



2/2-way solenoid valve

NC - Valve normally closed (as standard)

NO - Valve normally open (as option)

Pilot operated diaphragm valve

The mentioned minimum pressure difference between inlet and outlet is necessary for proper operation.

In standard (NC) the valve closes with spring power.

■ Solenoid valve for gaseous and liquid media

TECHNICAL SPECIFICATIONS

Type of control	Pilot operated, differential pressure necessary
Design	Seat valve with diaphragm seal
Connection	Flanges acc. to EN 1092-1 Form B1/B2 Other flange connections like ASME on request
Installation	Preferable with actuator upright
Pressure	0,3 - 20 bar (see table on page 2)
Medium	Clean, neutral gaseous and liquid media
max. viscosity	22 mm ² /s
Temperature range	Medium: -10 °C / +80 °C Environment: -10 °C / +50 °C Taking into account other influencing parameters
Body material	Cast iron EN-GJL-250 Cast steel GP240 GH St. steel 1.4581
Metallic inner parts	Brass and st. steel
Sealing	NBR, FKM, EPDM
Supply voltage	AC~ 24V, 110V, 230V DC= 12V, 24V Other supply voltages on request
Voltage tolerance	-10% / +10%
Power consumption	.182 = 6,8 Watt .178 = 5,2 Watt ⚡ .032 = 11 Watt .148 = 10 Watt ⚡ .012 = 18 Watt
Protection class	IP65 according to DIN 60529
Duty factor	100% ED-VDE 0580
Connection type	Device plug DIN 43650, cable
Ex-proof	acc. to 2014/34/EU (ATEX)

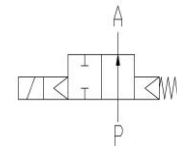
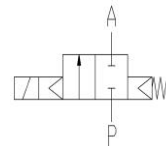
VALVE FEATURES

- Pressure difference is required
- High life time
- Simple compact valve design
- High-quality materials
- Reliable and sturdy sealing elements
- Long-term availability of spare parts

FUNCTION

NC – non energized closed

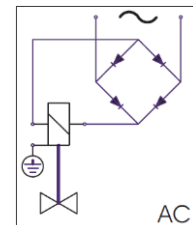
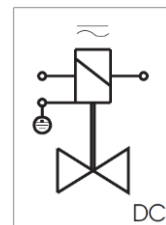
NO – non-energized open



