

MPG 03 PR

Proportional valve

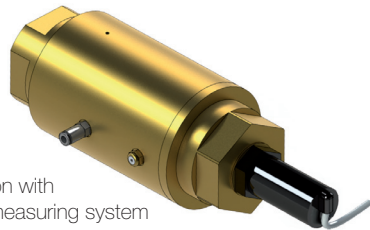


Illustration with
stroke measuring system

- ♦ Medium : inert gases / rare gases / O₂ / CO₂ / air, other media on request
- ♦ Suitable for high-pressure oxygen service
- ♦ Sealing tightly
- ♦ Approval : BAM. Adiabatic compression test has been performed with version DN03
- ♦ Conformity : ATEX

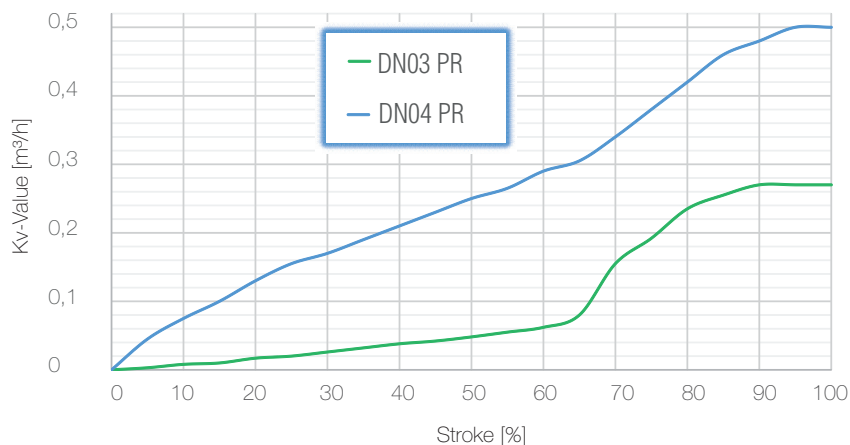
The valve type MPG 03 PR is a proportional valve with 3 mm or 4 mm seat. The position of the valve can be controlled by a standard signal, by an electro-pneumatic positioner and a stroke measuring system which detects the position of the valve.

Technical data

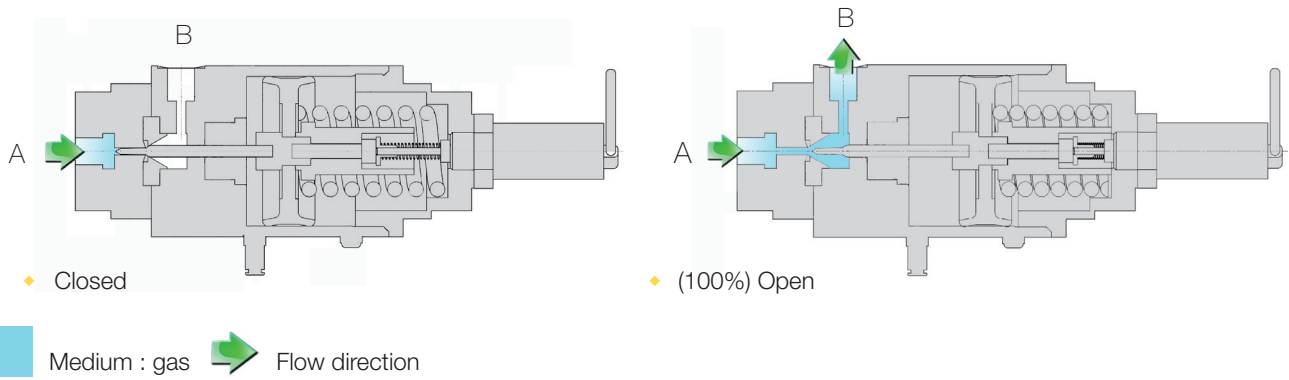
♦ Pressure range	PN 420 (close tight A → B (DN 03) : 420 bar ; (DN 04) : 280 bar)
♦ Standard connections	G 1/4
♦ Nominal diameter	DN 03, DN 04
♦ Actuation	with an external positioner
♦ Pilot pressure	7 bar
♦ Pilot connections	4 mm
♦ Media temperature	from -40 °C to +80 °C
♦ Ambient temperature	from -40 °C to +60 °C
♦ Leak rate	10 ⁻⁶ mbar l/s
♦ Actuation time (opening / closing)	depending on set point
♦ Flow direction	A → B
♦ Kvs-value	(DN 03) : 0,27 m ³ /h ; (DN 04) : 0,50 m ³ /h
♦ Weight	3,2 kg

Version August 2018

Flow coefficient (Kv) in relation to valve opening - diagram



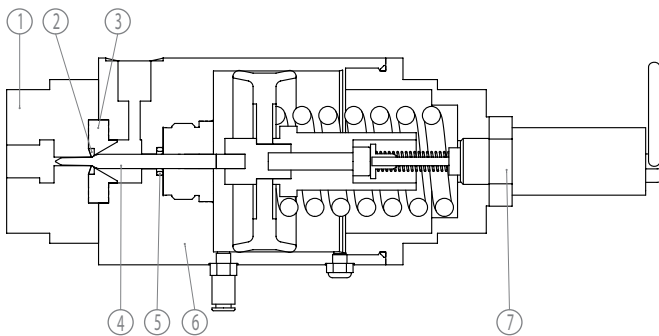
Function



Options with this valve type

- ◆ Connections
 - Threaded female socket (brass) G 1/4
 - Further connections available, wide range of adapters on stock
- ◆ Assembly in compact manifolds (possibility to join up to 5 valves on 1 module)
- ◆ Other options on request

Material specification, Spare parts



Position	Description	Material
1	Lower valve body	Brass
2	Valve seat	PEEK
3	Valve seat holder	Brass
4	Valve spindle	Monel
5	Spindle seal	Stainless steel
6	Valve body	Turcon®
7	Stroke measuring system	Brass
		Aluminium

- ◆ Spare parts
 - Seal kit for standard valves: Article number 20182

Dimensions

