

MPG 12 FI-CV

Filter-non-return valve combination



- ♦ Medium : inert gases / rare gases / O₂ / CO₂ / air, other media on request
- ♦ Suitable for high-pressure oxygen service
- ♦ Conformity : ATEX

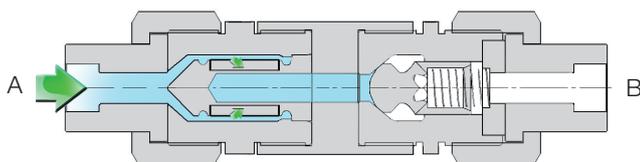
The valve MPG 12 FI-CV is a filter-non-return valve combination and therefore the nonplus ultra for all types of gas filling systems. It combines the advantages of a non-return valve and a filter in a compact design. The rugged design of the MPG 12 FI-CV ensures a special resistance against high pressure strokes.

Technical data

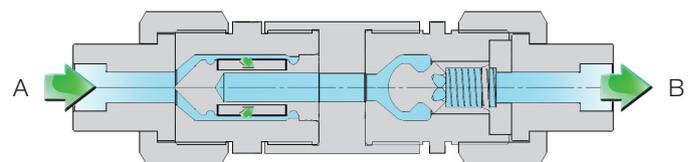
| | |
|-------------------------------|--|
| ♦ Pressure range | PN 420 |
| ♦ Standard connections | G 1/2, NPT 1/2, SW 1/2", SW 3/4" |
| ♦ Nominal diameter | DN 12 |
| ♦ Media temperature | from -40 °C to +80 °C |
| ♦ Ambient temperature | from -40 °C to +60 °C |
| ♦ Leak rate | 10 ⁻⁶ mbar l/s |
| ♦ Flow direction | A → B |
| ♦ Options of filter cartridge | 15 µm 63 µm (standard) |
| ♦ Kv-value | 3,7 m ³ /h 4,0 m ³ /h |
| ♦ Weight | 11 kg (including connection adapter) |

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Function



♦ Closed



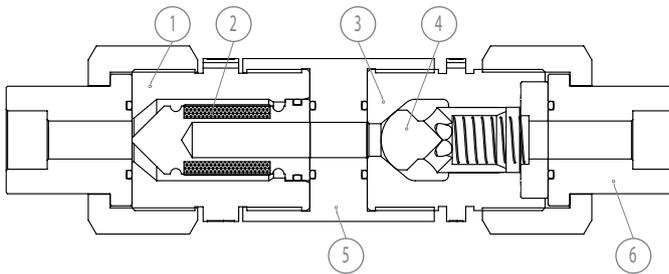
♦ Open

 Medium : gas  Flow direction

Options with this filter-non-return valve combination

- ◆ Connections
SW 1/2", SW 3/4", SW 16mm, SW 20mm, G 1/2, NPT 1/2
- ◆ Connection material
Stainless steel, Monel, Brass
- ◆ Filter
Nickel 15µm, Nickel 63µm (standard), Monel 63µm, Monel 100µm, other filter sizes on request
- ◆ Further connections on request

Material specification, Spare parts



| Position | Description | Material |
|----------|------------------|------------------------|
| 1 | Filter housing | Brass |
| 2 | Filter cartridge | Nickel, Monel |
| 3 | Valve body | Brass |
| 4 | Valve spindle | Stainless steel, Monel |
| 5 | Double adapter | Brass |
| 6 | Connection piece | Stainless steel, Monel |

| Spare parts | | Article number |
|---------------------------------------|--------|----------------|
| Filter cartridge: | | |
| Nickel | 15 µm | 09929 |
| | 63 µm | 09955 |
| Monel | 63 µm | 12541 |
| | 100 µm | 12542 |
| Non-return valve without connections: | | 09972 |

Dimensions

