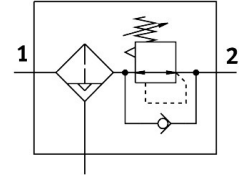


# Filter regulator PCRP-44-N14-12-E-R1-VC-T31

Part number: 8195719

**FESTO**



## Data sheet

| Feature                                  | Value  |
|--|--|
| Size                                     | 44   |
| Series                                   | P  |
| Actuator lock                            | Adjusting screw with lock  |
| Mounting position                        | Vertical +/- 5°  |
| Grade of filtration                      | 40 µm  |
| Condensate drain                         | Fully automatic  |
| Structural design                        | Filter regulator with pressure gauge   |
| Conforms to standard                     | NACE MR0175/ISO 15156 (housing and bowl)   |
| Max. condensate volume                   | 12 ml  |
| Controller function                      | With primary pressure compensation<br>With secondary exhausting  |
| Pressure gauge                           | G1/4 prepared  |
| Operating pressure                       | 0.2 MPa...1.2 MPa<br>2 bar...12 bar  |
| Pressure regulation range                | 0.5 bar...12 bar   |
| Max. pressure hysteresis                 | 0.02 MPa<br>0.2 bar<br>2.9 psi   |
| Max. standard flow rate                  | 2500 l/min   |
| Standard nominal flow rate               | 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 gas   |
| Information on operating and pilot media | Operation with oil lubrication possible  |
| LABS (PWIS) conformity                   | VDMA24364 zone III   |
| Storage temperature                      | -10 °C...60 °C   |
| Air quality class at the output          | Compressed air as per ISO 8573-1:2010 [7:4:4]  |
| Temperature of medium                    | 0 °C...60 °C   |
| Ambient temperature                      | 0 °C...60 °C   |
| Product weight                           | 810 g  |

| Feature                        | Value                      |
|--------------------------------|----------------------------|
| Type of mounting               | Line installation          |
| Pressure gauge connection      | G1/4                       |
| Pneumatic connection 1         | 1/4 NPT                    |
| Pneumatic connection 2         | 1/4 NPT                    |
| Pneumatic connection 3         | 1/8 NPT                    |
| Material of filter support     | POM                        |
| Note on materials              | RoHS-compliant             |
| Material of mounting bracket   | High-alloy stainless steel |
| Seals material                 | NBR                        |
| Material of spring             | High-alloy stainless steel |
| Compressed air filter material | PE                         |
| Housing material               | Cast stainless steel       |
| Material number of housing     | 1.4409/CF3M(316L)          |
| Material of adjusting screw    | High-alloy stainless steel |
| Material of bowl               | High-alloy stainless steel |
| Bowl material number           | 1.4409/CF3M (316L)         |