



technische import

Productinformatie



A.U.K. MÜLLER GMBH & CO. KG

BAFA.NL

Product Information

2/2 way direct acting solenoid valve NC DN 3, 4, 5 - media separated, duty cycle 100 %



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
Internet: www.akmueller.de

Series 43.00x.102



Characteristics

- Direct acting
- Plunger separated by membrane from medium
- Compact design
- Long term performance capability
- Suitable for food and hot water appliances
- Works from zero pressure
- Similar hydraulic performance for AC or DC types
- DC version with low noise and low wear out due to internal plunger attenuation
- 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
- Laboratory devices

Description

2/2-way solenoid valve of different nominal diameters for use with neutral gases and liquids. This valve is direct controlled and normally closed (NC).

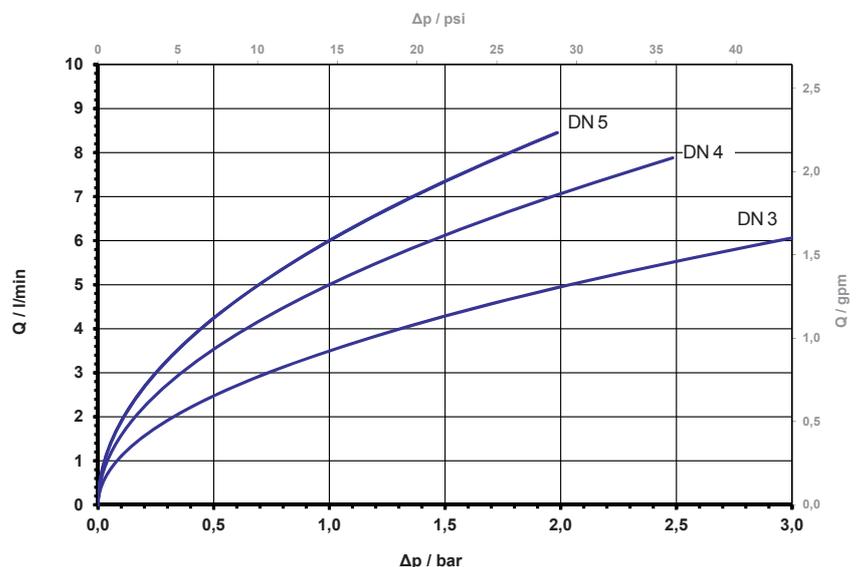
Valves of this design are single chamber straight through valves, with nozzles at outlet and inlet. The plunger is separated by a diaphragm from the medium and protected by its influence.

The use of PEI and PPSU for the valve housing allows the use in hot water. PPSU offers unlike PEI improved chemical and hydrolysis resistance.

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.

typical performance curve (Fluid)



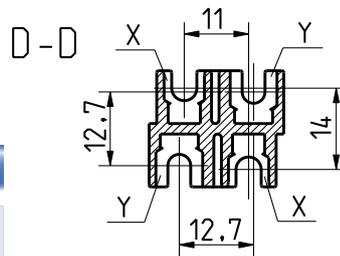
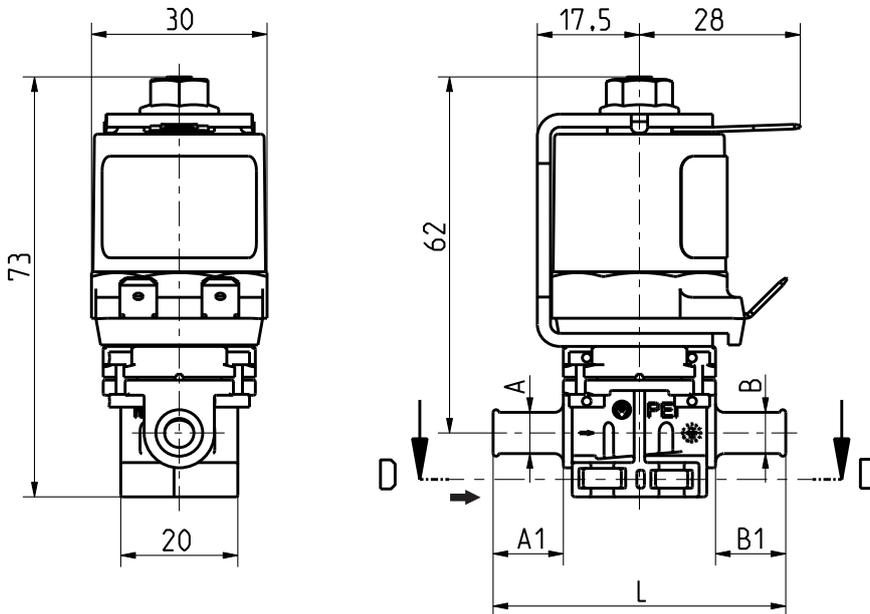
Product Information

