



**technische import**

# Productinformatie



A.U.K. MÜLLER GMBH & CO. KG

**BAFA.NL**

## Servo-controlled solenoid valve NC, DN 13



**A.u.K. Müller**

Solenoid valves  
Control valves  
Special valves and systems

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### Series 01.013.128



### Characteristics

- servo-controlled
- normally closed (NC)
- solenoid replaceable while medium circuitry remains untouched
- suitable for hot water up to 90 °C
- similar hydraulic performance for AC or DC type
- long term performance capability
- optimized water hammer characteristic by low noise emission according to EN 60730
- high operating safety by the use of high quality materials and 100% final testing of the products

### Applications

- steam appliances
- dental appliances
- hot / cold drink dispensers
- industrial appliances
- air conditioning
- agricultural implements
- pollution equipment
- temperature equalisers
- dishwashers
- ice machines
- washing machines
- water treatment

### Description

2/2-way solenoid valve of nominal diameter DN 13 for use with cold and heated potable water and physically and chemically similar media. The valve is servo-controlled and normally closed (NC).

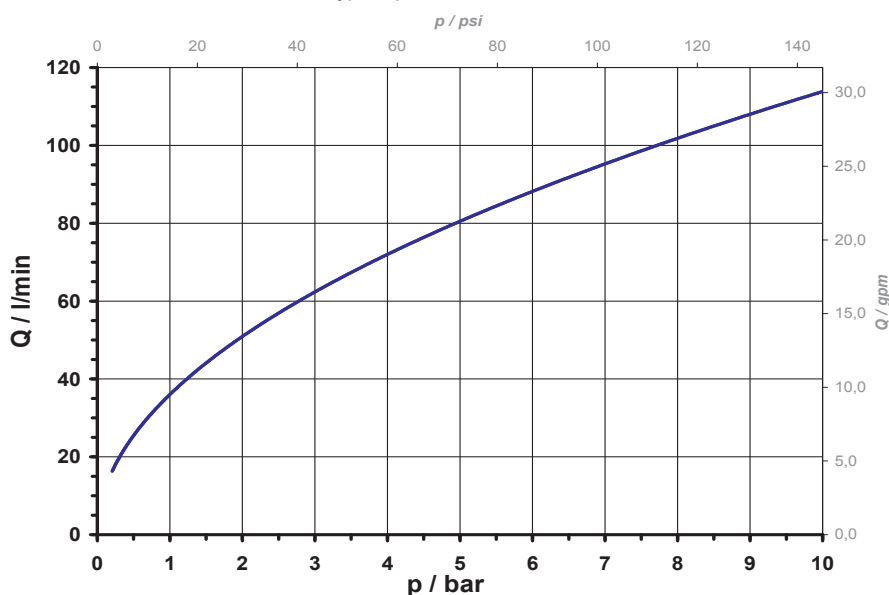
Valves of this design are single chamber straight valves with female thread at in- and outlet.

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.

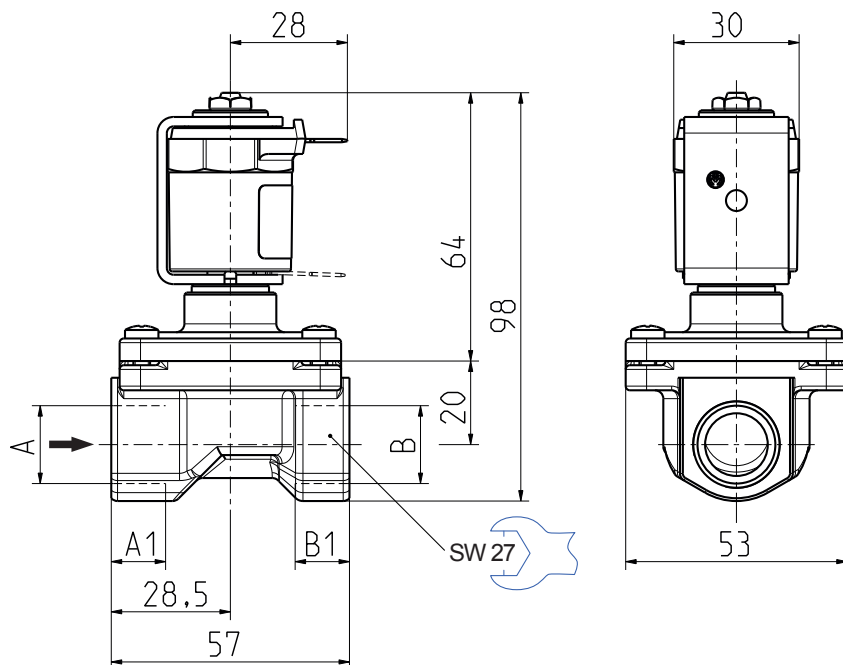
By using high quality insulation materials, continuous duty (100 % ED) at higher medium temperatures is possible. Protection against corrosion of inner parts exposed to the medium is achieved by using stainless steel.

typical performance curve



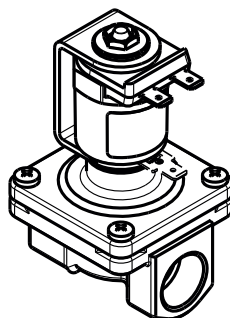


### Series 01.013.128



### Materials

Valve body	brass CW617N
Plunger guide	stainless steel
Plunger and spring	stainless steel
Membrane and sealings	EPDM NBR (on request)
Coil coating	PBT,PET or epoxy resin



### Technical Data

Type	solenoid valve	
Construction	2/2-way single chamber straight valve, servo-controlled	
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	70 (60)	°C max. °C max. USA and coils MS.024, MS.025)
DN	13	mm
p-Operating	0,5 - 10	bar
Cv-value	36	l/min
Pressure surge	according to EN 60730	
Coil type	MS.006, MS.024, MS.025	
Nominal voltages	220 - 240	V AC 50-60 Hz
	110	V AC 50 Hz
	110 - 127	V AC 60 Hz
	24	V AC 50/60 Hz
	12	V AC 50/60 Hz
	24	V DC
	12	V DC
	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)

### Options

Material	Inlet		Outlet		Length	Height	Depth
	Ø A	A1	Ø B	B1			
brass	G 1/2 female	12,0	G 1/2 female	12,0	57,0	98,0	53,0
brass	G 3/8 female	12,0	G 3/8 female	12,0	57,0	98,0	53,0
brass, nickel-plated	G 1/2 female	12,0	G 1/2 female	12,0	57,0	98,0	53,0

MS.006  
(IP00)



MS.025  
(IP67, IP68)



MS.024  
(IP65)





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