Product Information

Direct acting solenoid valve NC, DN 3

Series 24.006.115



A.u.K. Müller

Solenoid valves
Control valves
Special valves and systems

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Characteristics

- Direct controlled
- Long term performance capability
- Easy to assemble and service
- Suitable for hot water up to 90°C
- Solenoid replaceable while medium circuitry remains untouched, solenoid rotatable 4 x 90°
- DC or AC operation possible
- High operating safety by the use of high quality materials and 100% final testing of the products

Description

Series 24.006.115 valves are direct acting 2/2 way solenoid valves with an orifice size of 3 mm. They are used for control of hot and cold drinking water and other similar media particularly when a rapid opening and closing of the valve is required for accurate dosing.

The valve is normally closed (NC).

Valves of this design are single chamber valves with the inlet ninety degrees to the outlet. 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.

Applications

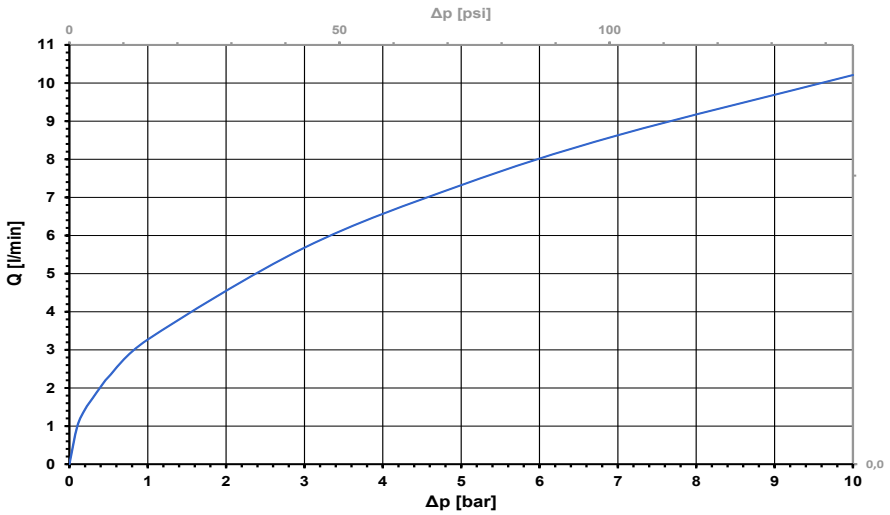
- Steam appliances
- Fast coolers
- Pollution equipment
- Liquid dosing
- Industrial appliances

Possible approvals

Approved versions available on request:

- KTW/W270
- NSF 169
- cULus
- Others on request

typical performance curve

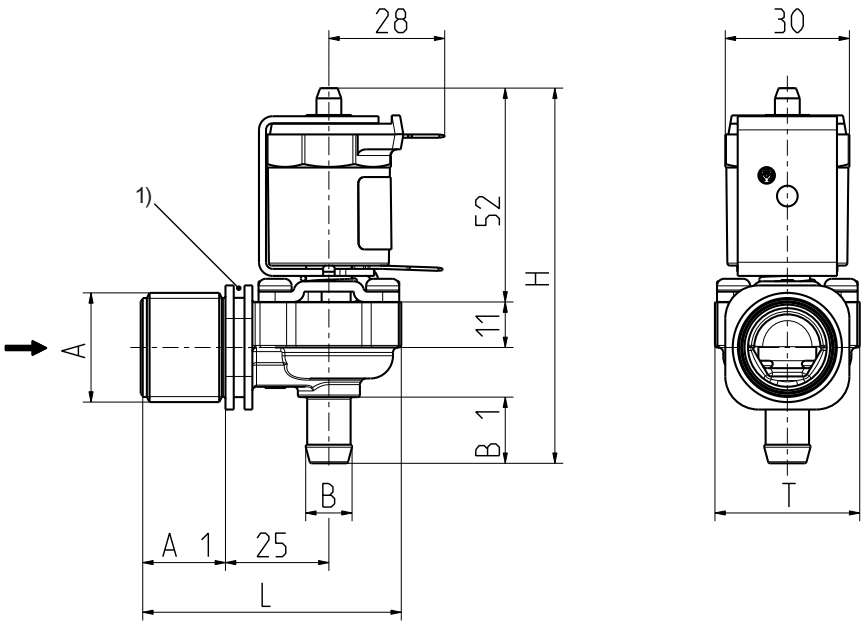


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Direct acting solenoid valve NC, DN 3

