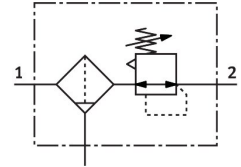


# Filter regulator PCR-44-G12-12-E-R1-M-T18

Part number: 8120904

FESTO



## Data sheet

| Feature                                           | Value                                                                                                            |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Size                                              | 44                                                                                                               |
| Series                                            | P                                                                                                                |
| Actuator lock                                     | Regulating screw with locknut                                                                                    |
| Mounting position                                 | Vertical $\pm 5^\circ$                                                                                           |
| Grade of filtration                               | 40 $\mu\text{m}$                                                                                                 |
| Condensate drain                                  | Manual, rotating                                                                                                 |
| Structural design                                 | Filter regulator without pressure gauge                                                                          |
| Conforms to standard                              | NACE MR0175/ISO 15156 (housing and bowl)                                                                         |
| Max. condensate volume                            | 12 $\text{cm}^3$                                                                                                 |
| Controller function                               | With primary pressure compensation<br>With secondary exhausting                                                  |
| Pressure gauge                                    | Set up for G1/4                                                                                                  |
| Operating pressure                                | 0.1 MPa...2 MPa<br>1 bar...20 bar                                                                                |
| Pressure regulation range                         | 0.5 bar...12 bar                                                                                                 |
| Max. pressure hysteresis                          | 0.2 bar                                                                                                          |
| Max. standard flow rate                           | 2500 l/min                                                                                                       |
| Normal nominal flow rate (normalized to DIN 1343) | 1750 l/min                                                                                                       |
| Explosion prevention and protection               | Observe the information on the certificate<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [:-4:-]<br>Inert gases                                                     |
| Information on operating and pilot media          | Operation with oil lubrication possible (required for further use)                                               |
| LABS (PWIS) conformity                            | VDMA24364 Zone III                                                                                               |
| Storage temperature                               | -20 $^\circ\text{C}$ ...80 $^\circ\text{C}$                                                                      |
| Air quality class at the output                   | Compressed air as per ISO 8573-1:2010 [7:4:4]                                                                    |
| Temperature of medium                             | -20 $^\circ\text{C}$ ...80 $^\circ\text{C}$                                                                      |
| Ambient temperature                               | -20 $^\circ\text{C}$ ...80 $^\circ\text{C}$                                                                      |
| Product weight                                    | 755 g                                                                                                            |
| Type of mounting                                  | Alternatively:<br>In-line installation                                                                           |

| Feature                        | Value                      |
|--------------------------------|----------------------------|
|                                | With mounting kit          |
| Pressure gauge connection      | G1/4                       |
| Pneumatic connection 1         | G1/2                       |
| Pneumatic connection 2         | G1/2                       |
| Drain screw material           | high-alloy stainless steel |
| Drain screw material number    | 1.4404/316L                |
| Material of filter support     | POM                        |
| Note on materials              | RoHS compliant             |
| Material of mounting bracket   | high-alloy stainless steel |
| Seals material                 | CR<br>NBR                  |
| Material of spring             | high-alloy stainless steel |
| Compressed air filter material | Protective grounding       |
| Housing material               | Cast stainless steel       |
| Material number of housing     | 1.4409/CF3M(316L)          |
| Material of adjusting screw    | high-alloy stainless steel |
| Material of bowl               | Cast stainless steel       |
| Bowl material number           | 1.4409/CF3M (316L)         |