3/2-way lever valve, DN



A. u. K. Müller

Solenoid valves Control valves Special valves and systems

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Characteristics

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

Series 47.004.103



Description

Direct acting 3/2 way solenoid change over valve with different orifice sizes 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 nozzles 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.

Highly suitable for using in laboratory and analysis equipment.

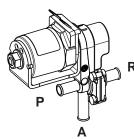
Applications

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

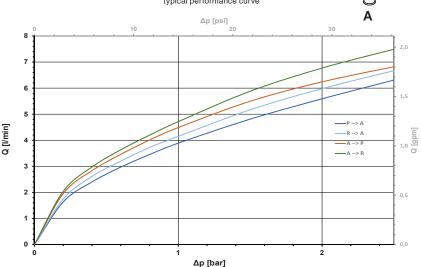
Possible approvals

Approved versions available on request:

- WRAS
- UL
- Others on request



typical performance curve

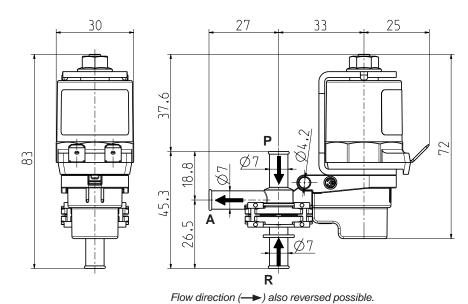


silicone tubing 12,0 mm OD x 3,0 mm wall thickness; length 100 mm; fluid: water at 25°C; free outlet

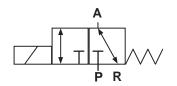


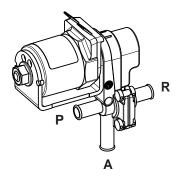
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Materials		
Valve body	PEI other materials on request	
Plunger guide	stainless steel	
Plunger	stainless steel	
Membrane	EPDM VMQ (on request)	
Coil coating	PBT or epoxy resin	





Options			
ID	Nominal voltage	Duty cycle	
90302	12 V DC	70 %	
90300	24 V DC	70 %	
90303	24 V DC	100 %	
Other variants on request			

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

Technical Data lever solenoid valve Type Construction 3/2-way valve, direct acting flow path R - A normally open Function Fitting position Media cold and heated potable water and physically and chemically similar media T-Medium 98 °C max. T-Ambient 70 °C max. (60) °C max. (USA and coils MS.024, MS.025) DN 4 mm p-Operating 0 - 2,5 bar a) b) 0 - 2,5 bar c) 0 - 2,0 bar Cv-value 3,5 I/min MS.006, MS.024, MS.025 Coil type Nominal voltages V DC 12 a) b) 24 V DC c) 24 V DC other voltages on request Voltage tolerance +10% -15% **Duty cycle** ON: 3,5 min. OFF: 1,5 min. a) ON: 3,5 min. OFF: 1,5 min. c) ON: continuously Nominal power 9,5 W (UL approval) a) b) 10,0 W c) 8,6 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)

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

Insulation class

Protection class

according to

EN 60730 according to

EN 60730 (for incorporation in class I)