

## MPG 12 FI-CV

## Filter-non-return valve combination



- ♦ Medium : inert gases / rare gases / O<sub>2</sub> / CO<sub>2</sub> / air, other media on request
- ♦ Suitable for high-pressure oxygen service
- ♦ Conformity : ATEX

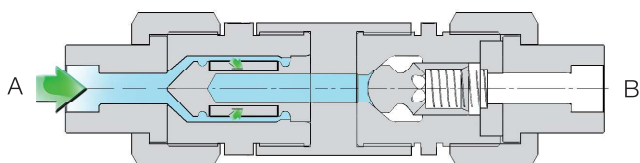
The valve MPG 12 FI-CV is a filter-non-return valve combination and therefore the nonplus ultra for all types of gas filling systems. It combines the advantages of a non-return valve and a filter in a compact design. The rugged design of the MPG 12 FI-CV ensures a special resistance against high pressure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

## Technical data

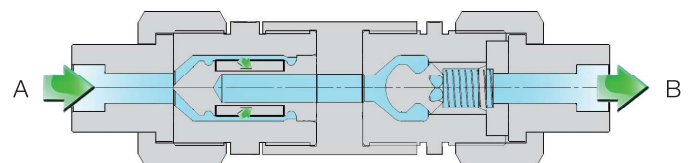
♦ Pressure range	PN 420
♦ Standard connections	G 1/2, NPT 1/2, SW 1/2", SW 3/4"
♦ Nominal diameter	DN 12
♦ Media temperature	from -40 °C to +80 °C
♦ Ambient temperature	from -40 °C to +60 °C
♦ Leak rate	10 <sup>-6</sup> mbar l/s
♦ Flow direction	A → B
♦ Options of filter cartridge	15 µm             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

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## Function



- ♦ Closed



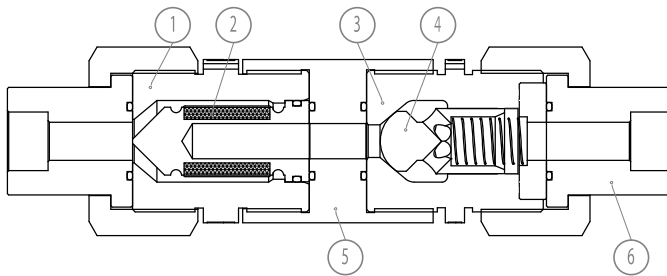
- ♦ Open

 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