2/2 way direct acting solenoid valve NC DN 3, 4, 5 - media separated, duty cycle 100 %



A. u. K. Müller

Series 43.00x.102



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

Materials

| | |
|---------------|--|
| Valve body | PEI PPSU |
| Plunger guide | stainless steel |
| Plunger | stainless steel |
| Membrane | EPDM FPM (on request) VMQ (on request) |
| Coil coating | PBT, PET or epoxy resin |

Technical Data

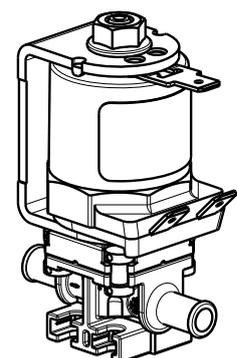
| | | |
|------------------|--|--------------------|
| Type | solenoid valve | |
| Construction | 2/2-way single chamber straight valve, direct acting | |
| Function | NC (normally closed) | |
| Fitting position | any | |
| Media | neutral gases, cold and heated potable water and physically and chemically similar media | |
| T-Medium | 98 | °C max. |
| John Guest | 65 | °C max. on request |
| T-Ambient | 70 | °C max. |
| John Guest | 65 | °C max. on request |

| DN | Cv-value | p-Operating | p-Operating |
|----|----------|--------------------------|-------------------------------|
| mm | l/min | bar in flow direction | bar against flow direction |
| 3 | 3,5 | 0 - 3,0 | 0 - 2,6 |
| 4 | 5,0 | 0 - 2,5 | 0 - 1,8 |
| 5 | 6,0 | 0 - 2,0 | 0 - 1,0 |

| | | | |
|-------------------|---------------------------|---|----------|
| Coil type | MS.006 | | |
| Nominal voltages | 12 | V DC | |
| | 24 | V DC | |
| | 24 | V AC | 50/60 Hz |
| | 110 | V AC | 50/60 Hz |
| | 230 | V AC | 50/60 Hz |
| | other voltages on request | | |
| Voltage tolerance | +10% -15% | | |
| Duty cycle | 100% | | |
| Nominal power | 10,2 W | 18 VA (AC) | |
| 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

| | Inlet | | Outlet | | |
|--------|-------|----|--------|----|----|
| | ∅ | A1 | ∅ | B1 | L |
| nozzle | 7 | 12 | 7 | 12 | 50 |

