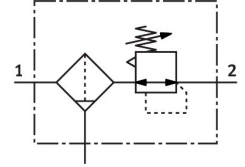


# Filter regulator

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

Part number: 477 2774

**FESTO**



## 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                                      | Manual, rotating                                                                                      |
| Design                                                | Filter regulator without pressure gauge                                                               |
| Max. condensate volume                                | 42 cm³                                                                                                |
| Bowl guard                                            | Integrated as metal bowl                                                                              |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | Prepared for G1/4                                                                                     |
| Operating pressure                                    | 0.1 MPa...2 MPa<br>1 bar...20 bar                                                                     |
| Pressure regulation range                             | 0.5 bar...16 bar                                                                                      |
| Max. pressure hysteresis                              | 0.02 MPa<br>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                                      | Compressed air to ISO 8573-1:2010 [-:9:-]<br>Inert gas                                                |

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| 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                                                                  |
| 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 gas                                     |
| Media temperature                  | -20 °C...80 °C                                                                             |
| Ambient temperature                | -20 °C...80 °C                                                                             |
| Product weight                     | 1400 g                                                                                     |
| Type of mounting                   | Either:<br>Inline installation<br>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                                                                    |