Product Information

Direct Acting Solenoid Valve, DN 10 Medium Separated

Series 01.010.114



A.u.K. Müller

Solenoid valves
Control valves
Special valves and systems

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Characteristics

- Direct acting
- Normally closed (NC)
- Internal plunger assembly medium separated
- Low pressure range of up to 60 mbar
- Solenoid replaceable while medium circuit remains untouched, solenoid rotatable 4 x 90°
- Suitable for hot water up to 98°C
- Long term performance capability
- High operating safety by the use of high quality materials and 100% final testing of the products

Description

This 2/2-way solenoid valve has a 10 mm orifice and is designed for use with potable water and physically and chemically similar media. It is suitable for use in low pressure applications such as controlling flow from a tank and can handle a maximum pressure head of 60 cm.

The valve is direct acting in operation, normally closed (NC) and the internal plunger assembly is separated from the medium.

These valves have a single body chamber. Coils are available in all common voltage and frequency ranges.

The electrical operational safety is guaranteed by the electrical insulation coordination, which corresponds to the VDE 110 regulations. The manufacturing process includes a 100% electrical safety test in accordance with the VDE 0631 Part 1000 regulations.

The use of high quality insulation materials enables a 100 % duty cycle is be achieved, even at high medium temperatures. For example, the valve body is reinforced with glass fibre to enable use with hot water. Protection against corrosion of inner parts exposed to the medium is achieved by a separating membrane.

Applications

- Dosing systems
- Low pressure applications
- Cleaning equipment
- Industrial appliances

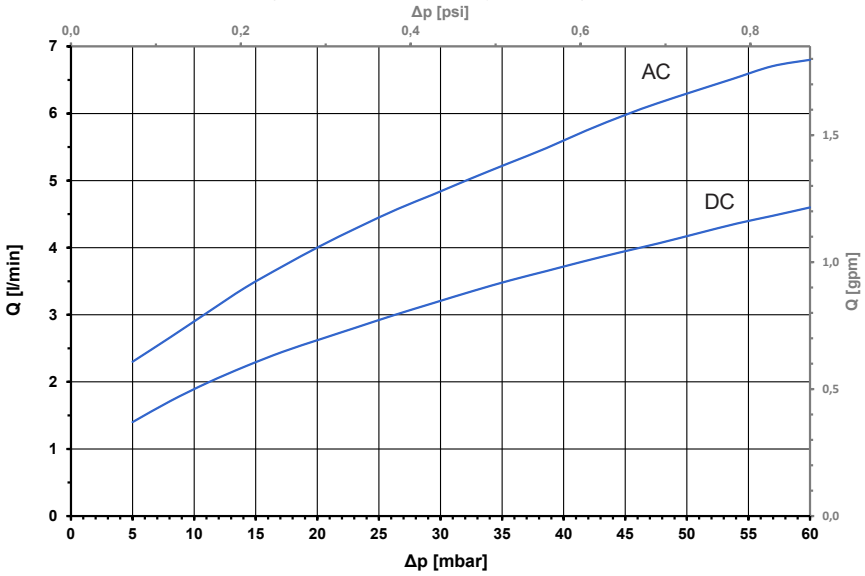
Approvals

Approvals available on request:

KTW - BWGL

- KTW-BWGL
- Others on request

Typical Performance Curve
(measured under laboratory conditions)

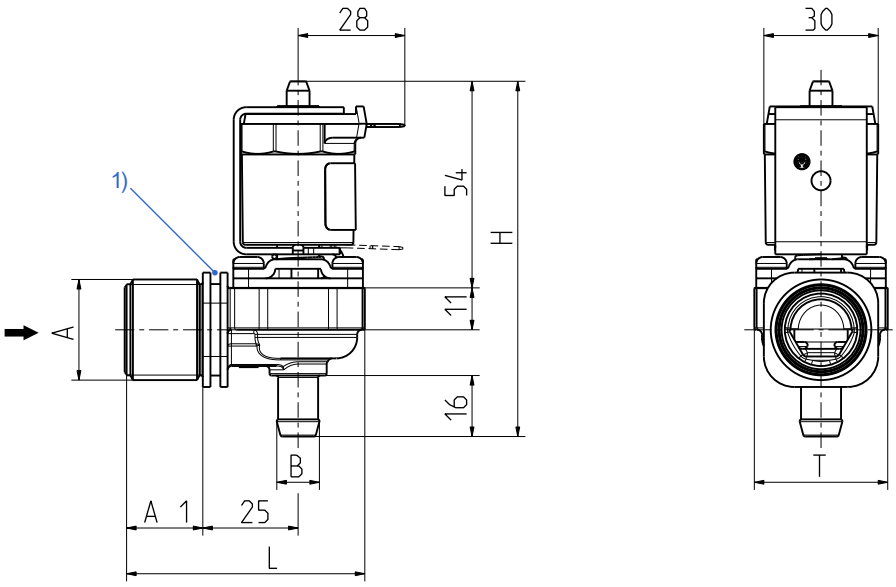


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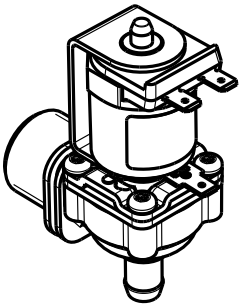
1) Fixing groove

Technical Data

Type	solenoid valve		
Construction	2/2-way single chamber valve inlet ninety degree to outlet, direct acting		
Function	NC (normally closed)		
Fitting position	any, preferably with coil upwardly		
Media	cold and heated potable water and physically and chemically similar media		
T-Medium	5 - 98	°C	
T-Ambient	5 - 50	°C	
DN	10	mm	
p-Operating	0 - 60	mbar	
Coil type	MS 06, MS 24, MS 25		
Nominal voltages	220 - 240 120 42 24 24	V AC V AC V AC V AC V DC	50-60 Hz 50-60 Hz 50 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	see coils		
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	see coils	according to EN 60730	

