Product Information

Solenoid valve NC, DN 10 two chambers in line

Series 29.010.226



A.u.K. Müller

Solenoid valves
Control valves
Special valves and systems

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Characteristics

- servo-controlled
- normally closed (NC)
- long term performance capability
- suitable for hot water up to 90 °C
- easy to assemble and service
- solenoid replaceable while medium circuit remains untouched, solenoid rotatable 4 x 90°
- any fitting position
- high operating safety through the use of high quality materials and 100% final testing of the products

Applications

- dental appliances
- irrigation systems
- industrial appliances
- air conditioning
- pollution equipment
- dish washers
- washing machines
- water treatments

Description

2/2-way solenoid valve of nominal diameter DN 10 for use with cold and heated potable water and physically and chemically similar media. The valve is servo-controlled and normally closed (NC).

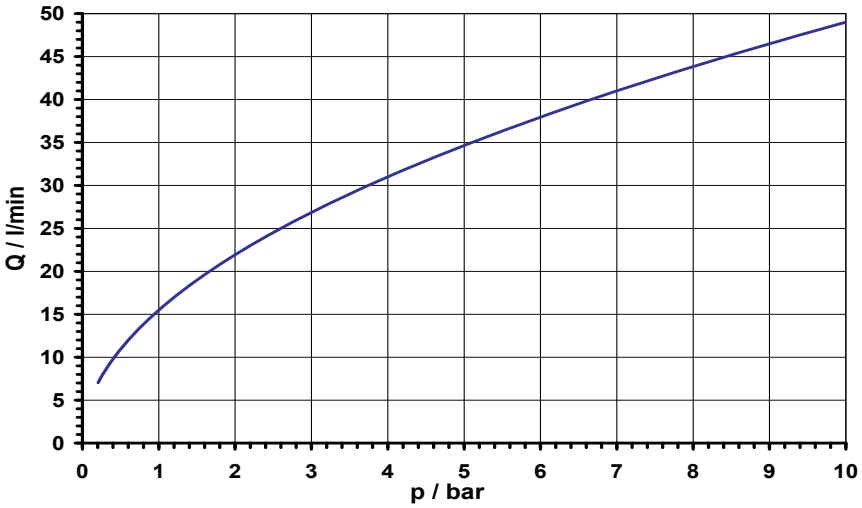
Valves of this design are two chamber straight valves and can be manufactured with various connections.
Both chambers are operated simultaneously to increase reliability. The function is similar to two single valves assembled in line.

The outgoing chamber can be designed as a direct acting valve on request. The valve will close completely in case of low pressure, because a minimum pressure is not required.

Coil systems for common voltage and frequency ranges are available.
Electrical operating safety is achieved by insulation class F and can be supported by an integrated protective circuit.

By using high quality insulation materials, continuous duty (100 % ED) at higher medium temperatures is possible. The glass fibre reinforced polyamide valve body persists hot water. Protection against corrosion of inner parts exposed to the medium is achieved by using stainless steel.

typical performance curve

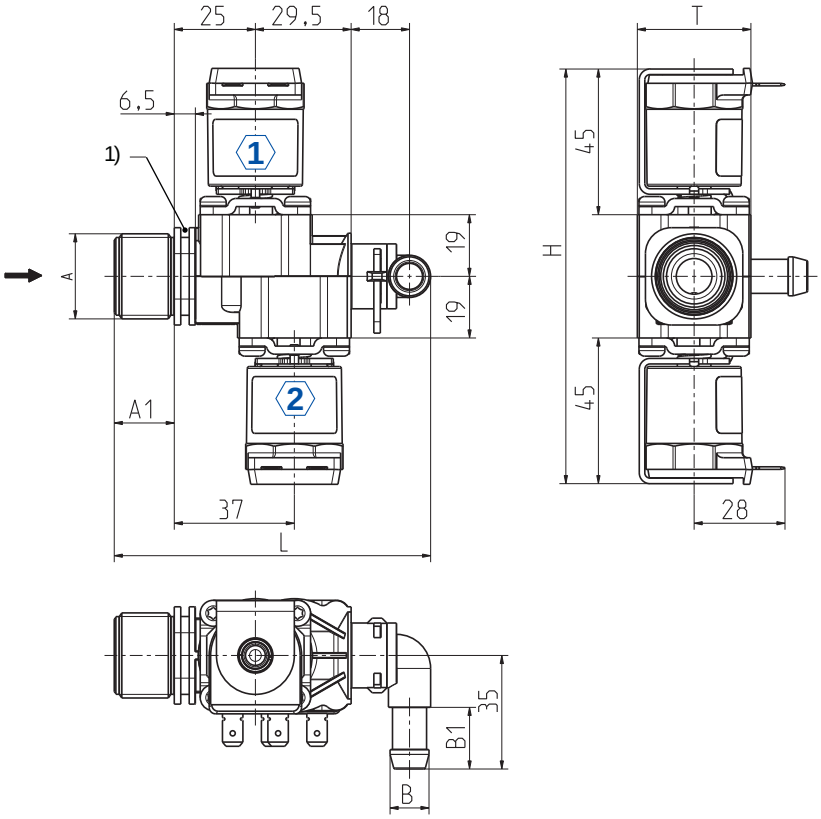


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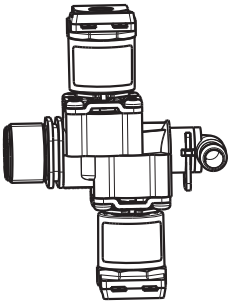
1) Fixing groove
①, ② valve chamber

Technical Data

Type	solenoid valve		
Construction	2/2-way, two chambers in line, servo-controlled		
Function	NC (normally closed)		
Fitting position	any		
Media	cold and heated potable water and physically and chemically similar media		
T-Medium	90	°C max.	
T-Ambient	70 (60	°C max. °C max. USA and coils MS.024, MS.025)	
DN	10	mm	
p-Operating	0,2 - 10	bar	
Cv-value	15,5	l/min	
Flow regulator	on request		
Pressure surge	according to EN 60730		
Coil type	MS.006, MS.024, MS.025		
Nominal voltages	220 - 240 110 110 - 127 24 12 24 12	V AC V AC V AC V AC V AC V DC V DC	50-60 Hz 50 Hz 60 Hz 50/60 Hz 50/60 Hz
	other voltages on request		
Voltage tolerance	+10% -15%		
Duty cycle	100%		
Nominal power	8,5 W	13 VA (AC only)	
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	PA 66, glass fibre reininforced
Plunger guide	stainless steel
Plunger	stainless steel
Membrane and sealings	EPDM
Coil coating	PBT, PET or epoxi resin
Filter	POM (in inlet)



Options

Material	Inlet		Outlet		Length	Height	Depth
	Ø A	A1	Ø B	B1	L	H	T
			elbow				
PA 66	G 3/4	18,0	12,0 nozzle	19,0	97,0	128,0	35,0
			straight				
PA 66	G 3/8	13,0	G 3/8	13,0	86,0	128,0	35,0
PA 66	G 3/4	18,0	12,0 nozzle	17,0	93,0	128,0	35,0

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