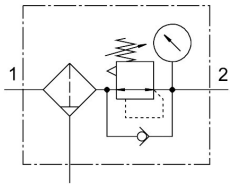
Filter regulator
MS6-LFR-1/2-D6-E-P-M-AG-BAR-F1A-B

Part number: 8175820



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	Filter regulator with pressure gauge 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 %
Displayable units	bar psi
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Pressure regulation range	0.3 bar...7 bar
Max. pressure hysteresis	0.035 MPa 0.35 bar 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 gases
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	Product corresponds to the internal product definition from Festo for use in battery production:Metals with more than 1% by mass of copper, zinc or nickel are excluded from use.The exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 7 according to ISO 14644-1

Feature	Value
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
Type of mounting	Front panel mounting In-line installation With accessories Either:
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