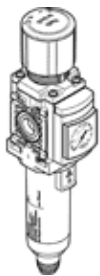


# filter regulator

## MS4-LFR-1/4-D6-C-P-M-AG-MPA-F1A-B

Part number: 8175801

FESTO



## Data sheet

| Feature                                 | Value   |
|---|---|
| Size                                    | 4   |
| Series                                  | MS  |
| Actuator lock                           | Rotary knob with lock   |
| Assembly position                       | Vertical +/- 5°   |
| Grade of filtration                     | 5 µm  |
| Condensate drain                        | manual rotary   |
| Design structure                        | Filter regulator with pressure gauge<br>directly-controlled piston regulator  |
| Max. condensate volume                  | 16.5 ml   |
| Controller function                     | Output pressure constant<br>with secondary exhaust<br>with return flow        |
| Unit(s) that can be displayed           | MPa   |
| Pressure gauge                          | with pressure gauge   |
| Operating pressure MPa                  | 0.1 ... 1 MPa   |
| Operating pressure                      | 1 ... 10 bar  |
| Pressure regulation range               | 0.3 ... 7 bar   |
| Max. pressure hysteresis (MPa)          | 0.05 MPa  |
| Max. pressure hysteresis                | 0.5 bar<br>7.25 psi   |
| Standard nominal flow rate              | 1,500 l/min   |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]<br>Inert gases       |
| Corrosion resistance classification CRC | 1 - Low corrosion stress  |
| PWIS conformity                         | VDMA24364-B1/B2-L   |
| RSBP classification to CD-0033          | F1a   |
| Cleanroom class                         | ISO class 7   |
| Storage temperature                     | -5 ... 50 °C  |
| Air purity class at output              | Compressed air in accordance with ISO8573-1:2010 [6:4:4]                      |
| Medium temperature                      | -5 ... 50 °C  |
| Ambient temperature                     | -5 ... 50 °C  |
| Product weight                          | 207 g   |
| Mounting type                           | Front panel installation<br>Line installation<br>with accessories<br>Optional |
| Pneumatic connection, port 1            | G1/4  |
| Pneumatic connection, port 2            | G1/4  |
| Materials note                          | Conforms to RoHS  |
| Material seals                          | NBR   |
| Material rotary knob                    | POM   |
| Material spring                         | High alloy steel, non-corrosive   |
| Material filter                         | PE  |
| Material housing                        | PA-reinforced   |
| Material bowl                           | PC  |
| Material valve stem                     | POM   |