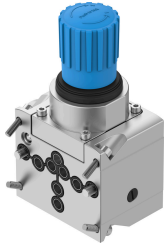


Filter regulator PCRI-100-F90-12-C-T3

Part number: 8141656

FESTO



Data sheet

| Feature | Value |
|---|---|
| Actuator lock | Rotary knob with detent |
| Mounting position | optional |
| Grade of filtration | 5 µm |
| Condensate drain | None |
| Design | Sub-base valve Directly actuated diaphragm regulator |
| Controller function | Output pressure constant Via primary pressure compensation With secondary venting |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | Prepared for G1/4 |
| Operating pressure | 0.1 MPa...0.9 MPa 1 bar...9 bar |
| Pressure regulation range | 0.5 bar...8 bar |
| Max. pressure hysteresis | 0.025 MPa 0.25 bar 3.625 psi |
| Standard nominal flow rate | 1400 l/min |
| Explosion protection | Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) |
| Operating medium | Compressed air to ISO 8573-1:2010 [-:7:-] Inert gases |
| Note on operating and pilot medium | Lubricated operation not possible |
| Corrosion resistance class CRC | 3 - high corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Air purity class at output | Compressed air to ISO 8573-1:2010 [6:7:-] Inert gases |
| Media temperature | -40 °C...80 °C |
| Ambient temperature | -40 °C...80 °C |
| Product weight | 1950 g |
| Pneumatic connection | Sub-base design, airing |
| Note on materials | RoHS-compliant |
| Material cover | Smooth-anodised wrought aluminium alloy (20 µm) |

| Feature | Value |
|----------------------|---|
| Material seals | EPDM NBR |
| Material rotary knob | POM |
| Material spring | Spring steel |
| Material filter | PE |
| Material housing | Smooth-anodised wrought aluminium alloy (20 µm) |
| Material screws | High-alloy stainless steel |