
Material screen	PA
Material separating plate	POM
Material valve stem	Wrought Aluminum alloy NBR POM