TYPE 37

2/2-way solenoid valve
NC - Valve normally closed (as standard)
NO - Valve normally open (as option)

Force-pilot operated piston valve
No differential pressure is necessary for operation.
In standard (NC) the valve closes with spring power.

■ **Solenoid valve for gaseous and liquid media**

TECHNICAL SPECIFICATIONS

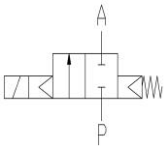
Type of control	Force-pilot operated, no pressure difference necessary
Design	Piston design
Connection	Flanges acc. to EN 1092-1 Form B1/B2 Other flange connections like ASME on request
Installation	Actuator upright
Pressure	0-40 bar (see table on page 2)
Medium	Clean, neutral gaseous and liquid media
max. viscosity	22 mm²/s
Temperature range	Medium -40 °C / +80 °C Environment -40 °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	PTFE
Supply voltage	AC~ 24V, 110V, 230V DC= 12V, 24V Other supply voltages on request
Voltage tolerance	-10% / +10%
Power consumption	.802 = 24 Watt .808 = 24 Watt Ex .322 = 30 Watt .328 = 24 Watt Ex .242 = 46 Watt .248 = 30 Watt Ex .272 = 100Watt .278 = 47 Watt Ex
Protection class	IP65 according to DIN 60529
Duty factor	100% ED-VDE 0580
Connection type	Device plug DIN 43650, terminal box
Ex-proof	acc. to 2014/34/EU (ATEX)

VALVE FEATURES

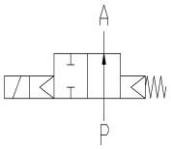
- No pressure difference required
- High life time
- Simple compact valve design
- Reliable and sturdy sealing elements
- Long-term availability of spare parts

