

Filter regulator MS12-LFR-G-D7-EUV-LD-AS

Part number: 537149

FESTO



General operating condition

Data sheet

| Feature | Value |
|---|---|
| Size | 12 |
| Series | MS |
| Actuator lock | Rotary knob with detent can be closed with accessories |
| Mounting position | Vertical $\pm 5^\circ$ |
| Grade of filtration | 40 μm |
| Condensate drain | Manual, non-detenting |
| Structural design | Sinter filter with centrifugal separator with condensate drain With secondary exhausting Modular Pilot-controlled diaphragm regulator |
| Max. condensate volume | 400 ml |
| Controller function | Constant output pressure With primary pressure compensation With secondary exhausting With return flow characteristic |
| Bowl guard | Integrated as metal bowl |
| Degree of condensate separation | $>75\%$ |
| Symbol | 00991587 |
| Pressure gauge | with pressure gauge |
| Operating pressure | 2 bar ... 12 bar |
| Pressure regulation range | 0.5 bar ... 12 bar |
| Max. pressure hysteresis | 0.4 bar |
| Flow rate of secondary venting | 500 l/min |
| Normal nominal flow rate (normalized to DIN 1343) | 12000 l/min ... 17000 l/min |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:-] Inert gases |
| Information on operating and pilot media | Ester oil $< 0.1\text{mg}/\text{m}^3$, according to ISO 8573-1:2010 [-: -:2] |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | $-10\text{ }^\circ\text{C}$... $60\text{ }^\circ\text{C}$ |
| Air quality class at the output | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Temperature of medium | $5\text{ }^\circ\text{C}$... $60\text{ }^\circ\text{C}$ |
| Ambient temperature | $5\text{ }^\circ\text{C}$... $60\text{ }^\circ\text{C}$ |
| Pore size | 40 μm |
| Product weight | 7000 g |

| Feature | Value |
|------------------------------------|---|
| Type of mounting | With retaining bracket |
| Pneumatic connection 1 | Internal |
| Pneumatic connection 2 | Internal |
| Covering material | PA |
| Material of spin disc | POM |
| Material of filter support | POM |
| Material of sight glass metal bowl | PC |
| Material of operator panel | PA-reinforced POM |
| Seals material | NBR |
| Material of spring | Spring steel |
| Compressed air filter material | Sintered bronze |
| Housing material | Die-cast aluminum |
| Diaphragm material | NBR |
| Material of bowl | Wrought aluminum alloy |
| Separating disc material | POM |
| Valve tappet material | Wrought aluminum alloy NBR high-alloy stainless steel |
| Material of stabilizing disc | POM |