

**Design**

The proportional valve is mounted on an angle bracket and can be attached to an MPS profile plate using a screw and T-head nut.

**Function**

The proportional valve facilitates flow control of neutral gases and fluids. It can be used as a remote controllable final control element or in closed control loops.

The proportional valve is a directly actuated 2/2-way valve. The valve piston is lifted of its seat as a function of the solenoid coil current and releases the flow from connection 1 to connection 2. Once the valve is de-energised, it is closed via a reset spring.

Permissible operating voltage (to be connected to control electronics)	24 V DC
Power consumption (solenoid)	8 W
Rated duty	Continuous operation
Degree of protection	IP 65
Nominal size	6 mm
Operating pressure	0 to 0.5 bar
Ambient operating temperature	max. +55 °C
Hysteresis	≤ 5 % of final value
Response sensitivity	≤ 0.5 % of final value
Repetition accuracy	≤ 0.5 % of final value
Flow media	Neutral media, e.g. water, compressed air
Temperature of medium	0 °C to +65 °C

*Technical data  
Proportional valve*

Technical data  
Proportional valve  
(continuation)

Materials Housing Internal valve parts Seal	Brass Stainless steel FPM
Dimensions Height with plugged in control electronics Length	108 mm 46 mm
Weight	0.40 kg
Pipe connection	G 1/4 "
Subject to change	

Technical data  
Control electronics

Permissible operating voltage	24 V DC
Residual ripple	max. 10 %
Input signal	0 ... 10 V
Input resistance	16.8 kΩ
Power consumption	0.5 W
Ambient operating temperature	max. +55 °C
Weight	0.40 kg
Material (housing)	plastic
Electrical connection	screwed cable connector 7mm screw terminals in housing
Subject to change	