

# HPG 12 PR



## Proportional valve

- Medium : inert gases / rare gases / O2 / CO2 / air, other media on request
- Suitable for high-pressure oxygen service
- Pressure sensor connectors available as an option
- Approval : CTE 600 bar test

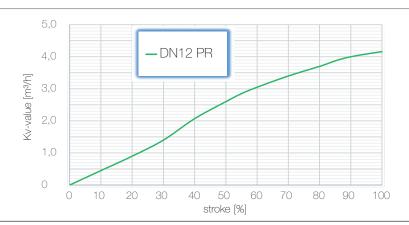
As market leader for high-pressure valves and systems for the gas filling industry we developed the new valve series HPG for 450 bar filling technology. These valves are designed for a service pressure of 600 bar. The valve type HPG 12 PR is a pressure balanced proportional valve with 12 mm seat. The 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

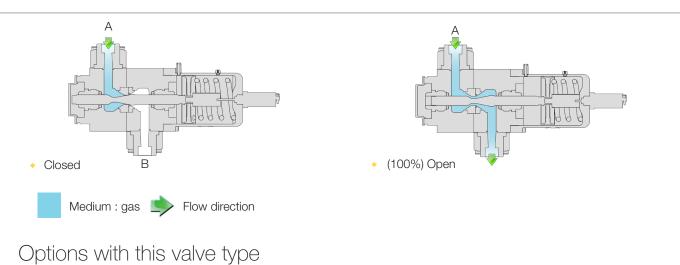
- Pressure range
- Standard Connections
- Nominal diameter
- Actuation
- Pilot pressure
- Pilot connections
- Media temperature
- Ambient temperature
- Leak rate
- Actuation time (opening / closing)
- Flow direction
- Kvs-value
- Weight

PN 600 SW 1/2" DN 12 with an external positioner 7 bar 4 mm from - 20 °C to + 65 °C from - 20 °C to + 60 °C 10<sup>-6</sup> mbar I/s depending on set point A  $\rightarrow$  B 4,2 m<sup>3</sup>/h 15,7 kg (including connection adapter)

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



# Function

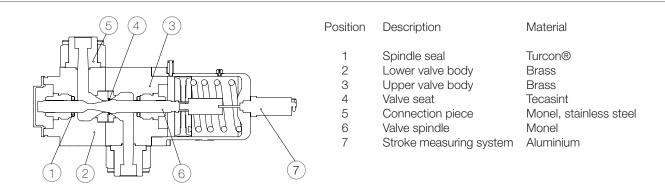


Connections

Threaded female socket (stainless steel) : G 3/8 Weld-on end (stainless steel, Monel) : socket welding SW 1/2", 14mm

- Sensor ports for pressure registration / measuring NPT 1/4
- Assembly in compact manifolds (possibility to join up to 7 valves on 1 module)
- Other options on request

## Material specification



## Dimensions

