Product Information

2/2 way direct acting solenoid valve NO
DN 2, 4 - media separated, duty cycle 100 %

Series 43.00x.182

A. u. K. Müller

Solenoid valves
Control valves
Special valves and systems

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Characteristics

- Direct acting
- Media separated by membrane
- Compact design
- Long term performance capability
- Suitable for food and hot water appliances
- Works from zero pressure
- Easy to assemble and service
- Coil change without opening of medium circuit, coil can be mounted 4 x 90°
- High operating safety through the use of high quality and 100% final testing of the product

Applications

- Hot / cold drink dispensers
- Medical equipment
- Water treatment systems

Description

2/2-way solenoid valve of different nominal diameters for use with neutral gases and liquids. This valve is direct controlled and normally open (NO).

Valves of this design are single chamber straight through valves, with nozzles or push fittings at outlet and inlet. The plunger is separated by a diaphragm from the medium and protected by its influence.

The valve body is made of PEI, which is suitable for hot water applications.

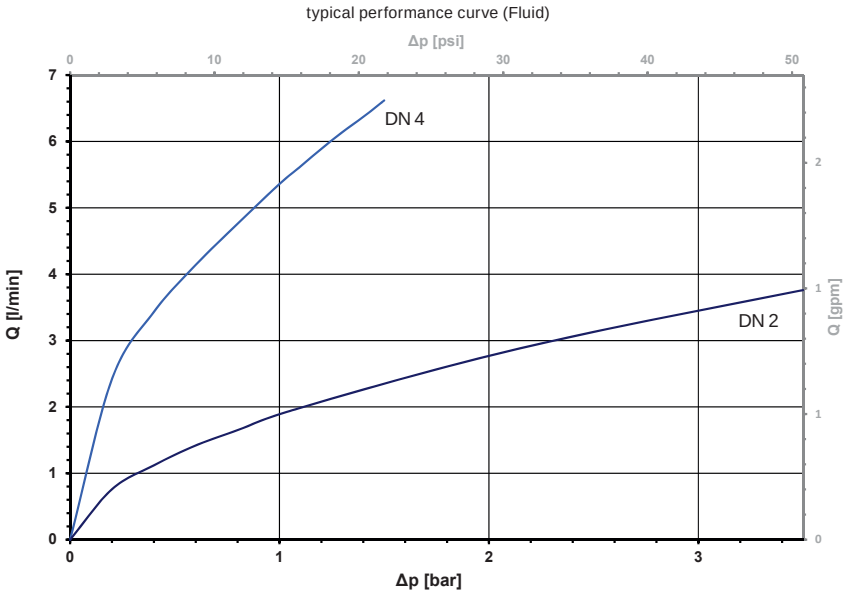
This valve is designed for continuous operation (duty cycle 100%).

Electrical operating safety is achieved by using high quality materials of insulation class F and can be supported by an additional protection circuit.

Possible approvals

Approved versions available on request:

- KTW/W270
- Others on request

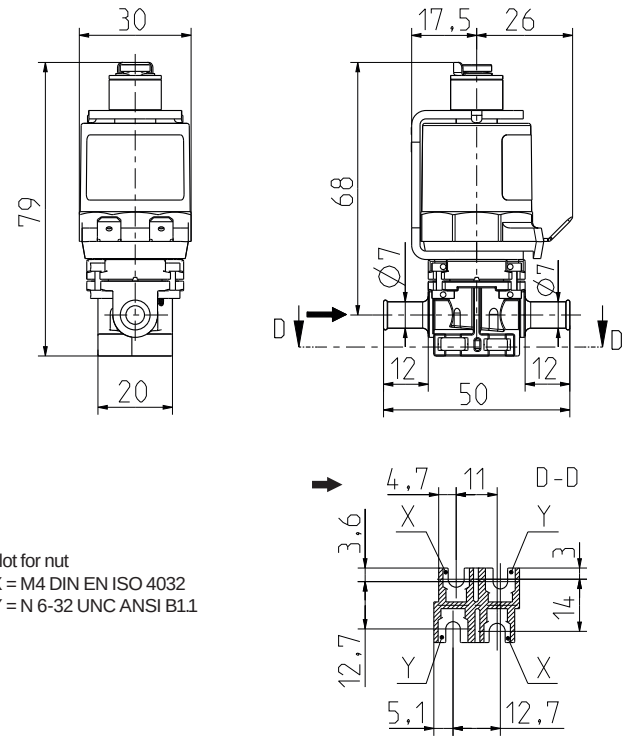


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slot for nut
X = M4 DIN EN ISO 4032
Y = N 6-32 UNC ANSI B1.1

Materials

Valve body	PEI
Plunger guide	stainless steel
Plunger	stainless steel
Membrane	EPDM FPM (on request) VMQ (on request)
Coil coating	PBT

