Series 1.010.126



Solenoid valves Control valves Special valves and systems

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Characteristics

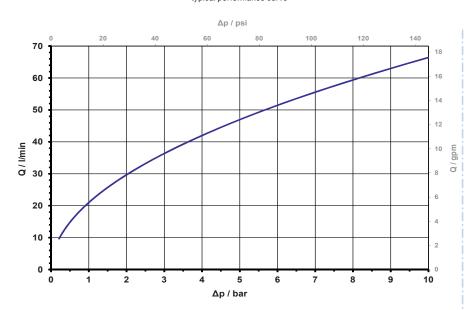
- Servo-controlled
- Normally closed (NC)
- Solenoid replaceable while medium circuit remains untouched, solenoid rotatable 4x90°
- Suitable for hot water up to 90 °C
- Similar performance for alternating or direct current
- Long term performance capability
- Optimized water hammer characteristic by low noise emission according to EN 60730
- High operating safety by the use of high quality materials and 100% final testing of the products

Possible approvals

Approved versions available on request:



typical performance curve



Description

2/2-way solenoid valve of nominal diameter DN 10 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 and can be manufactured with various connections variants as male or female threads and swivel nuts.

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. Protection against corrosion of inner parts exposed to the medium is achieved by using stainless steel.

Applications

- Steam appliances
- Dental appliances

- Hot / cold drink dispensers
- Industrial appliances
- Air conditioning
- Agricultural implements
- Pollution equipment
- Temperature equalisers
- Dish washers
- Ice machines
- Washing machinesWater treatment

1

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Type Construction

Function

T-Medium

T-Ambient

p-Operating

Flow regulator

Pressure surge

Nominal voltages 220 - 240

Cv-value

Coil type

DN

Fitting position Media

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Technical Data

solenoid valve

media

90

70

(60

10

21

110 110 - 127

24 12

24

12

...

0,2 - 10

on request

NC (normally closed)

2/2-way single chamber straight valve, servo-controlled

any, preferably with coil upwardly

physically and chemically similar

°C max.

°C max.

MS.025)

mm

bar

l/min

according to EN 60730

MS.006, MS.024, MS.025

V AC

V AC

V AC

V AC

V AC

V DC

V DC

50-60 Hz

50/60 Hz

50/60 Hz

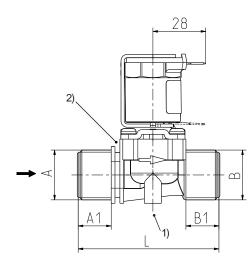
50 Hz

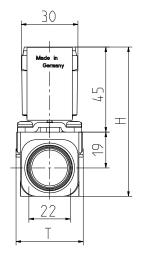
60 Hz

°C max. USA and coils MS.024,

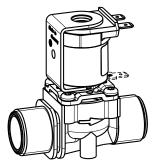
cold and heated potable water and

Series 1.010.126





1) Fixing possibility for self tapping screw Ø 4,2 2) Fixing groove



Materials							
Valve body	PA 66 glass fibre reinforced PA 66 glass fibre reinforced PPE on request PEI on request (T-medium max. 30 °C)						
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)	stainless steel POM on request						

(Tm:65°C;90°C/1h)

	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 II according to				
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)			



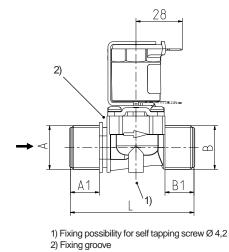
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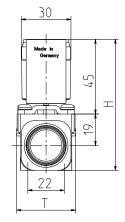
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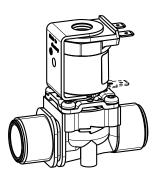
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Valve housing variants with male thread