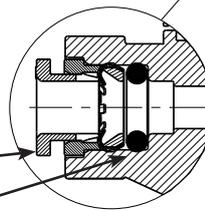
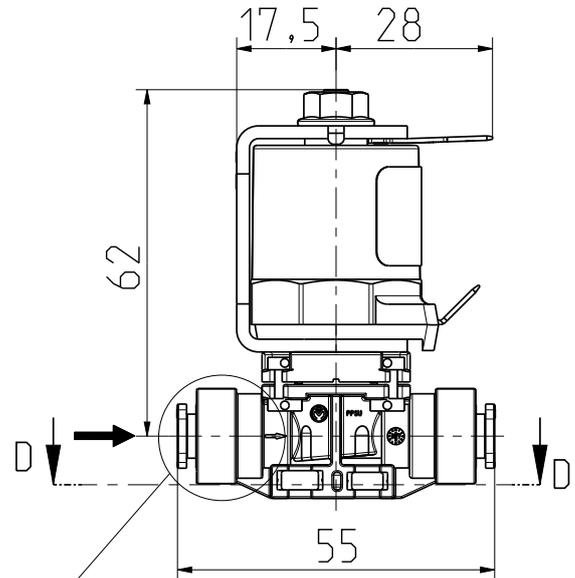
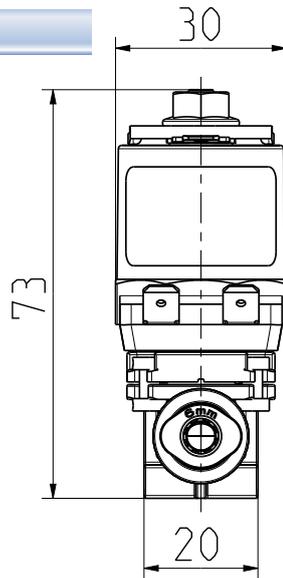


2/2 way direct acting solenoid valve NC
DN 3, 4, 5 - media separated, duty cycle 100 %

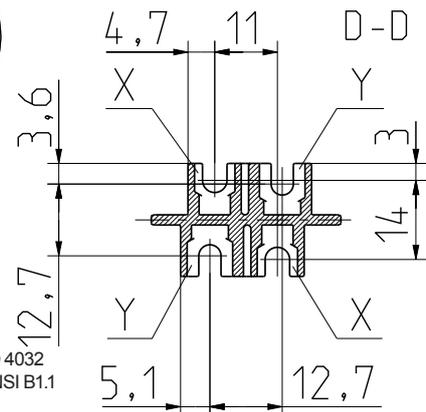


A. u. K. Müller

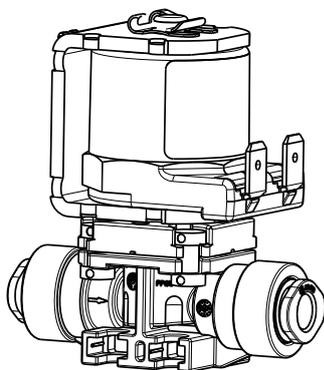
Series 43.00x.102



| | |
|----------------------|------|
| FitSys 18 cartridge | PPSU |
| John Guest cartridge | POM |
| O-ring | |
| FitSys 18 cartridge | FPM |
| John Guest cartridge | EPDM |



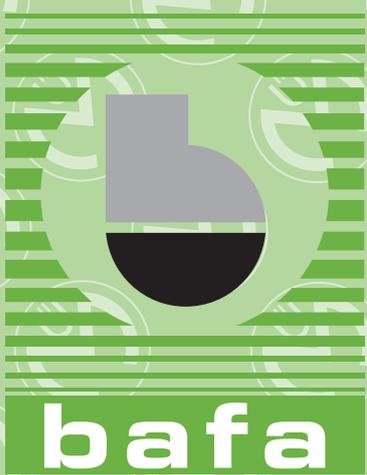
slot for nut
 X = M4 DIN EN ISO 4032
 Y = N 6-32 UNC ANSI B1.1



Options

| | Inlet | Outlet | Length | |
|----------------------|-------|--------|--------|------------|
| | ∅ | ∅ | | |
| FitSys 18 cartridge | 6 | 6 | 55 | on request |
| John Guest cartridge | | | | |
| Fit Sys 18 cartridge | 8 | 8 | 55 | on request |
| John Guest cartridge | | | | |
| John Guest cartridge | 1/4" | 1/4" | 55 | |

The FitSys 18 connections are suitable for medium and ambient temperatures of up to 98°C. The applicability of the John Guest connection to medium- or ambient temperatures higher than 65°C is temporarily feasible, but has to be verified accordingly in the respective application.



technische import

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

BAFA.NL