

Filter regulator MS4-LFR-1/4-D6-E-P-M-AG-BAR-F1A-B

Part number: 8175799

FESTO



General operating condition

Data sheet

| Feature | Value |
|---|--|
| Size | 4 |
| Series | MS |
| Actuator lock | Rotary knob with detent |
| Mounting position | Vertical +/-5° |
| Grade of filtration | 40 µm |
| Condensate drain | Manual, rotating |
| Design | Directly actuated piston regulator |
| Max. condensate volume | 16.5 ml |
| Controller function | Output pressure constant With secondary exhausting With return flow function |
| Degree of condensate separation | >75 % |
| Symbol | 00991589 |
| Displayable units | bar psi |
| 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 | 0.05 MPa |
| Max. pressure hysteresis | 0.5 bar |
| Max. pressure hysteresis | 7.25 psi |
| Standard nominal flow rate (standardised to DIN 1343) | 1700 l/min |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas |
| 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 | 207 g |

| Feature | Value |
|------------------------------|----------------------------|
| Type of mounting | With accessories |
| Pneumatic connection, port 1 | G1/4 |
| Pneumatic connection, port 2 | G1/4 |
| Note on materials | RoHS compliant |
| Material seals | NBR |
| Material rotary knob | POM |
| Material spring | High-alloy stainless steel |
| Material filter | Packaging unit |
| Material housing | Reinforced PA |
| Material bowl | Makrolon® |
| Material valve stem | POM |