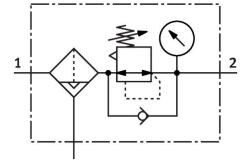


# Filter regulator MS6-LFR-1/2-D6-C-P-VC-AG-BAR-B

Part number: 8098309

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                               | Value                                                                           |
|-------------------------------------------------------|---------------------------------------------------------------------------------|
| Size                                                  | 6                                                                               |
| Series                                                | MS                                                                              |
| Actuator lock                                         | Rotary knob with detent                                                         |
| Mounting position                                     | Vertical $\pm 5^\circ$                                                          |
| Grade of filtration                                   | 5 $\mu\text{m}$                                                                 |
| Condensate drain                                      | Fully automatic<br>Manual, non-detenting                                        |
| Design                                                | Filter regulator with pressure gauge<br>Directly actuated piston regulator      |
| Max. condensate volume                                | 27.3 ml                                                                         |
| Controller function                                   | Output pressure constant<br>With secondary venting<br>With return flow function |
| Symbol                                                | 00991587                                                                        |
| Displayable units                                     | bar<br>psi                                                                      |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | With pressure gauge                                                             |
| Operating pressure                                    | 0.2 MPa ... 1 MPa                                                               |
| Operating pressure                                    | 2 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]<br>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                                                               |
| Cleanroom class                                       | 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                                                                  |
| Product weight                                        | 589 g                                                                           |

| Feature                      | Value                                                                       |
|------------------------------|-----------------------------------------------------------------------------|
| Type of mounting             | Either:<br>Front panel mounting<br>In-line installation<br>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 steel<br>Galvanised steel                                        |
| Material filter              | PE                                                                          |
| Material housing             | PA-reinforced                                                               |
| Material bowl                | PC                                                                          |
| Material valve stem          | POM                                                                         |