TYPE 24TH

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 extended temperature range**

TECHNICAL SPECIFICATIONS

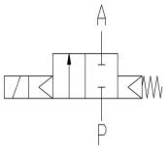
Type of control	Force-pilot operated, no pressure difference necessary
Design	Piston design
Connection	FlangesDN65 - DN200 EN 1092-1 Form B1/B2
Installation	Actuator upright
Pressure	0 - 40 bar (see table on page 2)
Medium	Clean, neutral gaseous and liquid media
max. viscosity	22 mm²/s
Temperature range	Medium: -40 °C / +200 °C Environment: -40 °C / +50 °C Taking into account other influencing parameters
Body material	Ductile cast iron EN-GJS-400-18-LT Cast iron EN-GJL-250 Cast steel GP240 GH Stainless steel 1.4581
Metallic inner parts	Brass and st. steel
Sealing	PTFE
Supply voltage	AC~ 24V, 110V, 230V via external rectifier (included in delivery) DC= 12V, 24V Other supply voltages on request
Voltage tolerance	-10% / +10%
Power consumption	T272 = 60 Watt T352 = 80 Watt T402 =180 Watt
Protection class	IP65 according to DIN 60529
Duty factor	100% ED-VDE 0580
Connection type	terminal box

VALVE FEATURES

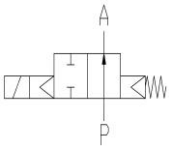
- For media temperatures up to +200 °C
- No pressure difference is required
- High life time
- High-quality materials
- Reliable and sturdy sealing elements

