

**Micro filter**  
**MS6-LFM-1/4-ARV**  
Part number: 530510

**FESTO**



**Data sheet**

| Feature                                       | Value                                                      |
|-----------------------------------------------|------------------------------------------------------------|
| Series                                        | MS                                                         |
| Size                                          | 6                                                          |
| 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]<br>Inert gas |
| Air quality class at the output               | Compressed air as per ISO 8573-1:2010 [3:::2]              |
| Max. standard flow rate for air quality class | 900 l/min                                                  |
| Min. standard flow rate for air quality class | 135 l/min                                                  |
| Filter efficiency                             | 99.9999 %                                                  |
| Max. condensate volume                        | 38 cm <sup>3</sup>                                         |
| Bowl guard                                    | Plastic bowl guard                                         |
| Corrosion resistance class (CRC)              | 2 - Moderate corrosion stress                              |
| LABS (PWIS) conformity                        | VDMA24364-B1/B2-L                                          |
| For use in the food industry                  | See supplementary material information                     |
| Temperature of medium                         | -10 °C...60 °C                                             |
| Ambient temperature                           | -10 °C...60 °C                                             |
| Storage temperature                           | -10 °C...60 °C                                             |
| Filter efficiency, fine particles             | 99.995 %                                                   |
| MPPS                                          | 0.05 µm                                                    |
| MPPS filter efficiency                        | 99.95 %                                                    |
| Residual oil content                          | 0.01 mg/m <sup>3</sup>                                     |
| Filter efficiency, oil aerosol                | 99 %                                                       |
| Type of mounting                              | Line installation<br>With accessories<br>Optionally:       |
| Mounting position                             | Vertical +/- 5°                                            |
| Pneumatic connection 1                        | G1/4                                                       |

| Feature                        | Value              |
|--------------------------------|--------------------|
| Pneumatic connection 2         | G $\frac{1}{4}$    |
| Housing material               | Die-cast aluminum  |
| Compressed air filter material | Borosilicate fiber |
| Material of bowl               | PC                 |
| Seals material                 | NBR                |
| Note on materials              | RoHS-compliant     |
| Product weight                 | 600 g              |