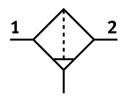
## Micro filter MS9-LFM-N3/4-AUM-HF Part number: 552980

**FESTO** 





General operating condition

## **Data sheet**

| Size   9  | Feature                                       | Value   |
|---|---|---|
| Structural design     Fiber filter       Grade of filtration     0.01 μm       Condensate drain     Manually rotating       Symbol     00991519       Operating pressure     0 bar 20 bar       Operating medium     Compressed air as per ISO 8573-1:2010 [6:4:4]       Air quality class at the output     Compressed air as per ISO 8573-1:2010 [3:4:2]       Max. standard flow rate for air quality class     7800 l/min       Min. standard flow rate for air quality class     390 l/min       Filter efficiency     99.9999 %       Max. condensate volume     225 ml       Corrosion resistance class (CRC)     2 - Moderate corrosion stress       LABS (PWIS) conformity     VDMA2364-81/B2-L       Temperature of medium     -10 °C 60 °C       Ambient temperature     -10 °C 60 °C       Storage temperature     -10 °C 60 °C       Storage temperature     -10 °C 60 °C       WPPS     99.958 %       MPPS     0.1 μm       MPPS filter efficiency, geg-968 %     99.968 %       Residual oil content     0.01 mg/m³       Filter efficiency, oil aerosol     99 %       Mounting position     Vertical +/ 5°       Peneumatic connection 1     3/4 NPT       Pheumatic connection 2     3/4 NPT       Housing material     Die-cast aluminum <td>Series</td> <td>MS</td>  | Series  | MS  |
| Grade of filtration 0.01 μm Condensate drain Manually rotating Symbol 0.0991519 Operating pressure 0 bar 20 bar Operating medium Compressed air as per ISO 8573-1:2010 [6:4:4] Air quality class at the output Compressed air as per ISO 8573-1:2010 [3:4:2] Max. standard flow rate for air quality class 7800 l/min Min. standard flow rate for air quality class 390 l/min Filter efficiency 99.999 % Max. condensate volume 225 ml Corrosion resistance class (CRC) 2-Moderate corrosion stress  LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C 60 °C Storage temperature 1:0 °C 60 °C Storage temperature 1:0 °C 60 °C Filter efficiency, fine particles 99.995 % MPPS 0.1 μm MPPS filter efficiency P9.968 % Residual oil content 0.01 mg/m³ Filter efficiency, oil aerosol 99 %  Mounting position Vertical +/ 5° Pneumatic connection 1 3/4 NPT Pneumatic connection 2 3/4 NPT Pneumatic connection 2 3/4 NPT Pneumatic connection 2 Borosilicate fiber Material of bowl Wrought aluminum alloy Inspection window material   | Size  | 9   |
| Condensate drain  Manually rotating  Symbol  Operating pressure  Obar 20 bar  Operating medium  Compressed air as per ISO 8573-1:2010 [6:4:4]  Air quality class at the output  Compressed air as per ISO 8573-1:2010 [3:4:2]  Max. standard flow rate for air quality class  7800 I/min  Min. standard flow rate for air quality class  390 I/min  Filter efficiency  99.9999 %  Max. condensate volume  225 ml  Corrosion resistance class (CRC)  2 · Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-81/82-1  Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Storage temperature  -10 °C 60 °C  Filter efficiency, fine particles  MPPS  0.1 µm  MPPS filter efficiency, oil aerosol  79 99.68 %  Residual oil content  0.01 mg/m³  Filter efficiency, oil aerosol  79 99  Mounting position  Vertical +/- 5°  Pheumatic connection 1  3/4 NPT  Pheumatic connection 2  3/4 NPT  Pheumatic connection 2  Air per Amaion and a per ISO 8573-1:2010 [6:4:4]  Mounting material  Die-cast aluminum  Min. standard provides  Mounting material  Die-cast aluminum  Mounting material  Material of bowl  Mrought aluminum alloy  Inspection window material   | Structural design                             | Fiber filter                                  |
| Operating pressure Operating pressure Operating medium Compressed air as per ISO 8573-1:2010 [6:4:4] Compressed air as per ISO 8573-1:2010 [6:4:4] Compressed air as per ISO 8573-1:2010 [6:4:4] Compressed air as per ISO 8573-1:2010 [3:4:2] Min. standard flow rate for air quality class 7800 I/min Min. standard flow rate for air quality class 390 I/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 Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Filter efficiency, fine particles 99.995 % MPPS 0.1 µm MPPS filter efficiency 99.968 % Residual oil content 0.01 mg/m³ Filter efficiency, oil aerosol 0.99 %  Mounting position Vertical +/- 5° Pneumatic connection 1 3/4 NPT Pneumatic connection 2 3/4 NPT Pneumatic connection 2 3/4 NPT Housing material Die-cast aluminum Covering material Die-cast aluminum Micropressed air filter material Material of bowl Inspection window material  | Grade of filtration                           | 0.01 μm                                       |
