

# Filter regulator

## LFR-N1/4-D-16-5M-O-MIDI-T18-EX4

Part number: 4772774

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value   |
|---|---|
| Size  | Midi  |
| Series  | D   |
| Actuator lock   | Rotary knob with detent   |
| Mounting position                                     | Vertical +/-5°  |
| Grade of filtration                                   | 5 µm  |
| Condensate drain                                      | Manually rotating   |
| Design  | Filter regulator without pressure gauge   |
| Max. condensate volume                                | 42 ml   |
| Bowl guard  | Integrated as metal bowl  |
| Symbol  | 00991586  |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | Prepared for G1/4   |
| Operating pressure                                    | 0.1 MPa ... 2 MPa   |
| Operating pressure                                    | 1 bar ... 20 bar  |
| Pressure regulation range                             | 0.5 bar ... 16 bar  |
| Max. pressure hysteresis                              | 0.02 MPa  |
| Max. pressure hysteresis                              | 2.9 psi   |
| Standard nominal flow rate (standardised to DIN 1343) | 1370 l/min  |
| CE mark (see declaration of conformity)               | To EU Explosion Protection Directive (ATEX)   |
| UKCA marking (see declaration of conformity)          | To UK EX instructions   |
| Explosion protection certification outside the EU     | EPL Db (GB)<br>EPL Gb (GB)  |
| Explosion protection                                  | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| ATEX category gas                                     | II 2G   |
| ATEX category dust                                    | II 2D   |
| Explosion ignition protection type for gas            | Ex h IIC T6 Gb X  |
| Explosion ignition protection type for dust           | Ex h IIIC T85°C Db X  |
| Explosion ambient temperature                         | -20°C ≤ Ta ≤ +80°C  |
| Operating medium                                      | Inert gas   |
| Note on operating and pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required)            |
| Corrosion resistance class CRC                        | 3 - high corrosion stress   |

| <b>Feature</b>               | <b>Value</b>   |
|------------------------------|--|
| LABS (PWIS) conformity       | VDMA24364 zone III                                       |
| Storage temperature          | -20 °C ... 80 °C   |
| Air purity class at output   | Compressed air to ISO 8573-1:2010 [6:8:4]<br>Inert gases |
| Media temperature            | -20 °C ... 80 °C   |
| Ambient temperature          | -20 °C ... 80 °C   |
| Product weight               | 1400 g   |
| Type of mounting             | With accessories   |
| Pneumatic connection, port 1 | 1/4 NPT  |
| Pneumatic connection, port 2 | 1/4 NPT  |
| Note on materials            | RoHS-compliant   |
| Material housing             | Die-cast zinc  |
| Material bowl                | Wrought aluminium alloy                                  |