

## MPG 03 PR

## Proportional valve

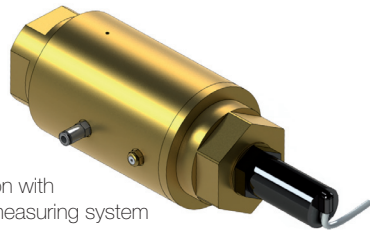


Illustration with  
stroke measuring system

- ♦ Medium : inert gases / rare gases / O<sub>2</sub> / CO<sub>2</sub> / 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

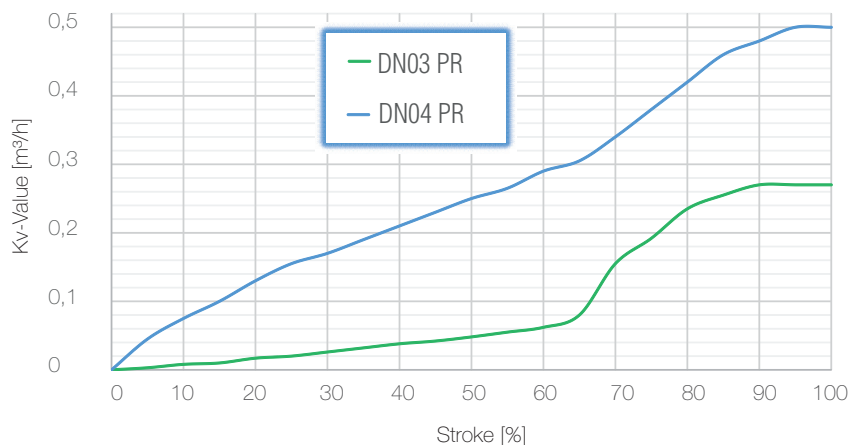
The valve type MPG 03 PR is a proportional valve with 3 mm or 4 mm seat. The position of the valve can be controlled by a standard signal, by an electro-pneumatic positioner and a stroke measuring system which detects the position of the valve.

## Technical data

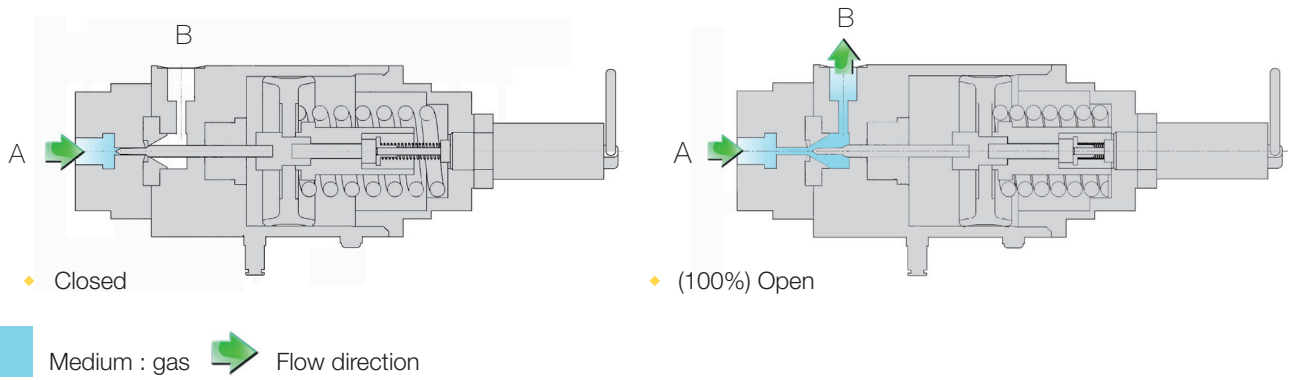
♦ Pressure range	PN 420
♦ Standard connections	G 1/4
♦ Nominal diameter	DN 03, DN 04
♦ Actuation	with an external positioner
♦ Pilot pressure	7 bar
♦ Pilot connections	4 mm
♦ Media temperature	from -40 °C to +80 °C
♦ Ambient temperature	from -40 °C to +60 °C
♦ Leak rate	10 <sup>-6</sup> mbar l/s
♦ Actuation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

Version February 2016

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



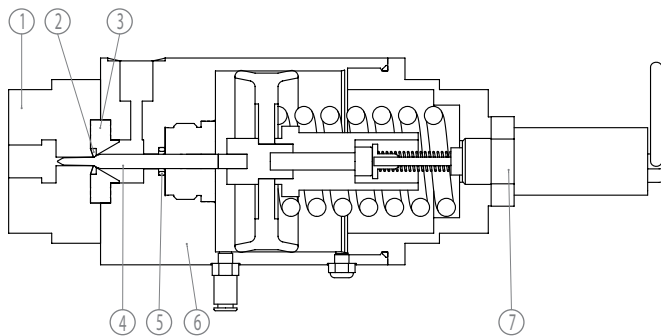
# Function



# 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