| Operating pressure Operating medium Compressed air as per ISO 8573-1:2010 [6:4:4] Air quality class at the output Compressed air as per ISO 8573-1:2010 [3:4:2] Max. standard flow rate for air quality class 7800 l/min Min. standard flow rate for air quality class 390 l/min Min. standard flow rate for air quality class 390 l/min Silter efficiency 99.9999 % Max. condensate volume 225 ml Corrosion resistance class (CRC) 2 - Moderate corrosion stress VDMA24364-B1/B2-L 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 0.1 µm MPPS filter efficiency 99.968 % Residual oil content 0.01 mg/m³ Filter efficiency, oil aerosol 99 % Optionally: Line installation With accessories  Mounting position Vertical +/- 5° Pneumatic connection 1 3/4 NPT Pneumatic connection 2 3/4 NPT Housing material Die-cast aluminum Covering material PA Compressed air filter material Borosilicate fiber Material of bowl Inspection window material PA  | Condensate drain                              | Manually rotating                             |
| Operating medium  Compressed air as per ISO 8573-1:2010 [6:4:4]  Air quality class at the output  Compressed air as per ISO 8573-1:2010 [3:4:2]  Max. standard flow rate for air quality class  7800 I/min  Min. standard flow rate for air quality class  390 I/min  Silter efficiency  99.9999 %  Max. condensate volume  225 ml  Corrosion resistance class (CRC)  2 · Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Storage temperature  -10 °C 60 °C  Filter efficiency, fine particles  MPPS  MPPS  MPPS  O.1 µm  MPPS filter efficiency  99.968 %  Residual oil content  0.01 mg/m³  Filter efficiency, oil aerosol  99 %  Type of mounting  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  Covering material  Borosilicate fiber  Material of bowl  Mrought aluminum alloy  Inspection window material  PA   | Symbol  | 00991519                                      |
| Air quality class at the output  Compressed air as per ISO 8573-1:2010 [3:4:2]  Max. standard flow rate for air quality class  7800 l/min  Min. standard flow rate for air quality class  390 l/min  Filter efficiency  99.9999 %  Max. condensate volume  225 ml  Corrosion resistance class (CRC)  2 - Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-81/82-L  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  0.1 µm  MPPS filter efficiency  99.968 %  Residual oil content  0.0.1 mg/m³  Filter efficiency, oil aerosol  99 %  Type of mounting  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  More desirable aluminum  Die-cast aluminum  More desirable  Mounting material  Borosilicate fiber  Material of bowl  Mrought aluminum alloy  Inspection window material  PA  | Operating pressure                            | 0 bar 20 bar                                  |
| Max. standard flow rate for air quality class  Min. standard flow rate for air quality class  390 l/min  400 °C  400 °C | Operating medium                              | Compressed air as per ISO 8573-1:2010 [6:4:4] |
| Min. standard flow rate for air quality class  390 l/min  99.9999 %  Max. condensate volume  225 ml  Corrosion resistance class (CRC)  2 · Moderate corrosion stress  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  10 °C 60 °C  Storage temperature  10 °C 60 °C  Filter efficiency, fine particles  MPPS  0.1 μm  MPPS filter efficiency  89.995 %  MPPS  0.1 μm  MPPS filter efficiency  99.968 %  Residual oil content  0.01 mg/m³  Filter efficiency, oil aerosol  799 %  Type of mounting  Wortical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  Covering material  Die-cast aluminum  Monterial of bowl  Mrought aluminum alloy  Inspection window material  Material of bowl  Mrought aluminum alloy  Inspection window material   | Air quality class at the output               | Compressed air as per ISO 8573-1:2010 [3:4:2] |
| Filter efficiency  99.999 %  Max. condensate volume  225 ml  Corrosion resistance class (CRC)  2 - Moderate corrosion stress  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Storage temperature  -10 °C 60 °C  Filter efficiency, fine particles  MPPS  0.1 µm  MPPS filter efficiency  99.998 %  Residual oil content  0.0.1 mg/m³  Filter efficiency, oil aerosol  799 %  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  Housing material  Covering material  Covering material  Die-cast aluminum  Morought aluminum alloy  Inspection window material  PA  | Max. standard flow rate for air quality class | 7800 l/min                                    |
