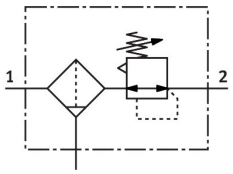
# Filter regulator
# PCRP-44-N12-12-E-R1-M-T18

Part number: 8120900






## Data sheet

| Feature | Value |
|---|---|
| Size | 44 |
| Series | P |
| Actuator lock | Regulating screw with locknut |
| Mounting position | Vertical ±5° |
| Grade of filtration | 40 µm |
| 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 cm³ |
| 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 °C...80 °C |
| Air quality class at the output | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Temperature of medium | -20 °C...80 °C |
| Ambient temperature | -20 °C...80 °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 | 1/2 NPT |
| Pneumatic connection 2 | 1/2 NPT |
| 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) |