FUNCTION

NC – non energized closed

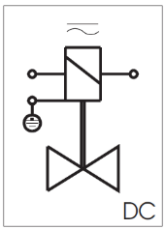


NO – non-energized open

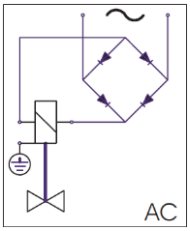


CONNECTION DIAGRAM

For AC/DC coils



For DC coils
w/ integr. rectifier

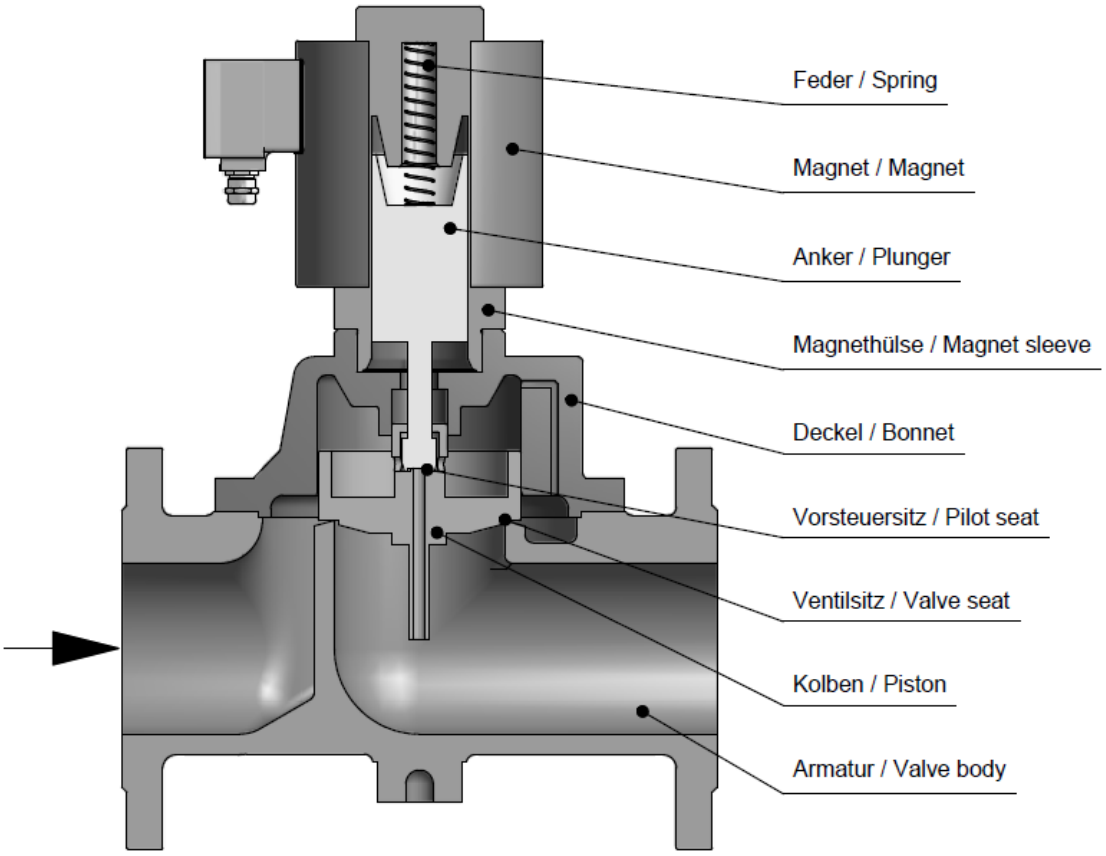


CERTIFICATES

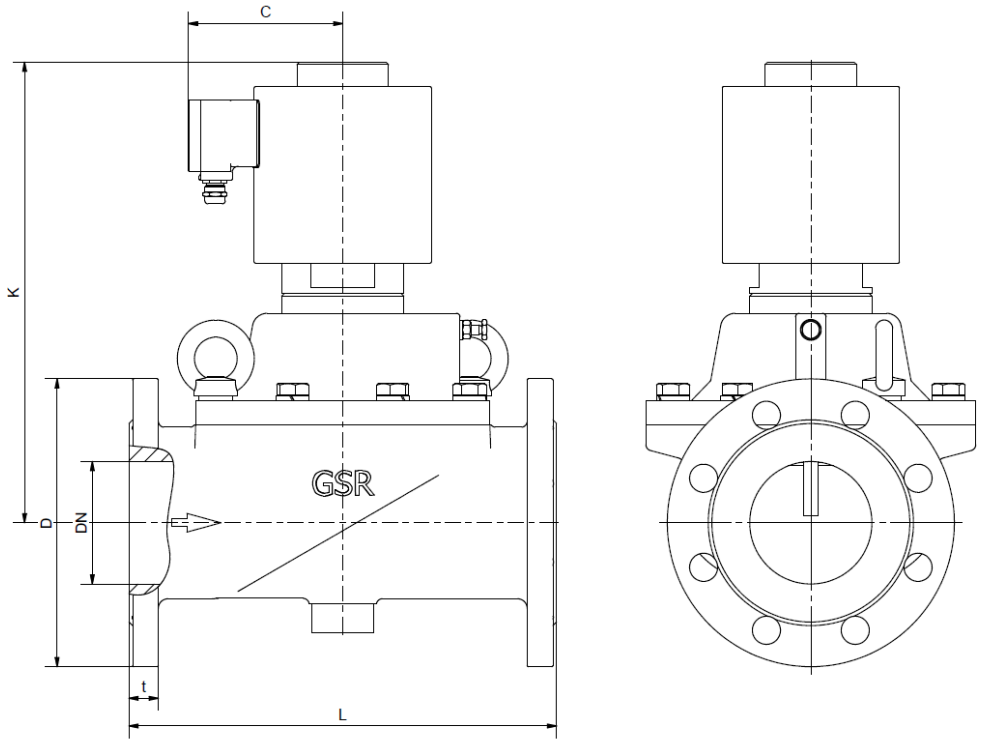
TECHNICAL FEATURES

				max. pressure for coils		
DN	Seat Ø mm	Kv-value m³/h	Standard type	T272	T352	T402
65	65	75,0	.2407/..04/	0-25	0-40	-
80	80	97,0	.2408/..04/	0-16	0-40	-
100	100	143,0	.2409/..04/	0-12	0-20	-
125	125	240,0	.2410/..04/	-	0-9	0-25
150	150	370,0	.2411/..04/	-	0-4	0-25
200	200	625,0	.2412/..04/	-	-	0-20

The flow rate mentioned in the table applies to the strongest coil.
Maximum pressure 0-13 bar with EN-GJL-250 fitting PN16



DIMENSIONS



Body PN16

Coil	T272			T352					T402		
Type	2407	2408	2409	2407	2408	2409	2410	2411	2410	2411	2412
DN	65	80	100	65	80	100	125	150	125	150	200
C	107	107	107	120	120	120	120	120	160	160	160
D	185	200	220	185	200	235	270	285	250	285	340
K	295	295	360	390	390	380	350	420	580	615	680
L	290	310	350	290	310	350	400	480	400	480	600
t	18	20	20	18	20	20	26	26	26	26	30
kg	29,0	39,5	55,0	45,0	53,5	64,5	72,5	84,0	133,5	157,0	208,0

Body PN40

Coil	T272			T352					T402		
Type	2407	2408	2409	2407	2408	2409	2410	2411	2410	2411	2412
DN	65	80	100	65	80	100	125	150	125	150	200
C	107	107	107	120	120	120	120	120	160	160	160
D	185	200	220	185	200	235	270	300	270	300	375
K	295	295	360	390	390	380	350	420	580	615	680
L	290	310	350	290	310	350	400	480	400	480	600
t	22	24	24	22	24	24	26	28	26	28	34
kg	29,0	39,5	55,0	45,0	53,5	64,5	72,5	84,0	133,5	157,0	208,0

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
.24	09	/	04	04	/ T	27	2	- TH

07	DN65	03	EN-GJS-400-18-LT	27	60 W	2	Standard IP65		
08	DN80	04	EN-GJL-250	35	80 W				
09	DN100	05	GP240 GH	40	180 W			TH	+180 °C
10	DN125	08	St.steel 1.4581					EL	+200 °C
11	DN150								
12	DN200	04	PTFE						

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