

2/2-way solenoid valve stainless steel type EV06



Description:

2/2-way solenoid valve made of stainless steel, with membrane for high flow rates. Ideal for machine and plant engineering. This valve switches at 0 bar (force pilot operated).

Features:

- Suitable for **non-flammable, neutral gases and liquids**
- Consider direction of flow (see arrow)
- Can't be used for applications with counter pressure
- Mounting position: any, preferably solenoid upwards

Connection:

3/8", 1/2", 3/4", 1", 1 1/4",
1 1/2", 2" inch

Control:

Force pilot
operated

Function:

NC – normally closed
NO – normally open

Inlet pressure:

0,0 – 10,0 bar
depending on design

Design:

Seat valve with membrane

Diameter:

DN16 | DN20 | DN25 | DN32 | DN40 | DN50

Connection:

Female thread G 3/8" to G 2"

Body material:

Stainless steel 1.4308

Inner parts:

Stainless steel

Seal:

EPDM | FKM | NBR

Voltage:

230V 50/60Hz | 24V DC | 110V 50Hz

Voltage tolerance:

+/- 10% acc. VDE 0580

Power consumption:

230V 50/60Hz: 20 VA / ab DN32: 57 VA | 24V DC: 20 W / ab DN32: 45 W

Duty:

100 % ED

Plug socket:

IP65 is plug socket mounted DIN EN 175301-803 Form A

Plug:

Cable diameter 6-8 mm, thread PG 9, design A

Viscosity:

≤20CST

Temperature:

Ambient: max. + 50°C

Media: EPDM -10°C to +130°C

FKM -10°C to +120°C

NBR -10°C to +90°C

Versions:

Explosion proof*

For coil (up to DN25, only NC-valves 0 – 6 bar):

II 2G Ex mb IIC T4 Gb, II 2D Ex mb tb IIIC T130°C Db

incl. cable: 3,00 m length and 6,80mm thickness

3-core with 1,00 mm² cable cross section

Vacuum

For applications with vacuum on the outlet only!! Consider flow of direction.

Inlet pressure: 0 to 5 bar

Outlet pressure: -1 to 0 bar

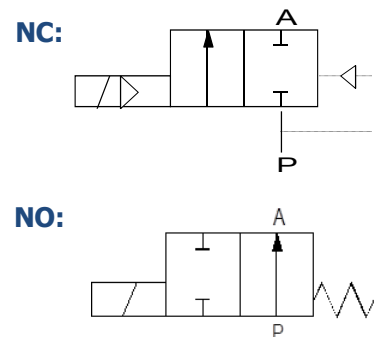
* Explosion protection on the solenoid coil, no ATEX approval as a complete valve. The explosion protection therefore only applies to an explosive atmosphere existing outside the valve.

Pressure ranges:

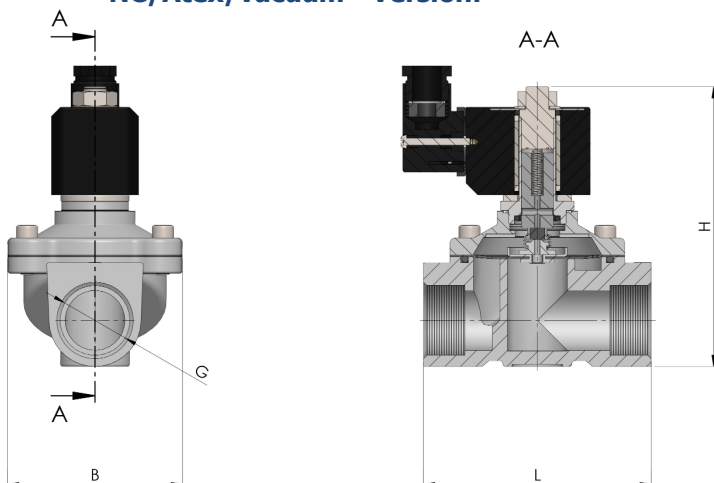
Connection	DN	Max. inlet pressure (in bar)						Flow rate
		NC – normally closed				NO – normally open		
		230V 50Hz	24V DC	Ex-proof	vacuum	230V 50Hz	24V DC	
G 3/8" inch	16	0,0 – 10,0	0,0 – 8,0	0,0 – 6,0	0,0 – 5,0	0,0 – 7,0	0,0 – 5,0	2,9 m³/h
G 1/2" inch	16	0,0 – 10,0	0,0 – 8,0	0,0 – 6,0	0,0 – 5,0	0,0 – 7,0	0,0 – 5,0	2,9 m³/h
G 3/4" inch	20	0,0 – 10,0	0,0 – 8,0	0,0 – 6,0	0,0 – 5,0	0,0 – 7,0	0,0 – 5,0	4,6 m³/h
G 1" inch	25	0,0 – 10,0	0,0 – 8,0	0,0 – 6,0	0,0 – 5,0	0,0 – 7,0	0,0 – 5,0	7,2 m³/h
G 1 1/4" inch	32	0,0 – 10,0	0,0 – 6,0	-	0,0 – 5,0	0,0 – 7,0	0,0 – 5,0	12,2 m³/h
G 1 1/2" inch	40	0,0 – 10,0	0,0 – 6,0	-	0,0 – 5,0	0,0 – 7,0	0,0 – 5,0	14,7 m³/h
G 2" inch	50	0,0 – 10,0	0,0 – 6,0	-	0,0 – 5,0	0,0 – 7,0	0,0 – 5,0	25,9 m³/h

