

# Fine filter MS9-LFM-1-BUM

Part number: 553004

FESTO



 General operating condition

## Data sheet

| Feature                                                   | Value                                     |
|-----------------------------------------------------------|-------------------------------------------|
| Series                                                    | MS                                        |
| Size                                                      | 9                                         |
| Design                                                    | Fibre filter                              |
| Grade of filtration                                       | 1 µm                                      |
| Condensate drain                                          | Manual, rotating                          |
| Symbol                                                    | 00991519                                  |
| Operating pressure                                        | 0 MPa ... 2 MPa                           |
| Operating pressure                                        | 0 bar ... 20 bar                          |
| Operating pressure                                        | 0 psi ... 290 psi                         |
| Operating medium                                          | Compressed air to ISO 8573-1:2010[6:-:4]  |
| Air purity class at output                                | Compressed air to ISO 8573-1:2010:[5:-:3] |
| Max. standard flow rate for clean air class               | 7000 l/min                                |
| Min. standard flow rate for clean air class               | 350 l/min                                 |
| Filter efficiency                                         | 99.99 %                                   |
| 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          |
| Media temperature                                         | -10 °C ... 60 °C                          |
| Ambient temperature                                       | -10 °C ... 60 °C                          |
| Storage temperature                                       | -10 °C ... 60 °C                          |
| Filter efficiency, fine particles                         | 99 %                                      |
| Residual oil content                                      | 0.5 mg/m <sup>3</sup>                     |
| Filter efficiency, oil aerosol                            | 90 %                                      |
| Explosion ambient temperature                             | -10°C ≤ Ta ≤ +60°C                        |
| Type of mounting                                          | With accessories                          |
| Mounting position                                         | Vertical +/-5°                            |
| Pneumatic connection, port 1                              | G1                                        |
| Pneumatic connection, port 2                              | G1                                        |
| Material housing                                          | Die-cast aluminium                        |
| Material covering                                         | Process automation                        |
| Material filter                                           | Borosilicate fibre                        |
| Material bowl                                             | Wrought aluminium alloy                   |
| Material screen                                           | Process automation                        |

| <b>Feature</b> | <b>Value</b> |
|----------------|--------------|
| Material seals | NBR          |
| Product weight | 2000 g       |