

# Compressed air filter regulator PCRP-44-N12-12-E-R1-M-T19

Part number: 8120897

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  |
| Structural design                        | Filter regulator without pressure gauge  |
| Conforms to standard                     | NACE MR0175/ISO 15156 (housing and bowl)   |
| Max. condensate volume                   | 13 ml  |
| Controller function                      | With primary pressure compensation<br>With secondary exhausting  |
| Symbol                                   | 00991586   |
| Pressure gauge                           | G1/4 prepared  |
| 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                  | 2020 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 (required for further use)   |
| LABS (PWIS) conformity                   | VDMA24364 zone III   |
| Storage temperature                      | -60 °C ... 80 °C   |
| Air quality class at the output          | Compressed air as per ISO 8573-1:2010 [7:4:4]  |
| Temperature of medium                    | -60 °C ... 80 °C   |
| Ambient temperature                      | -60 °C ... 80 °C   |
| Product weight                           | 805 g  |
| Type of mounting                         | Optionally:<br>Line installation<br>With mounting kit  |
| Pressure gauge connection                | G1/4   |

| <b>Feature</b>                        | <b>Value</b>               |
|---------------------------------------|----------------------------|
| 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            | Cast stainless steel       |
| Filter support material number        | 1.4409/CF3M(316L)          |
| Note on materials                     | RoHS-compliant             |
| Material of mounting bracket          | High-alloy stainless steel |
| Seals material                        | CR<br>NBR<br>VMQ           |
| Material of spring                    | High-alloy stainless steel |
| Compressed air filter material        | High-alloy stainless steel |
| Compressed air filter material number | 1.4404/316L                |
| 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)         |