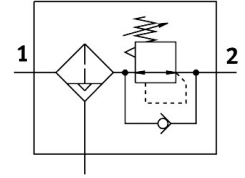


# Filter regulator PCRP-44-N12-12-E-R1-VC-T31

Part number: 8195721

**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                                                                                                       |
| 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 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                                    | 890 g                                                                                                            |

| Feature                        | Value                      |
|--------------------------------|----------------------------|
| Type of mounting               | Line installation          |
| Pressure gauge connection      | G1/4                       |
| Pneumatic connection 1         | 1/2 NPT                    |
| Pneumatic connection 2         | 1/2 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)         |