

# Micro filter MS9-LFM-N1-AUM-HF

Part number: 553054

FESTO



 General operating condition

## Data sheet

| Feature   | Value                                     |
|---|---|
| Series  | MS  |
| Size  | 9   |
| Design  | Fibre filter                              |
| Grade of filtration                                       | 0.01 µm                                   |
| Condensate drain  | Manually rotating                         |
| Symbol  | 00991519                                  |
| Operating pressure  | 0 MPa ... 2 MPa                           |
| Operating pressure  | 0 bar ... 20 bar                          |
| Operating medium  | Compressed air to ISO 8573-1:2010 [6:-:4] |
| Air purity class at output                                | Compressed air to ISO 8573-1:2010 [3:-:2] |
| Max. standard flow rate for clean air class               | 7800 l/min                                |
| Min. standard flow rate for clean air class               | 390 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          |
| Media temperature   | -10 °C ... 60 °C                          |
| Ambient temperature                                       | -10 °C ... 60 °C                          |
| Storage temperature                                       | -10 °C ... 60 °C                          |
| Filter efficiency, fine particles                         | 99.995 %                                  |
| MPPS  | 0.1 µm                                    |
| Filter efficiency MPPS                                    | 99.968 %                                  |
| Residual oil content                                      | 0.01 mg/m <sup>3</sup>                    |
| Filter efficiency, oil aerosol                            | 99 %                                      |
| Type of mounting  | With accessories                          |
| Mounting position   | Vertical +/-5°                            |
| Pneumatic connection, port 1                              | 1 NPT                                     |
| Pneumatic connection, port 2                              | 1 NPT                                     |
| Material housing  | Die-cast aluminium                        |
| Material covering   | PA  |
| Material filter   | Borosilicate fibre                        |
| Material bowl   | Wrought aluminium alloy                   |
| Material screen   | PA  |

| <b>Feature</b> | <b>Value</b> |
|----------------|--------------|
| Material seals | NBR          |
| Product weight | 2500 g       |