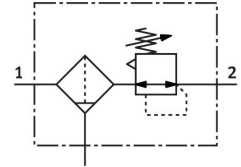


# Filter regulator PCRP-44-G14-12-E-R1-M-T18

Part number: 8120906

**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<br>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!<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [-:4:-]<br>Inert gases                                                                   |
| 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                                        | 670 g                                                                                                                      |
| Type of mounting                                      | In-line installation<br>Via mounting kit<br>Either:                                                                        |

| Feature                        | Value                      |
|--------------------------------|----------------------------|
| Pressure gauge connection      | G1/4                       |
| Pneumatic connection, port 1   | G1/4                       |
| Pneumatic connection, port 2   | G1/4                       |
| 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<br>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)         |