

**Micro filter**  
**MS9-LFM-1-AUV**  
Part number: 553002

**FESTO**



**Data sheet**

| Feature                                                   | Value                                                      |
|-----------------------------------------------------------|------------------------------------------------------------|
| Series                                                    | MS                                                         |
| Size                                                      | 9                                                          |
| Structural design                                         | Fiber filter                                               |
| Grade of filtration                                       | 0.01 µm                                                    |
| Condensate drain                                          | Fully automatic<br>Manual, non-detenting                   |
| Operating pressure                                        | 0.2 MPa...1.2 MPa<br>2 bar...12 bar                        |
| Operating medium                                          | Compressed air as per ISO 8573-1:2010 [6::4]               |
| Air quality class at the output                           | Compressed air as per ISO 8573-1:2010 [3::2]               |
| Max. standard flow rate for air quality class             | 6500 l/min                                                 |
| Min. standard flow rate for air quality class             | 325 l/min                                                  |
| Filter efficiency                                         | 99.9999 %                                                  |
| Max. condensate volume                                    | 225 ml                                                     |
| Corrosion resistance class (CRC)                          | 2 - Moderate corrosion stress                              |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L                                          |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 7 according to ISO 14644-1                           |
| Temperature of medium                                     | 5 °C...60 °C                                               |
| Ambient temperature                                       | 5 °C...60 °C                                               |
| Storage temperature                                       | -10 °C...60 °C                                             |
| Filter efficiency, fine particles                         | 99.995 %                                                   |
| MPPS                                                      | 0.08 µm                                                    |
| MPPS filter efficiency                                    | 99.981 %                                                   |
| Residual oil content                                      | 0.01 mg/m³                                                 |
| Filter efficiency, oil aerosol                            | 99 %                                                       |
| Type of mounting                                          | Alternatively:<br>In-line installation<br>With accessories |
| Mounting position                                         | Vertical ±5°                                               |
| Pneumatic connection 1                                    | G1                                                         |
| Pneumatic connection 2                                    | G1                                                         |
| Housing material                                          | Die-cast aluminum                                          |

| Feature                        | Value                    |
|--------------------------------|--------------------------|
| Covering material              | PA                       |
| Compressed air filter material | Borosilicate glass fiber |
| Material of bowl               | Wrought aluminum alloy   |
| Inspection window material     | PA                       |
| Seals material                 | NBR                      |
| Product weight                 | 2000 g                   |