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Series 24.006.115



1) Fixing groove

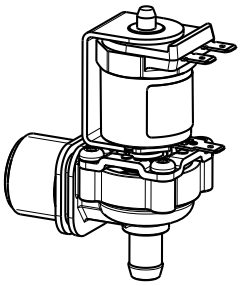
Technical Data

Type	solenoid valve	
Construction	2/2-way single chamber valve inlet ninety degree to the 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	90	°C max.
T-Ambient	50	°C max.
DN	3	mm
p-Operating	0 - 10	bar
Cv-value	3,2	l/min
Flow regulator	on request	
Coil type	MS.006, MS.024, MS.025	
Nominal voltages	220 - 240 110 110 - 127 24 24	V AC 50-60 Hz V AC 50 Hz V AC 60 Hz V AC 50/60 Hz V DC
	other voltages on request	
Voltage tolerance	+10% -15%	
Duty cycle	100%	
Nominal power	11 W	18,5 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)

⚠ Series 24.006.115 is direct acting and fast closing valve. If installed into a potable water system and to achieve compliance to technical regulation according to DIN EN 60335-1, DIN EN 60730-1 or DIN EN 60601-1, measures of flow regulation have possibly to be taken, as a flow rate reduction to avoid inadmissible water hammers and/or noise emissions.

Materials

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



Options

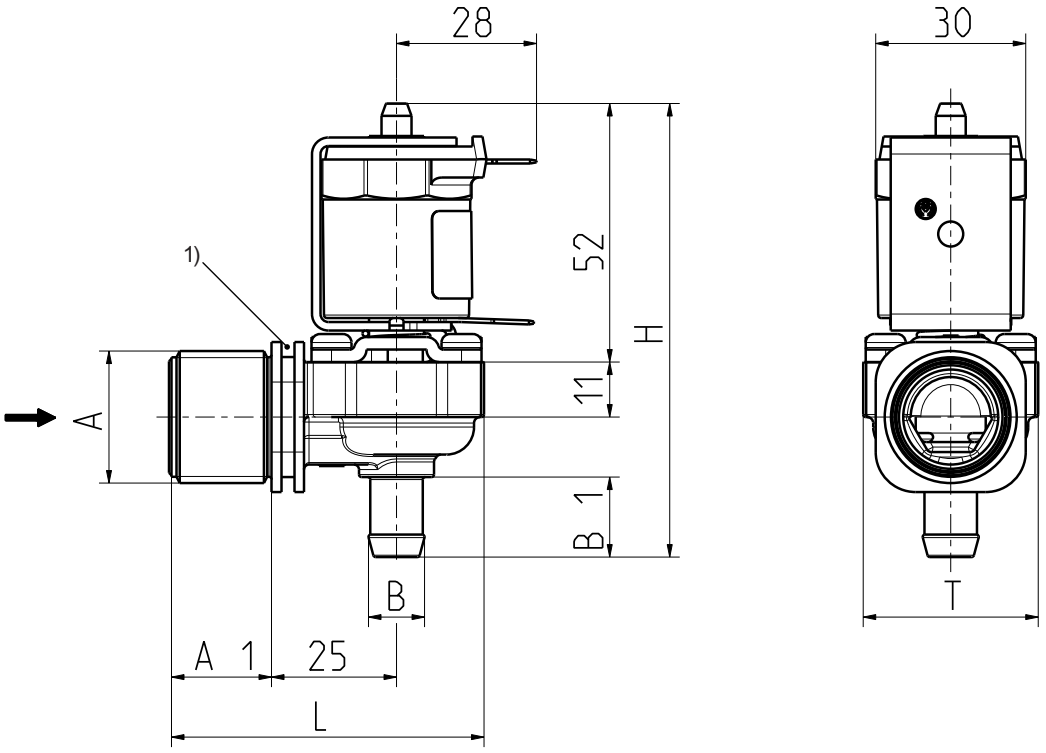




MS.006 (IP00)	
MS.024 (IP65)	
MS.025 (IP67, IP68)	

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Series 24.006.115



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	14,5 nozzle	17	63	91	35
PA 66	G 3/4	20	11,5 nozzle	16	63	91	35
PA 66	G 3/4	20	G 1/4 x 12	17	63	91	35
On request:							
PPE	G 3/4	20	14,5 nozzle	17	63	91	35
PA 66	G 3/4	20	14,5 nozzle with G 1/8 female 12 Ø	17	63	91	35
PA 66	G 3/4	20	14,5 nozzle with M10x1 female 12 Ø	17	63	91	35
PA 66	G 3/4	20	14,5 nozzle with 1/8 NPT female	17	63	91	35
PA 66	G 3/4 inner Ø 20	20	14,5 nozzle	17	63	91	35
PA 66	G 3/4 inner Ø 20	20	14,5 nozzle with M10x1 female 12 Ø	17	63	91	35
PEI	G 3/4	20	14,5 nozzle	17	63	91	35
PA 66	G 3/4	12	14,5 nozzle	17	55	91	35
PA 66	G 3/4	20	14,5 nozzle internally star shaped	17	63	91	35
PPE	.75-11.5NH	20	11,5 nozzle	17	63	91	35

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