Dimensions:

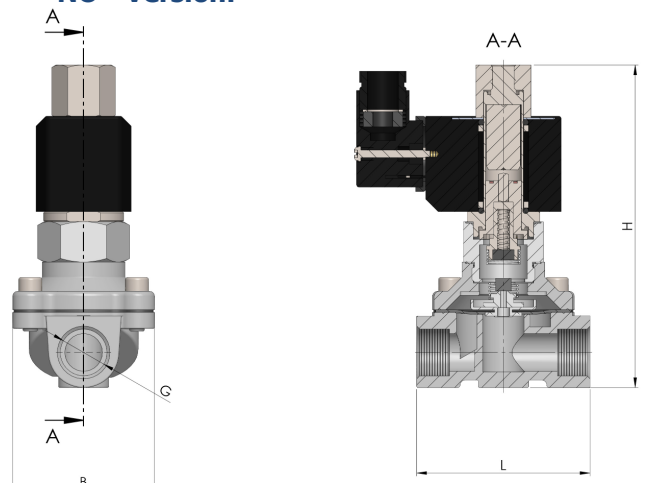
Connection	DN	L	B	H (NC)	H (NO)
G 3/8" inch	16	69	57	106	135
G 1/2" inch	16	69	57	106	135
G 3/4" inch	20	73	57	114	142
G 1" inch	25	99	77	121	150
G 1 1/4" inch	32	112	87	150	180
G 1 1/2" inch	40	123	94	160	190
G 2" inch	50	168	123	183	216



NC/Atex/vacuum - Version:



NO - Version:



Test meeting the requirement of PED acc. to DIN EN 12266-1:

The tightness corresponds to the specified leakage rates*:

Type	Soft seat**
EV06	A

* acc. to EN 12266-1

** Soft Seat: EPDM, FKM, NBR

Options (on request):

- Cleaning: free of oil and grease, silicone, PWIS
- Connection: NPT
- Plug socket with LED
- Special coils: with lead wire (fully encapsulated), special voltages, temperature class H (DN16-25), UL-approval
- With mounting bracket
- With manual override
- With certification for potable water applications (WRAS / NSF)
- Increased pressure range (0 – 8 bar) for NO version for sizes up to 1"

Article number:

Type	Voltage	Seal	Function	Option	Size
EV06	1 – 230V 50Hz 2 – 24V DC 3 – 110V 50Hz*	1 - EPDM 2 – FKM 4 - NBR	0 – NC normally closed 1 – NO normally open	0 – Standard 1 – Ex-proof** 2 – Vacuum***	02 – 3/8" 03 – 1/2" 04 – 3/4" 05 – 1" 06 – 1 1/4" 07 – 1 1/2" 08 – 2"

example No. EV06111004:

EV06	1	1	1	0	04
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2/2 way solenoid valve stainless steel

Voltage: 230V 50Hz

Seal: EPDM

Function: NO normally open

Version: Standard

Size: 3/4"

Note:

Informations about pressure ranges see top of page 2!

* 110V AC version only available as NC – normally closed as Standard version

** Explosion proof only available up to DN25 and as NC – normally closed function

*** Vacuum version only available as NC – normally closed function

Image similar, subject change without notice.