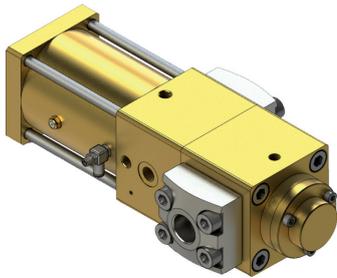


MPG 12 NC / NO

2/2 way valve (pneumatically operated)



- ♦ Medium : inert gases / rare gases / O₂ / CO₂ / air, other media on request
- ♦ Function NC (normally closed) or NO (normally open)
- ♦ This valve is pressure-balanced and suitable for high-pressure oxygen service
- ♦ Approval : BAM / CTE
- ♦ Connections for pressure indicator available on request
- ♦ Conformity : ATEX

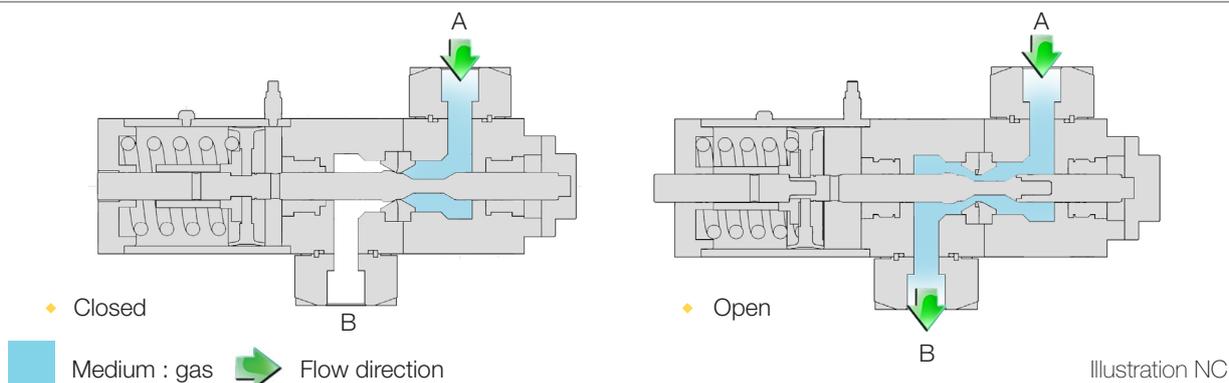
The valves type MPG 12 NC (normally closed) and MPG 12 NO (normally open) are 2/2 way valves, which are pneumatically operated. By the use of pilot media, the valves open and close against the spring load (depending on the type of valve).

Technical data

♦ Pressure range	PN 420
♦ Standard connections	SW 1/2", BW 1/2", BW 3/4"
♦ Nominal diameter	DN 12
♦ Actuation	3/2 way pilot valve
♦ Pilot pressure	7 bar
♦ Pilot connections	4 mm
♦ Media temperature	from -40 °C to +80 °C
♦ Ambient temperature	from -40 °C to +60 °C
♦ Leak rate	10 ⁻⁶ mbar l/s
♦ Actuation time / opening	Type NC 620 - 24000 ms (adjustable with nozzle) / type NO 550 ms
♦ Actuation time / closing	Type NC 550 ms / type NO 620 - 24000 ms (adjustable with nozzle)
♦ Flow direction	A → B B → A
♦ Kv-value	5,0 m ³ /h 4,8 m ³ /h
♦ Weight	11 kg (including connection adapter)

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Function



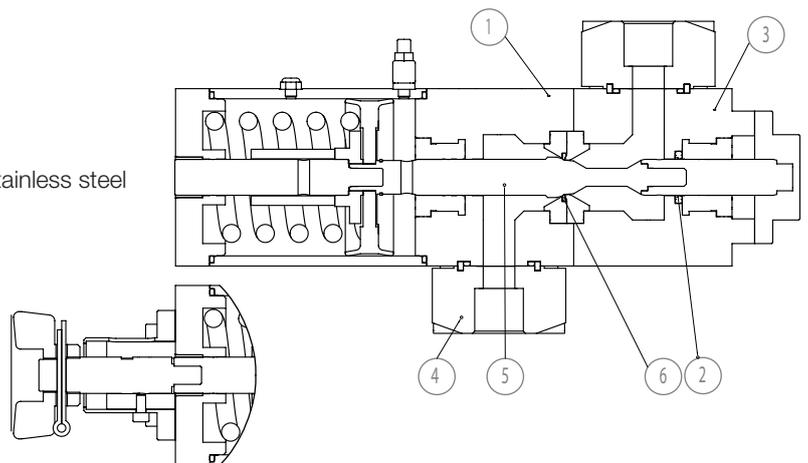
Options with this valve type

- ◆ Connections
 - Threaded female socket (brass) : G 1/4, G 1/2, NPT 1/4, NPT 1/2
 - Weld-on end (stainless steel, Monel) : socket welding SW 1/2", butt welding BW 1/2", BW 3/4"
- ◆ Different types of limit switches available
- ◆ Pneumatic version with manual override available (type MPG 12 NC-HD)
- ◆ Assembly in compact manifolds (possibility to join up to 9 valves on 1 module)
- ◆ Sensor ports for pressure registration / measuring
- ◆ Other options on request

Material specification, Spare parts, Accessories

Position	Description	Material
1	Upper valve body	Brass
2	Spindle seal	Turcon®
3	Lower valve body	Brass
4	Connection piece	Monel, brass, stainless steel
5	Valve spindle	Monel
6	Valve seat	Peek

Detailed illustration of pneumatic version with manual override (type MPG 12 NC-HD)

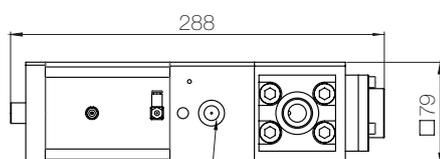


Spare parts	Article number	
Seal kit for Standard valves:	20141	
◆ Pilot valve 3/2-way, 24V DC:	10311	
Assembly with 5 m cable:	10312	
Assembly with 10 m cable:	10313	
◆ Limit switch (NC or NO)	2-wire	3-wire
Assembly without cable:	10300	10303
Assembly with 5 m cable:	10298	10301
Assembly with 10 m cable:	10299	10302

Dimensions

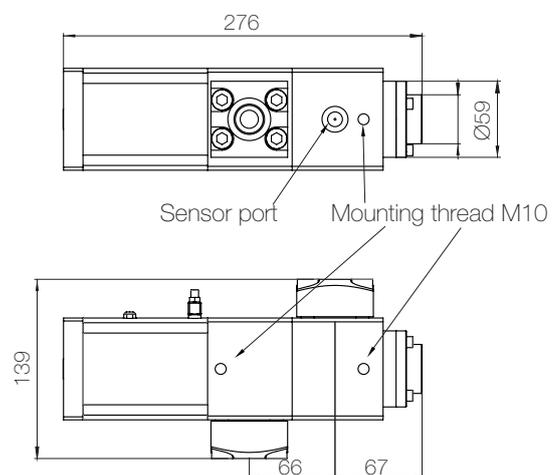


Illustration NC



Valve open

Mounting thread



Sensor port

Mounting thread M10