| Max. condensate volume  Corrosion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Storage temperature  -10 °C 60 °C  Filter efficiency, fine particles  MPPS  0.1 μm  MPPS filter efficiency  Residual oil content  O.01 mg/m³  Filter efficiency, oil aerosol  70 °C 60 °C  99 99 %  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Covering material  Die-cast aluminum  Covering material  Die-cast aluminum  Covering material  Die-cast aluminum  Covering material  Die-cast aluminum  Mounting position  Wrought aluminum alloy  Inspection window material  PA  | Min. standard flow rate for air quality class | 390 l/min                                     |
| Corrosion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-B1/B2-L  Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Storage temperature  -10 °C 60 °C  Filter efficiency, fine particles  MPPS  0.1 μm  MPPS filter efficiency  99.968 %  Residual oil content  0.01 mg/m³  Filter efficiency, oil aerosol  70 °C 60 °C  99.968 %  Residual oil content  0.01 mg/m³  Filter efficiency, oil aerosol  70 ye for mounting  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pheumatic connection 1  3/4 NPT  Pheumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  Covering material  Die-cast aluminum  Covering material  PA  Compressed air filter material  Borosilicate fiber  Material of bowl  Inspection window material  PA  | Filter efficiency                             | 99.9999 %                                     |
| LABS (PWIS) conformity  VDMA24364-B1/B2-L  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  0.1 µm  MPPS filter efficiency  99.968 %  Residual oil content  0.01 mg/m³  Filter efficiency, oil aerosol  799 %  Type of mounting  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  Covering material  Die-cast aluminum  Covering material  Die-cast aluminum  Covering material  Die-cast aluminum  Mrought aluminum alloy  Inspection window material  PA   | Max. condensate volume                        | 225 ml  |
| Temperature of medium  -10 °C 60 °C  Ambient temperature  -10 °C 60 °C  Storage temperature  -10 °C 60 °C  Filter efficiency, fine particles  MPPS  0.1 µm  MPPS filter efficiency  Residual oil content  0.01 mg/m³  Filter efficiency, oil aerosol  Type of mounting  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  Covering material  Die-cast aluminum  Covering material  Die-cast aluminum  Covering material  Die-cast aluminum  Mountinum alloy  Mrought aluminum alloy  Inspection window material  PA  | Corrosion resistance class (CRC)              | 2 - Moderate corrosion stress                 |
| Ambient temperature -10 °C 60 °C Storage temperature -10 °C 60 °C Filter efficiency, fine particles 99.995 %  MPPS 0.1 µm  MPPS filter efficiency 99.968 % Residual oil content 0.01 mg/m³  Filter efficiency, oil aerosol 70 °C 60 °C  99.995 %  MPPS MPPS  0.1 µm  MPPS filter efficiency 99.968 %  Residual oil content 0.01 mg/m³  Filter efficiency, oil aerosol 799 %  Type of mounting Vertical +/- 5° Pheumatic connection 1 3/4 NPT Pheumatic connection 2 3/4 NPT Housing material Die-cast aluminum Covering material PA  Compressed air filter material Borosilicate fiber Material of bowl Mrought aluminum alloy Inspection window material PA  | LABS (PWIS) conformity                        | VDMA24364-B1/B2-L                             |
| Storage temperature -10 °C 60 °C  Filter efficiency, fine particles 99.995 %  MPPS 0.1 µm  MPPS filter efficiency 99.968 %  Residual oil content 0.01 mg/m³  Filter efficiency, oil aerosol 7ppe of mounting Optionally: Line installation With accessories  Mounting position Vertical +/- 5° Pneumatic connection 1 3/4 NPT Pneumatic connection 2 3/4 NPT Housing material Die-cast aluminum Covering material PA  Compressed air filter material Borosilicate fiber Material of bowl Inspection window material PA  | Temperature of medium                         | -10 °C 60 °C                                  |