CONNECTION DIAGRAM

For AC/DC coils

For DC coils
w/ integr. rectifier



CERTIFICATES

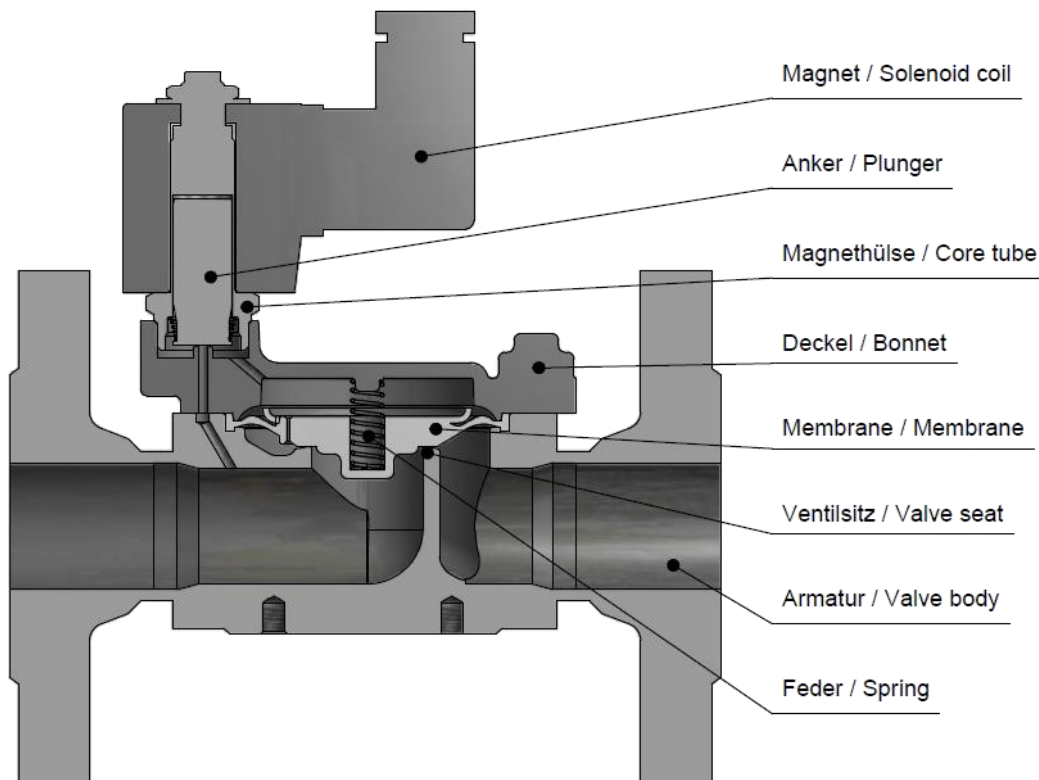


TECHNICAL FEATURES

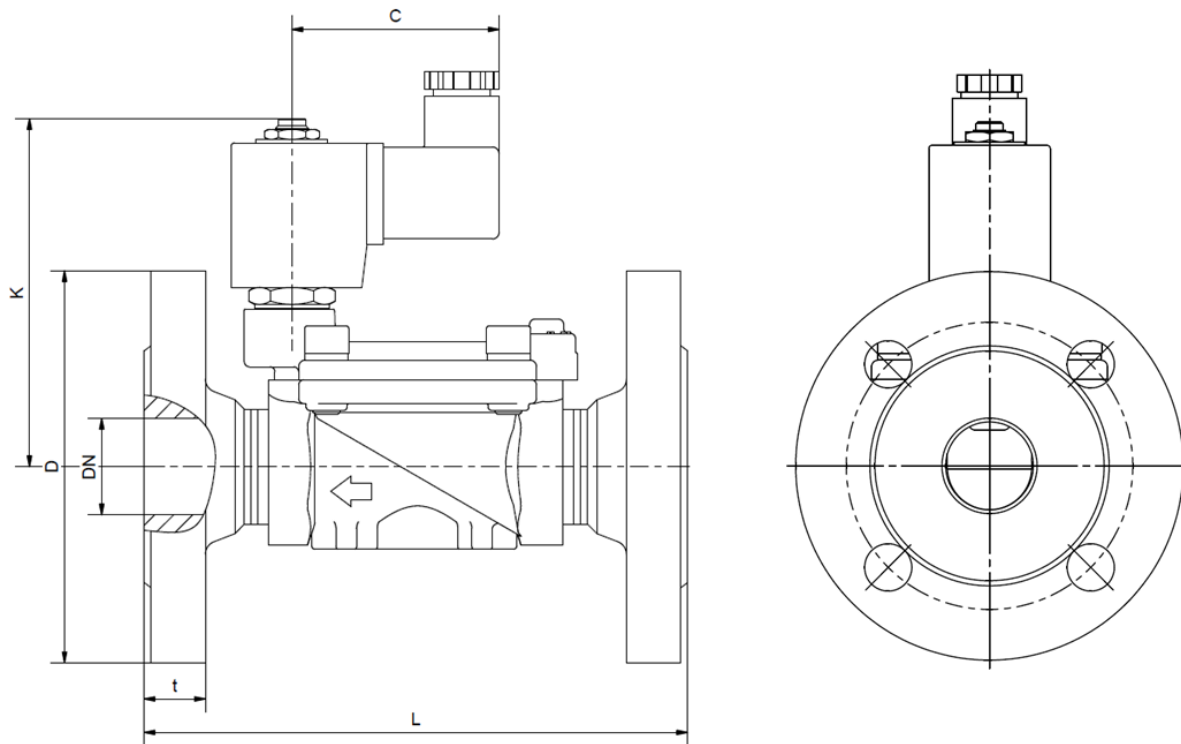
DN	Seat Ø mm	Kv-value m ³ /h	Standard type	max. pressure for coils			max. pressure for coils ATEX		
				.182	.032	.012-NO	.178	.148	.148-NO
15	15	3,9	.2801/..01/	0,3-16	0,3-20	0,3-20	0,3-10	0,3-20	0,3-16
20	20	10,8	.2802/..01/	0,3-16	0,3-20	0,3-20	0,3-10	0,3-20	0,3-16
25	25	13,0	.2803/..01/	0,3-16	0,3-20	0,3-20	0,3-10	0,3-20	0,3-16
32	32	30,0	.2804/..01/	-	0,5-16	0,5-16	-	0,5-16	0,5-13
40	40	32,0	.2805/..01/	-	0,5-16	0,5-16	-	0,5-16	0,5-13
50	50	45,0	.2806/..01/	-	0,5-16	0,5-16	-	0,5-16	0,5-13

The flow rate mentioned in the table applies to the strongest coil.

Max. Pressure range 16 bar with EN-GJL-250 fitting PN16.



DIMENSIONS



Coil	.182 / .032 / .012-NO / .148					
Type	2801	2802	2803	2804	2805	2806
DN	15	20	25	32	40	50
C	61	61	61	61	61	61
K	97	105	105	120	120	135
L	130	150	160	180	200	230
t	16	18	18	18	18	20
kg	2,3	3,3	3,8	6,5	7,0	9,5

*Differing dimension "C" for ATEX coils



INFORMATION

- It is imperative to observe the installation and safety instructions in our operating and service manuals.
- Required ordering information: valve type, function NC/NO, pressure range, connection, nominal width, medium, flow rate, medium and ambient temperatures, connection voltage.
- **For information on the heating and performance of solenoid coils, refer to the corresponding "Coils" data sheet.**
- **Detailed production-specific drawings and other technical information will be made available when an order is placed.**

PLEASE NOTE

Each individual application decides which valve type is required, the main factor being the resistance of the materials to the operating medium. The correct selection of materials requires knowledge of the concentration, temperature and degree of contamination of the medium. Other criteria include the operating pressure and max. volumetric flow, since, in addition to high temperatures, high pressures and high flow rates must also be taken into account when selecting the materials.

All materials used for our valves, be it housing, seals or magnets, will be carefully selected in view of the different application areas. Any information given is non-binding and serves for orientation only. No claims under warranty can be derived therefrom.

ORDERING CODE

Type	Connection		Body	Sealing		Coil				Option
. 28	0 3	/	0 4	0 1	/	.	0 3	2	-	X X

01	DN15
02	DN20
03	DN25
04	DN32
05	DN40
06	DN50

04	EN-GJL-250
05	GP240 GH
08	St. steel 1.4581
01	NBR
02	FKM
06	EPDM

18	10,5 VA / 6,8 W	2	Standard IP65
03	15 VA / 11 W	8	2014/34/EU (ATEX)
01	24 VA / 18,5 W		
17	5,3 VA / 5,2 W		
14	8,5 VA / 10 W		

NO	normally open
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