



**technische import**

# Productinformatie



**A.U.K. MÜLLER GMBH & CO. KG**

**BAFA.NL**

# Product Information

## Servo-controlled solenoid valve NC, DN 21



### 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)211-7391-0  
Fax: +49(0)211-7391-281

e-mail: [info@akmueller.de](mailto:info@akmueller.de)  
<http://www.akmueller.de>

### Series 01.021.521



### Characteristics

- servo-controlled
- normally closed (NC)
- solenoid replaceable while medium circuitry remains untouched
- suitable for hot water up to 90 °C
- similar performance for alternating- or direct current
- 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
- dish washers
- ice machines
- washing machines
- water treatment

### Description

2/2-way solenoid valve of nominal diameter DN 21 for use with cold and heated potable water and physically and chemically similar media. The valve is servo-controlled and normally closed (NC).

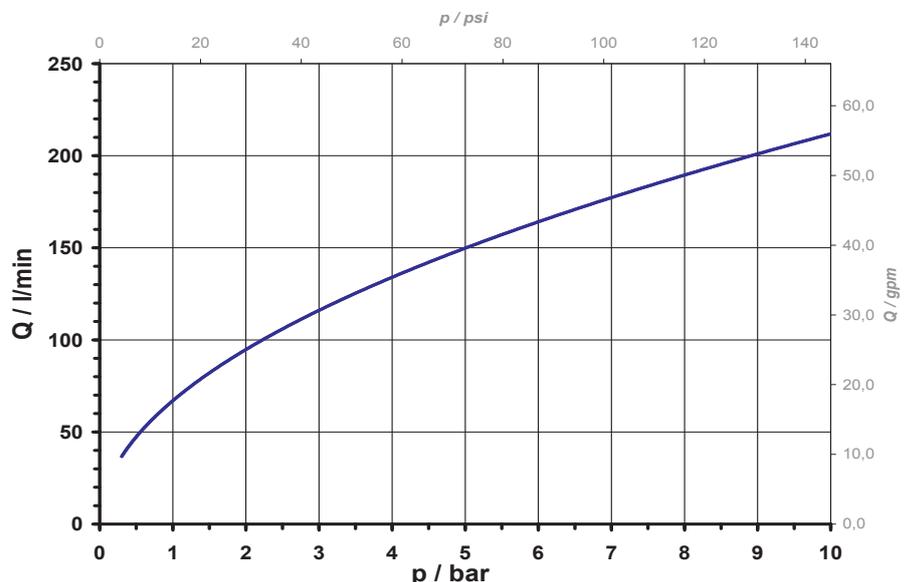
Valves of this design are single chamber straight valves with female thread at in- and outlet in different dimensions.

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



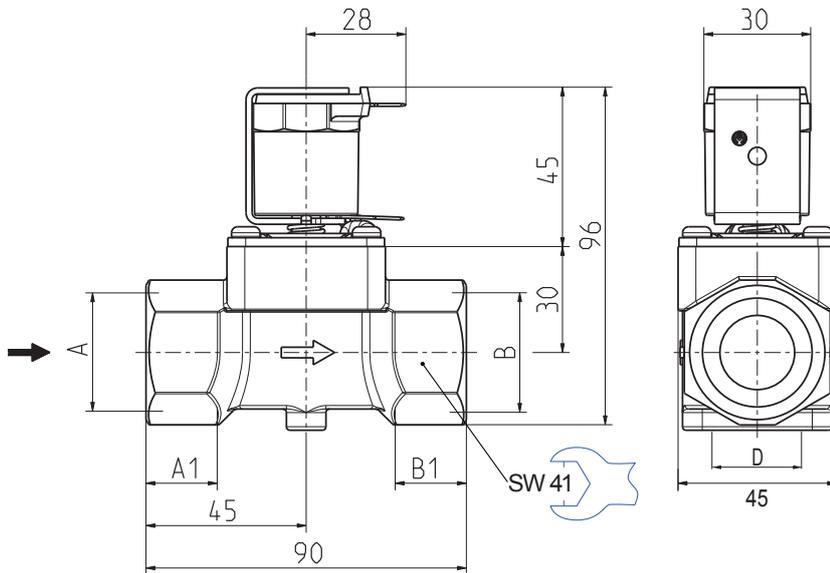
# Product Information

Servo-controlled solenoid valve NC, DN 21



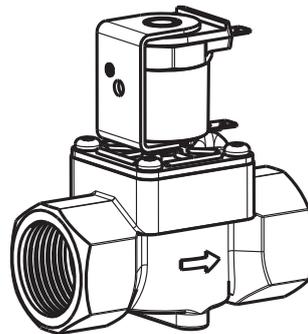
A.u.K. Müller

## Series 01.021.521



## 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



## Options

Material	Inlet		Outlet		Length	Height	Depth
	Ø A	A1	Ø B	B1			
brass	G 1 female	16,0	G 1 female	16,0	90,0	96,0	45,0
brass	G 3/4 female	16,0	G 3/4 female	16,0	90,0	96,0	45,0
brass	1 NPT female	17,0	1 NPT female	17,0	90,0	96,0	45,0
brass	3/4 NPT female	14,0	3/4 NPT female	14,0	90,0	96,0	45,0

(on request D = 20 mm - 2 x threaded hole M4x6 as fixing alternative)

## 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	21	mm
p-Operating	0,3 - 10	bar
Cv-value	67	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)

MS.006  
(IP00)

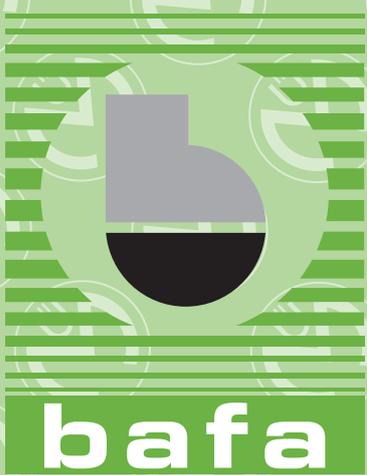


MS.025  
(IP67, IP68)



MS.024  
(IP65)





# **technische import**

Nijverheidsweg 11  
7005 AS Doetinchem  
T. +31 (0) 314-344342  
E. [info@bafa.nl](mailto:info@bafa.nl)

**BAFA.NL**