Materials

Valve body	PA 66 glass fibre reinforced PPE on request PEI on request
Plunger guide	stainless steel
Plunger and spring	stainless steel
Membrane and sealings	VMQ EPDM on request
Coil coating	PBT,PET or epoxy resin
Filter (inlet)	stainless steel POM on request



Options

Nozzle with star contour inside



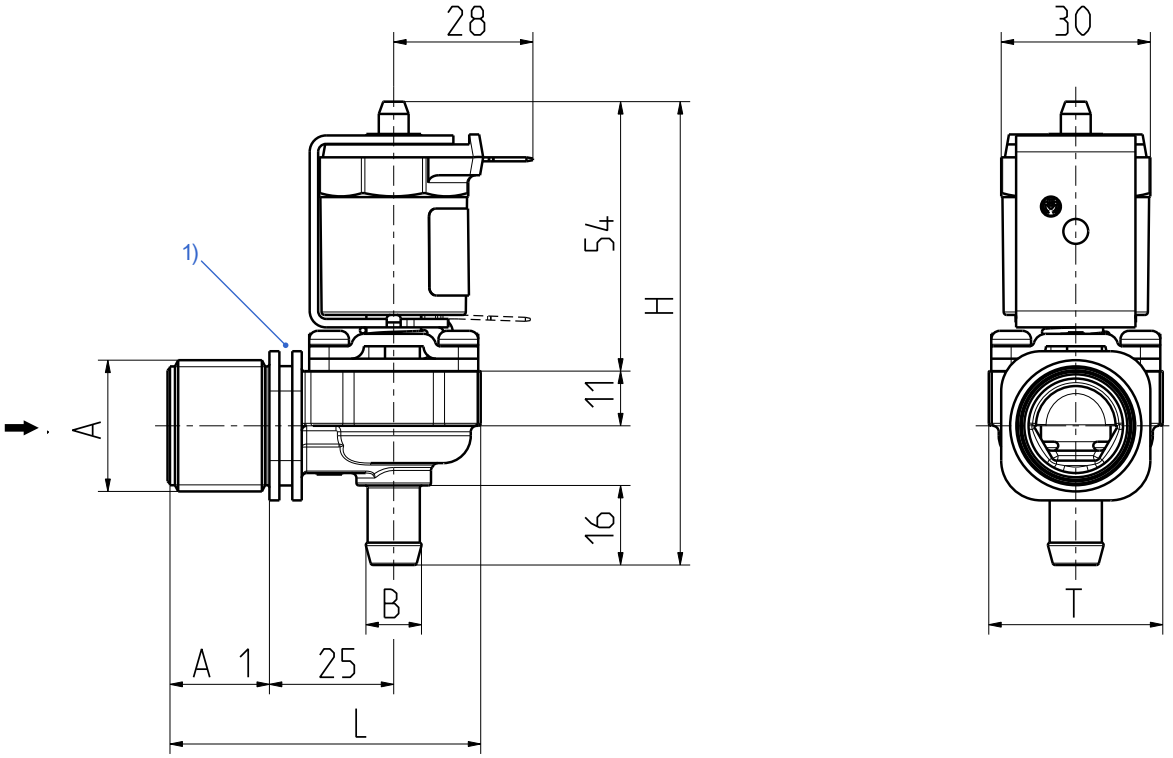


Coils

		MS 06	MS 24	MS 25
Protection Type according to ISO 206653 / DIN EN 60529		**IP 00**	**IP 65**	**IP 65 / 68**
Protection class DIN EN 61140 / DIN EN 60730	**I** with protective conductor system	⏚	–	–
	II with reinforced insulation	⧈	⧈	⧈
	III for SELV or PELV	⋙	⋙	⋙

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1) Fixing groove

Options

Material	Inlet		Outlet		Length	Height	Depth
	Ø A	A1	Ø B	B1	L	H	T
PA 66	G 3/4	20,0	14,5 nozzle	17,0	63,0	93,0	35,0
PA 66	G 3/4	20,0	11,5 nozzle	16,0	63,0	93,0	35,0
PPE grey	G 3/4	20,0	14,5 nozzle	17,0	63,0	93,0	35,0
PA 66	G 3/4	20,0	14,5 nozzle with G 1/8 female Ø 12	17,0	63,0	93,0	35,0
PA 66	G 3/4	20,0	G 1/4 x 12	17,0	63,0	93,0	35,0
PA 66	G 3/4	20,0	14,5 nozzle with M10x1 female Ø 12	17,0	63,0	93,0	35,0
PA 66	G 3/4	20,0	14,5 nozzle with 1/8 NPT female	17,0	63,0	93,0	35,0
PA 66	G 3/4 inner Ø 20	20,0	14,5 nozzle	17,0	63,0	93,0	35,0
PA 66	G 3/4 inner Ø 20	20,0	14,5 nozzle with M10x1x12 female Ø	17,0	63,0	93,0	35,0
PEI	G 3/4	20,0	14,5 nozzle	17,0	63,0	93,0	35,0
PA 66	G 3/4	12,0	14,5 nozzle	17,0	55,0	93,0	35,0
PA 66	G 3/4	20,0	14,5 nozzle internally star shaped	17,0	63,0	93,0	35,0
PPE black	.75-11,5NH	20,0	11,5 nozzle	17,0	63,0	93,0	35,0

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