

Stainless steel filter regulator PCRP

FESTO



For harsh environments

Highlights

- Complete stainless steel design
- Flow rate up to 4,115 l/min
- Extremely wide temperature range from -60 to +80 °C
- UV-resistant
- Reliable manual drain
- Suitable for potentially explosive areas

In corrosive atmospheres or extreme temperatures from -60 °C to +80 °C, the extremely robust filter regulator PCRP performs well, offering high flow rates and reliable pressure control. The housing and interior are entirely made of premium stainless steel to ensure high corrosion resistance. The PCRP series is available in sizes ¼" and ½" with G or NPT threads.

Extremely robust for extreme conditions

The stainless steel 316L housing meets all material requirements to NACE MR0175. This guarantees a high level of corrosion resistance even in hydrogen sulphide environments, such as in the petrochemical sector. Thanks to UV resistance and a temperature range of -60 to +80 °C, the filter regulator can easily survive outdoor use in any climate.

Reliably powerful

The filter regulator has impressively stable pressure control characteristics with constant and high flow rates of up to 4,115 l/min. The patented seal technology protects against back flow and ensures reliable exhausting – no special components needed!

Explosion protection included

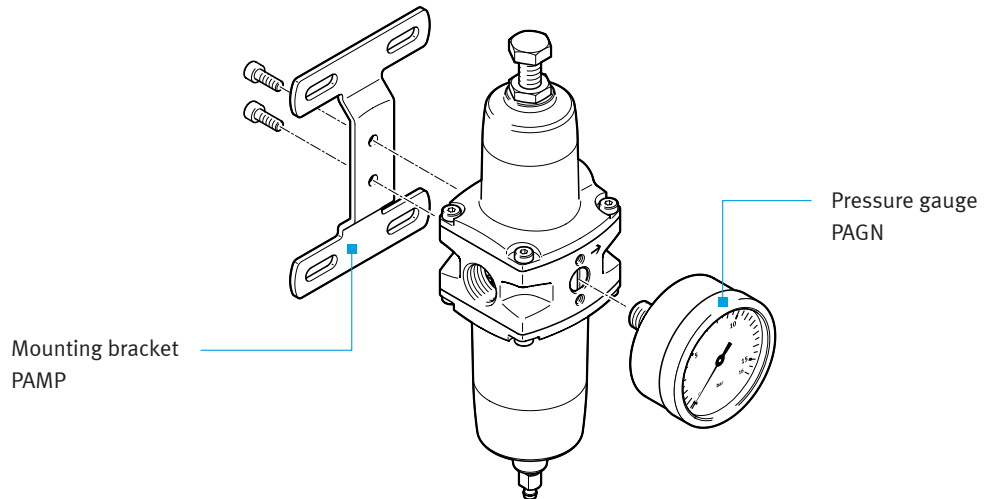
The series PCRP is suitable for use in potentially explosive atmospheres, zones 1, 2, 21 and 22.

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Easy to mount

Mounting the filter regulator PCRP is extremely easy; just fix it onto the mounting bracket using two screws. Then there is just the pressure gauge that needs to be mounted.

Mounting components and accessories



Technical data

| Characteristics | Values |
|---------------------------------|--|
| Pneumatic connection | 1/4" and 1/2" in G and NPT |
| Flow rate [l/min] | Up to 4,115 |
| Operating medium | Compressed air to ISO 8573-1:2010 [6:4:4] (grade of filtration 5 µm) Compressed air to ISO 8573-1:2010 [7:4:4] (grade of filtration 40 µm) Inert gas |
| Operating pressure [bar] | 1 ... 20 |
| Pressure regulation range [bar] | 0.5 ... 7 0.5 ... 12 |
| Ambient temperature [°C] | -60 ... +80 |
| Grade of filtration [µ] | 5 and 40 |
| Condensate drain | Manual rotary |
| Material | Stainless steel 316L |
| Conformity | NACE MR0175 |