FUNCTION

NC – non energized closed

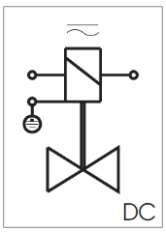


NO – non-energized open

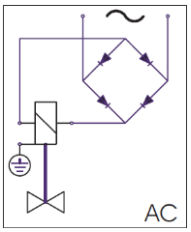


CONNECTION DIAGRAM

For AC/DC coils



For DC coils
w/ integr. rectifier

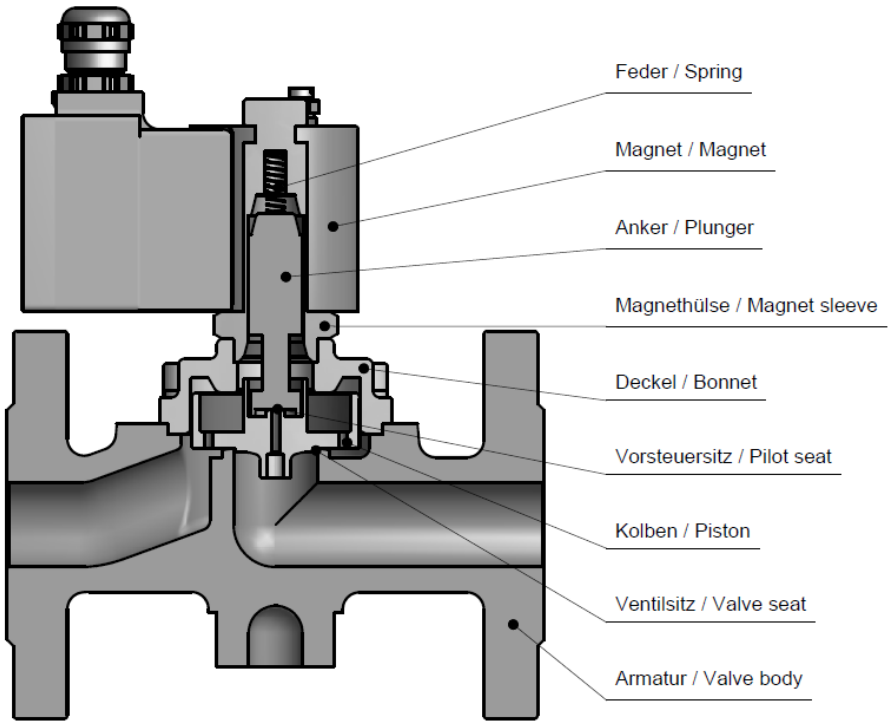


CERTIFICATES

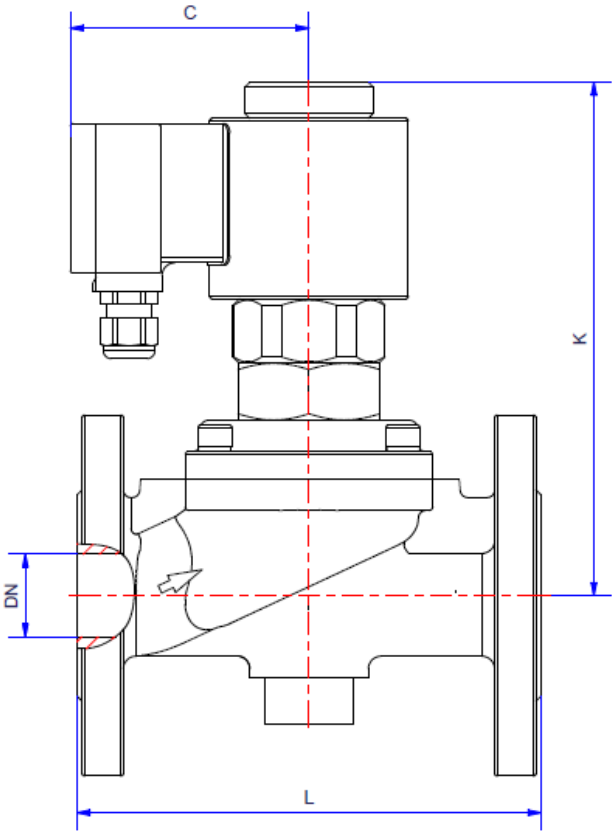
TECHNICAL FEATURES

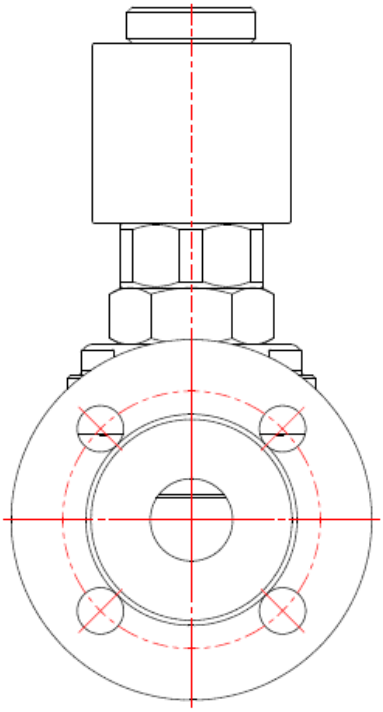
				max. pressure for coils							
DN	Seat Ø mm	Kv-value m³/h	Standard type	.802	.808	.322 *	.328 *	.242	.248	.272	.278
15	15	5,0	.3701/..04/	0-40	0-30	0-40	0-40	-	-	-	-
20	20	11,0	.3702/..04/	0-16	0-16	0-40	0-25	0-40	0-40	-	-
25	25	13,0	.3703/..04/	0-16	0-16	0-40	0-25	0-40	0-40	-	-
32	32	24,0	.3704/..04/	-	-	0-16	0-12	0-35	0-16	0-40	0-40
40	40	27,0	.3705/..04/	-	-	0-16	0-12	0-35	0-16	0-40	0-40
50	50	42,0	.3706/..04/	-	-	0-6	0-2	0-16	0-10	0-40	0-16

The flow rate mentioned in the table applies to the strongest coil.
Max. Pressure range 16 bar with EN-GJL-250 fitting PN16.
* Pressure ranges may be reduced when using options such as manual override or limit switches.



DIMENSIONS





Coil	.802/.808*			.322/.328*					.242/.248			.272/.278		
Type	3701	3702	3703	3702	3703	3704	3705	3706	3704	3705	3706	3704	3705	3706
DN	15	20	25	20	25	32	40	50	32	40	50	32	40	50
C	66	66	66	76	76	76	76	76	93	93	93	105	105	105
K	104	128	128	181	181	156	156	165	200	200	200	250	250	260
L	130	150	160	150	160	180	200	230	180	200	230	180	200	230
kg	5,0	5,5	6,0	5,5	6,0	7,5	7,5	9,5	8,5	9,0	11,5	10,5	11,0	13,5

*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
. 37	0 3	/	0 4	0 4	/ .	8 0	2 -	x x

01	DN15	04	EN-GJL-250	80	24 W	2	Standard IP65	NO	normally open
02	DN20	05	GP240 GH	32	30 W	8	2014/34/EU (ATEX)	HA	manual override
03	DN25	08	St. steel 1.4581	24	46 W			EA	limit switch
04	DN32			27	100 W				
05	DN40	04	PTFE						
06	DN50								

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