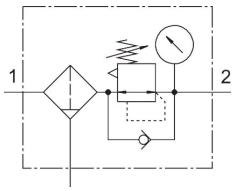
# Filter regulator
# MS6-LFR-1/2-D6-C-P-M-AG-BAR-B

Part number: 8098300






## Data sheet

| Feature | Value |
|---|---|
| Size | 6 |
| Series | MS |
| Actuator lock | Rotary knob with detent |
| Mounting position | Vertical +/-5° |
| Grade of filtration | 5 µm |
| Condensate drain | Manual, rotating |
| 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 exhausting<br>With return flow function |
| Degree of condensate separation | 75 % |
| Displayable units | bar<br>psi |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | With pressure gauge |
| Operating pressure | 0.1 MPa...1 MPa<br>1 bar...10 bar |
| Pressure regulation range | 0.3 bar...7 bar |
| Max. pressure hysteresis | 0.035 MPa<br>0.35 bar<br>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 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 [6:4:4] |
| Media temperature | -5 °C...50 °C |
| Ambient temperature | -5 °C...50 °C |

| Feature | Value |
|---|---|
| Pore size | 5 µm |
| Product weight | 581 g |
| Type of mounting | Either:<br>Front panel mounting<br>Inline 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 | Packaging unit |
| Material housing | Reinforced PA |
| Material bowl | Makrolon® |
| Material valve stem | POM |