# Direct acting solenoid valve, DN 10 media separated

# (V)

## 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)2II-739I-0 Fax: +49(0)2II-739I-28I

e-mail: info@akmueller.de http://www.akmueller.de



- 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

#### Series 01.010.124



### **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.

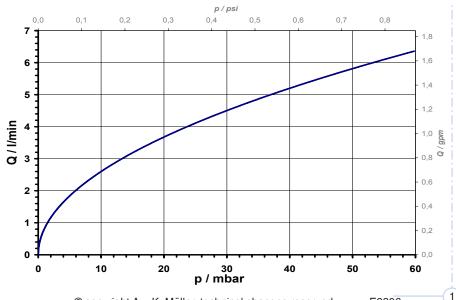
A high level of electrical operating safety is achieved through its insulation class F which can be supported by an integral protective circuit.

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

#### typical performance curve



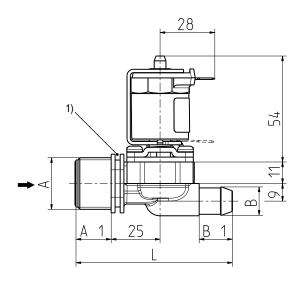
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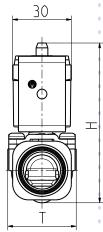
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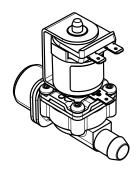
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#### 1) Fixing groove

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						



Ted	chnical	Data	ì			
Туре	solenoid valve					
Construction	2/2-way single chamber straight valve, direct acting					
Function	NC (normally closed)					
Fitting position	any, preferably with coil upwardly					
Media	cold and heated potable water ar physically and chemically similar media					
T-Medium	98	°C max.				
T-Ambient	50	°C max.				
DN	10	mm				
p-Operating	0 - 60	mbar				
Coil type	MS.006, MS.024, MS.025					
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	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				

Options									
Material	Inlet		Outlet		Length	Height	Depth		
	ØA	A1	ØB	B1	L	Н	Т		
PA 66	G 3/4	20,0	14,5 nozzle	17,0	82,0	72,0	35,0		
PA 66	G 3/4	20,0	11,5 nozzle	17,0	82,0	72,0	35,0		
PA 66	G 3/4	20,0	14,5 nozzle inner Ø 10	17,0	82,0	72,0	35,0		
PPE	G 3/4	20,0	14,5 nozzle	17,0	82,0	72,0	35,0		
PA 66	G 3/4	20,0	1/8 NPT female		65,0	72,0	35,0		
PA 66	G 3/4	20,0	G 1/4	12,0	77,0	72,0	35,0		
PA 66	G 3/4	20,0	G 1/8 x 10 inner		65,0	72,0	35,0		
PEI	G 3/4	20,0	14,5 nozzle	17,0	82,0	72,0	35,0		
PA 66	.75-11.5 NH	20,0	11,5 nozzle	17,0	82,0	72,0	35,0		
PPE	3/4 - 14 NPT	20,0	11,5 nozzle	17,0	82,0	72,0	35,0		
PPE	.75-11.5 NH	20,0	14,5 nozzle	17,0	82,0	72,0	35,0		