Options							
Material	Inlet		Outlet		Length	Height	Depth
	ØA	A1	ØB	B1	L	Н	T
					_		
PA 66 or PA6/6	G 3/4	18	G 3/4	18	76	79	36
PA 66 or PA6/6	G 1/2	15	G 1/2	15	70	79	36
PA 66 or PA6/6	G 3/8	13	G 3/8	13	66	79	36
PA 66 or PA6/6	G 3/4	18	G 1/2	15	73	79	36
PA 66 or PA6/6	G 3/4	18	G 3/8	13	71	79	36
PA 66	G 1/2	15	G 3/4	18	73	79	36
PA 66	G 1/2	15	G 3/8	13	68	79	36
PA 66	G 3/8	13	G 3/4	18	71	79	36
PA 66	G 3/8	13	G 1/2	15	68	79	36
PA 66 or PA6/6	G 3/4 (no fixing clip possible)	10	G 3/4	10	55	79	36
PPE	G 3/8	13	G 3/8	13	66	79	36
PA 66	G 3/4	18	G 3/4	10	68	79	36
PA 66 or PA6/6	G 3/8	13	12,0 nozzle	17	70	79	36
PPE	12,0 nozzle	17	12,0 nozzle	17	74	79	36
PA 66 or PA6/6	G 3/4	14,5	G 3/4	14,5	69	79	36
PA 66	G 3/4	18	G 3/4 swivel nut	10,5	87	79	36
PA 66	G 3/4 swivel nut	10,5	G 3/4	18	87	79	36
PA 66	G 3/8	13	G 3/4 swivel nut	10,5	82	79	36
PA 66	G 3/4	18	12,0 nozzle	17	75	79	36
PA 66	G 3/4	18	15,0 nozzle*	30	90	79	36
PA 66	15,0 nozzle*	30	G 3/4	18	88	79	36
PPE	G 1/2	15	G 1/2	15	70	79	36
PPE	G 3/4	18	G 3/4	18	76	79	36
PA 66	3/8" JG**	10	3/8" JG**	10	60	79	36
* Compatible	to modular fitting system	n, series 11.000	or for John Guest				
**John Gues	cartridge in valve body						

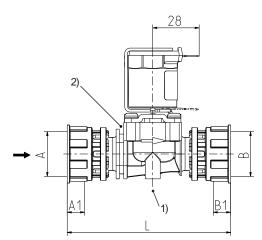
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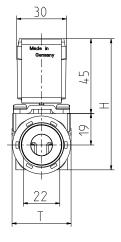
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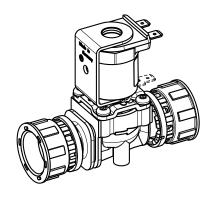
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Valve housing variants with swivel nut







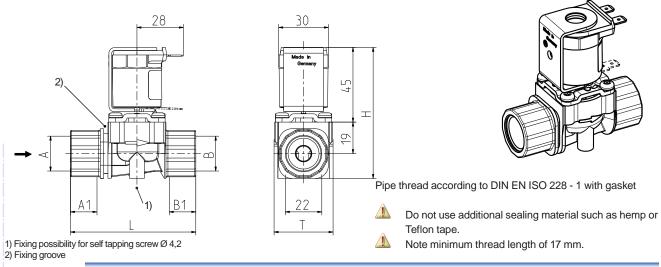
Fixing possibility for self tapping screw Ø 4,2
Fixing groove

4

Options

Material	Inlet		Outlet		Length	Height	Depth
	ØA	A1	ØВ	B1	L	Н	Т
PA 6/6	G 3/4 swivel nut	10,5	G 3/4 swivel nut	10,5	99	79	36
PA 6/6	G 1/2 swivel nut	11,5	G 1/2 swivel nut	11,5	99	79	36
Other variants on request.							

Valve housing variants with female thread



Options							
Material	Inlet		Outlet		Length	Height	Depth
	ØA	A1	ØB	B1	L	Н	Т
PA 6/6	G 1/2 female	16	G 1/2 female	16	76	79	36
Other variant	ts on request.						