

**Micro filter**  
**MS4N-LFM-1/4-AUV-DA-Z**  
 Part number: 537 224

**FESTO**



## Data sheet

| Feature                                       | Value                                                        |
|-----------------------------------------------|--------------------------------------------------------------|
| Series                                        | MS                                                           |
| Size                                          | 4                                                            |
| 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 gases |
| Air quality class at the output               | Compressed air as per ISO 8573-1:2010 [3:::2]                |
| Max. standard flow rate for air quality class | 360 l/min                                                    |
| Min. standard flow rate for air quality class | 54 l/min                                                     |
| Filter efficiency                             | 99.9999 %                                                    |
| Max. condensate volume                        | 25 ml                                                        |
| Bowl guard                                    | Integrated as metal bowl                                     |
| 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/m³                                                   |
| Filter efficiency, oil aerosol                | 99 %                                                         |
| Differential pressure display                 | Visual display                                               |
| Type of mounting                              | Alternatively:<br>In-line installation<br>With accessories   |

| Feature                        | Value                                       |
|--------------------------------|---------------------------------------------|
| Mounting position              | Vertical ±5°                                |
| Pneumatic connection 1         | 1/4 NPT                                     |
| Pneumatic connection 2         | 1/4 NPT                                     |
| Housing material               | Die-cast aluminum                           |
| Compressed air filter material | Borosilicate glass fiber                    |
| Material of bowl               | Die-cast aluminum<br>Wrought aluminum alloy |
| Inspection window material     | PA                                          |
| Seals material                 | NBR                                         |
| Note on materials              | RoHS compliant                              |
| Product weight                 | 350 g                                       |