

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

Part number: 8175819

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	40 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)	5300 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 [7:4:4]
Media temperature	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Pore size	40 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