

# Filter regulator MS6-LFR-1/2-D6-C-P-M-AG-MPA-F1A-B

Part number: 8175822

FESTO



General operating condition

## Data sheet

Feature	Value
Size	6
Series	MS
Actuator lock	Rotary knob with detent
Mounting position	Vertical +/-5°
Grade of filtration	5 µm
Condensate drain	Manually rotating
Design	Directly actuated piston regulator
Max. condensate volume	27.3 ml
Controller function	Output pressure constant With secondary venting With return flow function
Degree of condensate separation	>75 %
Symbol	00991589
Displayable units	MPa
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Pressure regulation range	0.3 bar ... 7 bar
Max. pressure hysteresis	0.035 MPa
Max. pressure hysteresis	0.35 bar
Max. pressure hysteresis	5.075 psi
Standard nominal flow rate (standardised to DIN 1343)	4750 l/min
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas
Note on operating and pilot medium	Compatibility with ester oil not guaranteed
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	Class 7 according to ISO 14644-1
Storage temperature	-5 °C ... 50 °C
Air purity class at output	Compressed air to ISO 8573-1:2010 [6:4:4]
Media temperature	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Pore size	5 µm
Product weight	581 g

<b>Feature</b>	<b>Value</b>
Type of mounting	With accessories
Pneumatic connection, port 1	G1/2
Pneumatic connection, port 2	G1/2
Note on materials	RoHS-compliant
Material seals	NBR
Material rotary knob	POM
Material spring	High-alloy stainless steel
Material filter	PE
Material housing	PA-reinforced
Material bowl	PC
Material valve stem	POM