| Filter efficiency, fine particles  MPPS  0.1 µm  MPPS filter efficiency  99.968 %  Residual oil content  0.01 mg/m³  Filter efficiency, oil aerosol  Type of mounting  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  Covering material  Covering material  Borosilicate fiber  Material of bowl  Mrought aluminum alloy  Inspection window material  PA  | Ambient temperature                           | -10 °C 60 °C                                  |
| MPPS Ilter efficiency 99.968 % Residual oil content 0.01 mg/m³ Filter efficiency, oil aerosol 99 % Type of mounting Optionally: Line installation With accessories  Mounting position Vertical +/- 5° Pneumatic connection 1 3/4 NPT Pneumatic connection 2 3/4 NPT Housing material Die-cast aluminum  Covering material Die-cast aluminum  Covering material Borosilicate fiber  Material of bowl Mrought aluminum alloy Inspection window material PA  | Storage temperature                           | -10 °C 60 °C                                  |
| MPPS filter efficiency Residual oil content  O.01 mg/m³  Filter efficiency, oil aerosol  799 %  Type of mounting  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  Covering material  PA  Compressed air filter material  Material of bowl  Inspection window material  PA  | Filter efficiency, fine particles             | 99.995 %                                      |
| Residual oil content  Filter efficiency, oil aerosol  7ye of mounting  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  Housing material  Die-cast aluminum  Covering material  Die-cast aluminum  Compressed air filter material  Material of bowl  Material of bowl  Inspection window material  PA   | MPPS  | 0.1 μm  |
| Filter efficiency, oil aerosol  Type of mounting  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  Covering material  PA  Compressed air filter material  Material of bowl  Inspection window material  PA  | MPPS filter efficiency                        | 99.968 %                                      |
| Type of mounting  Optionally: Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  Covering material  PA  Compressed air filter material  Borosilicate fiber  Material of bowl  Inspection window material  PA  | Residual oil content                          | 0.01 mg/m <sup>3</sup>                        |
| Line installation With accessories  Mounting position  Vertical +/- 5°  Pneumatic connection 1  3/4 NPT  Pneumatic connection 2  3/4 NPT  Housing material  Die-cast aluminum  Covering material  PA  Compressed air filter material  Borosilicate fiber  Material of bowl  Inspection window material  PA  | Filter efficiency, oil aerosol                | 99 %  |
| Pneumatic connection 1 3/4 NPT Pneumatic connection 2 3/4 NPT Housing material Die-cast aluminum Covering material PA Compressed air filter material Borosilicate fiber Material of bowl Wrought aluminum alloy Inspection window material PA   | Type of mounting                              | Line installation                             |
| Pneumatic connection 2 3/4 NPT  Housing material Die-cast aluminum  Covering material PA  Compressed air filter material Borosilicate fiber  Material of bowl Wrought aluminum alloy  Inspection window material PA   | Mounting position                             | Vertical +/- 5°                               |
| Housing material  Covering material  PA  Compressed air filter material  Borosilicate fiber  Material of bowl  Mrought aluminum alloy  PA  PA   | Pneumatic connection 1                        | 3/4 NPT                                       |
| Covering material PA Compressed air filter material Borosilicate fiber Material of bowl Wrought aluminum alloy Inspection window material PA  | Pneumatic connection 2                        | 3/4 NPT                                       |
| Compressed air filter material Borosilicate fiber  Material of bowl Wrought aluminum alloy Inspection window material PA  | Housing material                              | Die-cast aluminum                             |
| Material of bowl Wrought aluminum alloy Inspection window material PA   | Covering material                             | PA  |
| Inspection window material PA   | Compressed air filter material                | Borosilicate fiber                            |
|   | Material of bowl                              | Wrought aluminum alloy                        |
| Seals material NBR  | Inspection window material                    | PA  |
|   | Seals material                                | NBR   |

| Feature        | Value  |
|----------------|--------|
| Product weight | 2500 g |