

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

Part number: 8098307

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  | Manual, rotating   |
| Design  | Directly actuated piston regulator   |
| Max. condensate volume                                    | 27.3 ml  |
| Controller function                                       | Output pressure constant<br>With secondary exhausting<br>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]<br>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  |
| 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  |
| Type of mounting  | With accessories   |

| <b>Feature</b>               | <b>Value</b>                         |
|------------------------------|--------------------------------------|
| 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 steel<br>Galvanised steel |
| Material filter              | Packaging unit                       |
| Material housing             | Reinforced PA                        |
| Material bowl                | Makrolon®                            |
| Material valve stem          | POM                                  |