

Filter regulator PCRP-44-N12-12-E-R1-M-T18

Part number: 8120900

FESTO



 [General operating condition](#)

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 | Manually rotating |
| Design | Filter regulator without pressure gauge |
| Conforms to standard | NACE MR0175/ISO 15156 (housing and bowl) |
| Max. condensate volume | 12 ml |
| Controller function | Via primary pressure compensation With secondary venting |
| 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 ... 12 bar |
| Max. pressure hysteresis | 0.2 bar |
| Max. standard flow rate | 2500 l/min |
| Standard nominal flow rate (standardised to DIN 1343) | 1750 l/min |
| Explosion protection | The information in the certificate must be observed! Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) |
| Operating medium | Inert gas |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Storage temperature | -20 °C ... 80 °C |
| Air purity class at output | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Media temperature | -20 °C ... 80 °C |
| Ambient temperature | -20 °C ... 80 °C |
| Product weight | 755 g |
| Type of mounting | Via mounting kit |
| Pressure gauge connection | G1/4 |
| Pneumatic connection, port 1 | 1/2 NPT |

| Feature | Value |
|--------------------------------|----------------------------|
| Pneumatic connection, port 2 | 1/2 NPT |
| Material of drain screw | High-alloy stainless steel |
| Material number of drain screw | 1.4404/316L |
| Material filter carrier | POM |
| Note on materials | RoHS-compliant |
| Material mounting bracket | High-alloy stainless steel |
| Material seals | CR NBR |
| Material spring | High-alloy stainless steel |
| Material filter | PE |
| Material housing | Stainless steel casting |
| Material number housing | 1.4409/CF3M(316L) |
| Material adjusting screw | High-alloy stainless steel |
| Material bowl | Stainless steel casting |
| Material number of bowl | 1.4409/CF3M (316L) |