Product Information

2/2-way lever valve NO
DN 2

A. u. K. Müller

Solenoid valves
Control valves
Special valves and systems

A.u.K. Müller GmbH & Co. KG
Dresdener Str. 162
D-40595 Düsseldorf/Germany

Tel.: +49(0)211-7391-0
Fax: +49(0)211-7391-281

e-mail: info@akmueller.de
Internet: www.akmueller.de

Series 47.002.182



Characteristics

- direct acting
- medium separated
- long term performance capability
- works from zero pressure
- easy to assemble and service
- low power consumption
- any fitting position
- minimised dead areas
- high operating safety through the use of high quality and 100% final testing of the products

Description

Direct acting 2/2 way solenoid valve, DN 2 for control of neutral gases and liquids. The plunger of the magnetic system is protected by spatial separation from the medium.

Valves of this design are single chamber valves with John Guest® push-fit connections. The coil system can be customised for common voltage and frequency ranges on request.

Electrical operating safety is achieved by insulation class F and can be supported by an integrated protective circuit.

Due to the use of high quality materials, the valve is applicable for high ambient and medium temperatures.

Ideally suited for dosing applications. The good thermal separation between the fluid path and solenoid also allows the use of temperature sensitive media, such as in the medical technology or analytics.

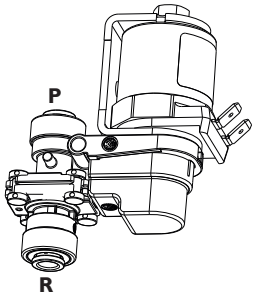
Applications

- hot / cold drink dispensers
- tank or boiler draining
- medical engineering
- industrial appliances
- laboratory / analysis equipment

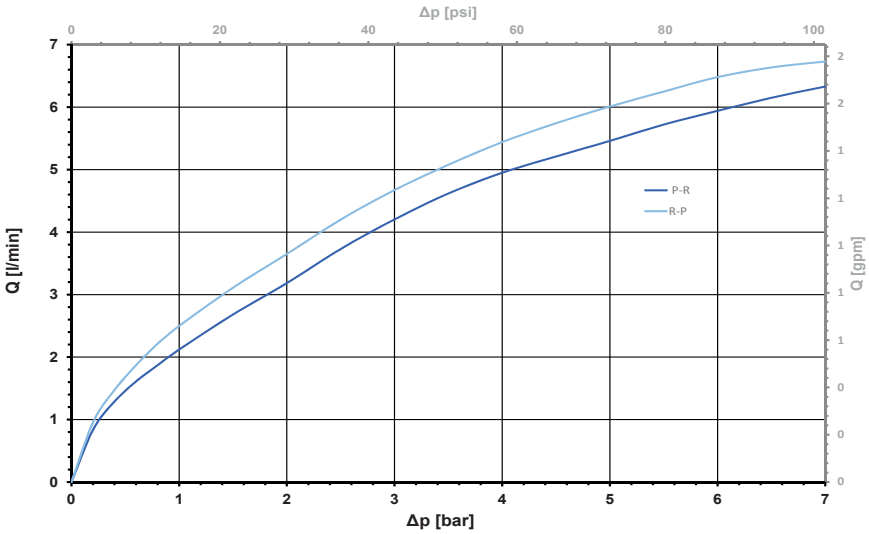
Possible approvals

Approved versions available on request:

- WRAS
- Others on request



typical performance curve

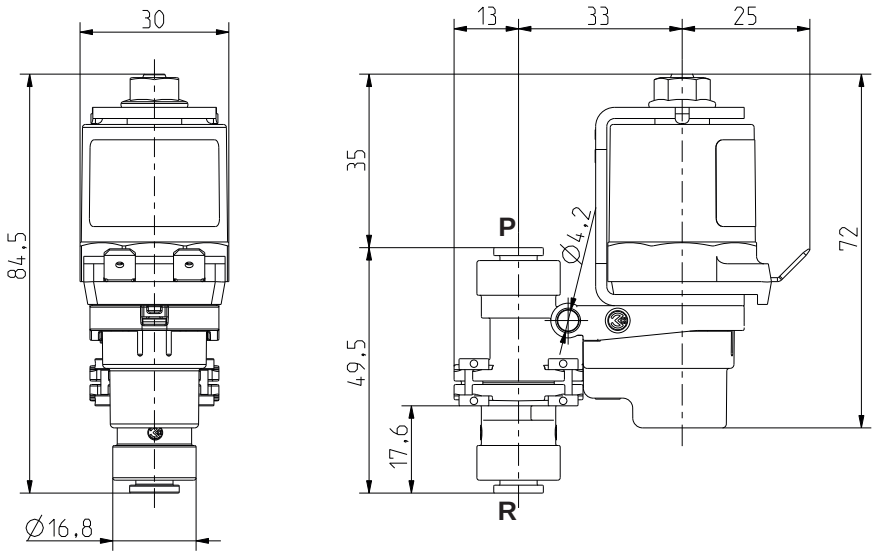


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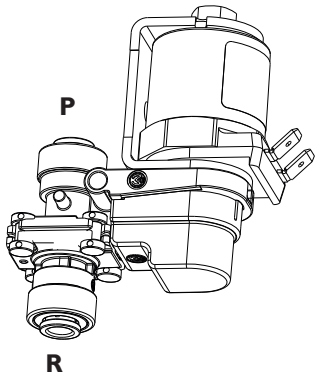


Technical Data

Type	lever solenoid valve	
Construction	2/2-way valve, direct acting	
Function	NC (normally open)	
Fitting position	any	
Media	cold and heated potable water and physically and chemically similar media	
T-Medium	65	°C max.
T-Ambient	65	°C max.
DN	2	mm
p-Operating	0 - 7	bar
Coil type	MS.006, MS.024, MS.025	
Nominal voltages	24	V DC
	other voltages on request	
Voltage tolerance	+10% -15%	
Duty cycle	100 %	
Nominal power	8,5	W
Protection type	IP 00 up to IP 68	
Coil connections	flat tabs 6,3 x 0,8 mm plug socket, according to EN 175301-803 (IP65), several cable connections (IP67, IP68)	
Insulation class	F	according to EN 60730
Protection class	I	according to EN 60730 (for incorporation in class I)

Materials

Valve body	PEI other materials on request
Plunger guide	stainless steel
Plunger	stainless steel
Membrane	EPDM VMQ (on request)
Coil coating	PBT or epoxy resin



Options

ID	DN	Ø 8mm	Cv-value P	Cv-value R
90307	2	John Guest cartridge	2,1 l/min	2,5 l/min

Tubes are to be installed in a way that enduring mechanical tension on in- and outlet connections remain as low as possible!

MS.006 (IP00)	
MS.024 (IP65)	
MS.025 (IP67, IP68)	

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