Technical Data

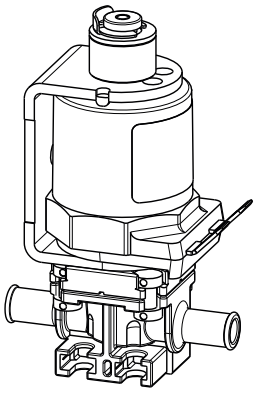
Type	solenoid valve	
Construction	2/2-way single chamber straight valve, direct acting	
Function	NO (normally open)	
Fitting position	any	
Media	neutral gases, cold and heated potable water and physically and chemically similar media	
T-Medium for connections nozzle John Guest	 98 65	 °C max. °C max. on request
T-Ambient for connections nozzle John Guest	 60 60	 °C max. °C max. on request

DN	Cv-value	p-Operating	p-Operating
mm	l/min	bar in flow direction	bar against flow direction
2	1,8	0 - 3,5	0 - 1,5
4	5,3	0 - 1,5	0 - 1,5

Coil type	MS.006	
Nominal voltages	24	V DC
	12 V DC on request	
Voltage tolerance	+10% -15%	
Duty cycle	100%	
Nominal power	8,5	W
Protection Type	IP 00	
Coil connections	flat tabs 6,3 x 0,8 mm	
Insulation class	F	according to EN 60730
Protection class	I	according to EN 60730 (for incorporation in class I)

Options

Nominal orifice	Connector	Inlet		Outlet			ID
		Ø	A1	Ø	B1	L	
DN 2	nozzle	7	12	7	12	50	on request
DN 4							59061

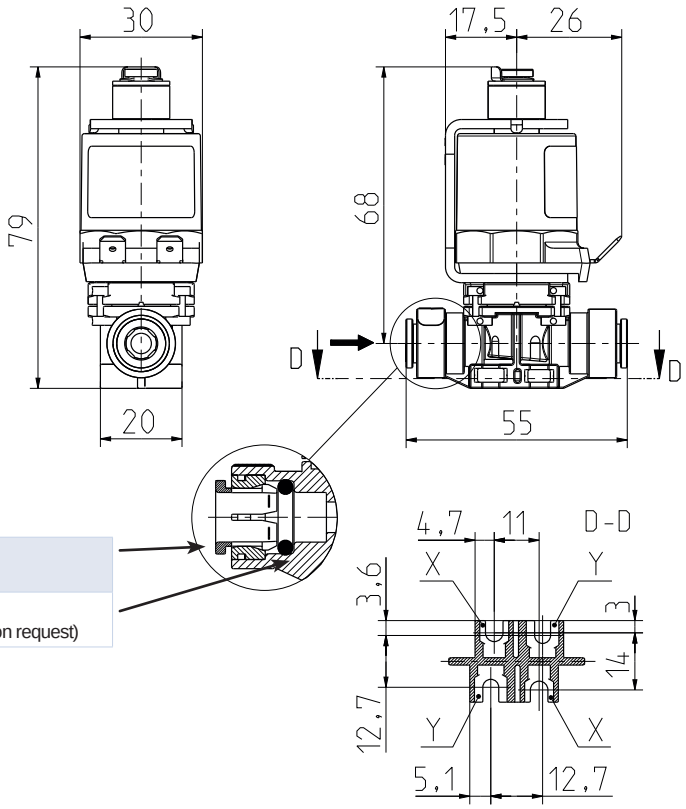


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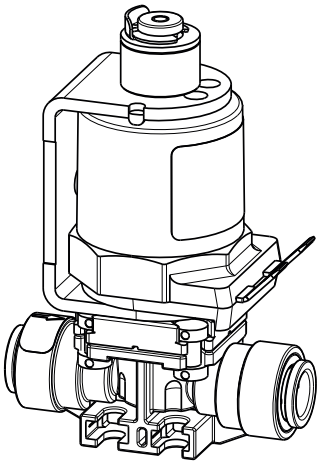
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John Guest cartridge	POM
o-ring	EPDM NBR (on request)

slot for nut
X = M4 DIN EN ISO 4032
Y = N 6-32 UNC ANSI B1.1



The applicability of the John Guest connection to medium- or ambient temperatures higher then 65 °C is temporarily feasible, but has to be verified accordingly in the respective application.

Options

Nominal orifice	Connector	Inlet	Outlet	Length	ID
		Ø	Ø		
DN 2*	John Guest cartridge	5/16”	5/16”	55	59062
DN 4					on request
DN 2/DN4		6	6		
DN 2/DN4		8	8		
DN 2/DN4		1/4”	1/4”		

* Membrane VMQ
Other connector combinations on request.

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