

2/2-way solenoid valve stainless steel type FV01



Description:

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

Product features:

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

Connection:

DN15, DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100

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:

DN15 to DN100

Connection:

Flange acc. to DIN EN 1092-1 (DN65 + DN80: number of holes deviating from standard)

Body material:

Stainless steel 1.4308

Seal:

EPDM | NBR | FKM

Voltage:

230V 50/60Hz | 24 V DC

Voltage tolerance:

+/- 10% acc. VDE 0580

Duty:

100 % ED

Plug socket:

IP65 with plug socket mounted acc. DIN EN 175301-803 Form 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

Options:

Standard

With flange PN10-PN40 (for DN100: PN10-PN16)

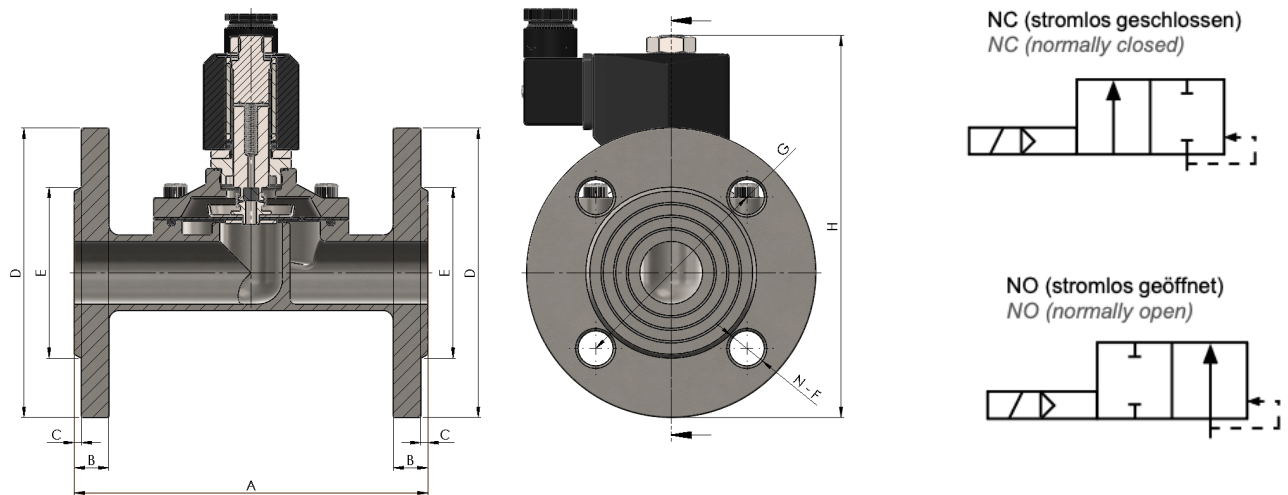
Vacuum

For applications with vacuum on the outlet only!! Consider flow of direction.
Inlet pressure: 0 to 5 bar
Outlet pressure: -1 to 0 bar

Pressure ranges:

DN	Max. inlet pressure (in bar)				KV-value	Power consumption	
	NC – normally closed			NO – normally open		NC	NO
	230V 50/60Hz	24V DC	vacuum				
15	0,0 – 10,0	0,0 – 8,0	0,0 – 5,0	0,0 – 5,0	2,9 m³/h	20 VA / 20 W	33 VA / 20 W
20	0,0 – 10,0	0,0 – 8,0	0,0 – 5,0	0,0 – 5,0	4,6 m³/h	20 VA / 20 W	33 VA / 20 W
25	0,0 – 10,0	0,0 – 8,0	0,0 – 5,0	0,0 – 5,0	7,2 m³/h	20 VA / 20 W	33 VA / 20 W
32	0,0 – 10,0	0,0 – 6,0	0,0 – 5,0	0,0 – 5,0	12,2 m³/h	57 VA / 45 W	70 VA / 55 W
40	0,0 – 10,0	0,0 – 6,0	0,0 – 5,0	0,0 – 5,0	14,7 m³/h	57 VA / 45 W	70 VA / 55 W
50	0,0 – 10,0	0,0 – 6,0	0,0 – 5,0	0,0 – 5,0	25,9 m³/h	57 VA / 45 W	70 VA / 55 W
65	0,0 – 6,0	0,0 – 5,0	-	-	55,9 m³/h	57 VA / 64 W	-
80	0,0 – 6,0	0,0 – 5,0	-	-	57,3 m³/h	57 VA / 64 W	-
100	0,0 – 6,0	0,0 – 5,0	-	-	90,9 m³/h	57 VA / 64 W	-

Dimensions:



DN		A	B	C	øD	øE	N-øF	øG	H		Flange
									NC	NO	
15	1/2"	106	12	2	95	45	4-14	65	138	162	PN10-40
20	3/4"	106	12	2	102	56	4-14	75	141	165	PN10-40
25	1"	140	14	2	115	62	4-14	85	160	180	PN10-40
32	1	152	15	2	135	76	4-18	100	215	235	PN10-40
40	1	152	15	2	145	84	4-18	110	215	240	PN10-40
50	2"	195	16	2	160	98	4-18	125	220	255	PN10-40
65	2	250	19	3	185	118	4-18	145	308	-	PN10-40*
80	3"	270	19	3	202	134	4-18	160	320	-	PN10-40*
100	4"	342	21	3	222	162	8-18	180	345	-	PN10-16

flanges acc. to DIN EN 1092-1

*number of flange holes for nominal size DN65 and DN80 deviating from standard DIN EN1092-1

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

The tightness corresponds to the specified leakage rates*:

Type	Soft seat**
FV01	A

* acc. to EN 12266-1

** soft Seat: EPDM, FKM, NBR

Options (on request):

- Cleaning: free of oil and grease, silicone, PWIS
- Plug socket with LED
- Explosion proof coil (up to. DN25, max. 6 bar inlet pressure):
II 2G Ex mb IIC T4 Gb, II 2D Ex mb tb IIIC T130°C Db
- Special coils: with lead wire (fully encapsulated), special voltages, thermal class H, coil with UL approval
- With manual override

Article number:

Type	Voltage	Seal	Function	options	Size
FV01	1 – 230V 50/60Hz 2 – 24V DC	1 – EPDM 2 – FKM 4 – NBR	0 – NC normally closed 1 – NO normally open*	0 – standard 2 – vacuum**	03 – DN15 04 – DN20 05 – DN25 06 – DN32 07 – DN40 08 – DN50 09 – DN65 10 – DN80 11 – DN100

Example no. FV01120007:

FV01 | **1** | **2** | **0** | **0** | **07**

2/2 way solenoid valve stainless steel

Voltage: 230V 50/60Hz

Seal: FKM

Function: NC normally closed

Version: flange PN10-40

Size: DN40

* NO available up to DN50

** Vacuum version only up to DN50 and with function NC – normally closed available

Image similar, subject change without notice.