

TYPE K24



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	Flanges DN65 - DN100 EN 1092-1 Form B1/B2 <small>Other flange connections like ASME on request</small>
Installation	Actuator upright
Pressure	0 - 40 bar (see table on page 2)
Medium	Clean, neutral gaseous and liquid media
Max. viscosity	22 mm ² /s
Temperature range	Medium: -60 °C / +80 °C Environment: -55 °C / +50 °C <small>Taking into account other influencing parameters</small>
Body material	Stainless steel 1.4581
Metallic inner parts	Stainless steel
Sealing	PTFE
Supply voltage	AC~ 24V, 110V, 230V DC= 12V, 24V <small>Other supply voltages on request</small>
Voltage tolerance	-10% / +10%
Power consumption	S242 = 46 Watt .248 = 30 Watt ☹️ S272 = 100 Watt .278 = 47 Watt ☹️ S352 = 150 Watt .358 = 75 Watt ☹️
Protection class	IP65 according to DIN 60529
Duty factor	100% ED-VDE 0580
Connection type	terminal box
Ex-proof	acc. to 2014/34/EU (ATEX)

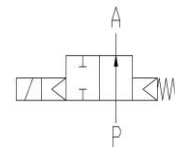
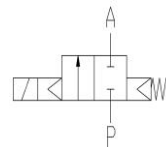
VALVE FEATURES

- For cold media to -60 °C
- No pressure difference is required
- High life time
- High-quality materials
- Reliable and sturdy sealing elements

FUNCTION

NC – non energized closed

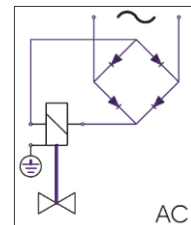
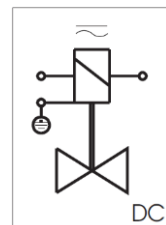
NO – non-energized open



CONNECTION DIAGRAM

For AC/DC coils

For DC coils
w/ integr. rectifier



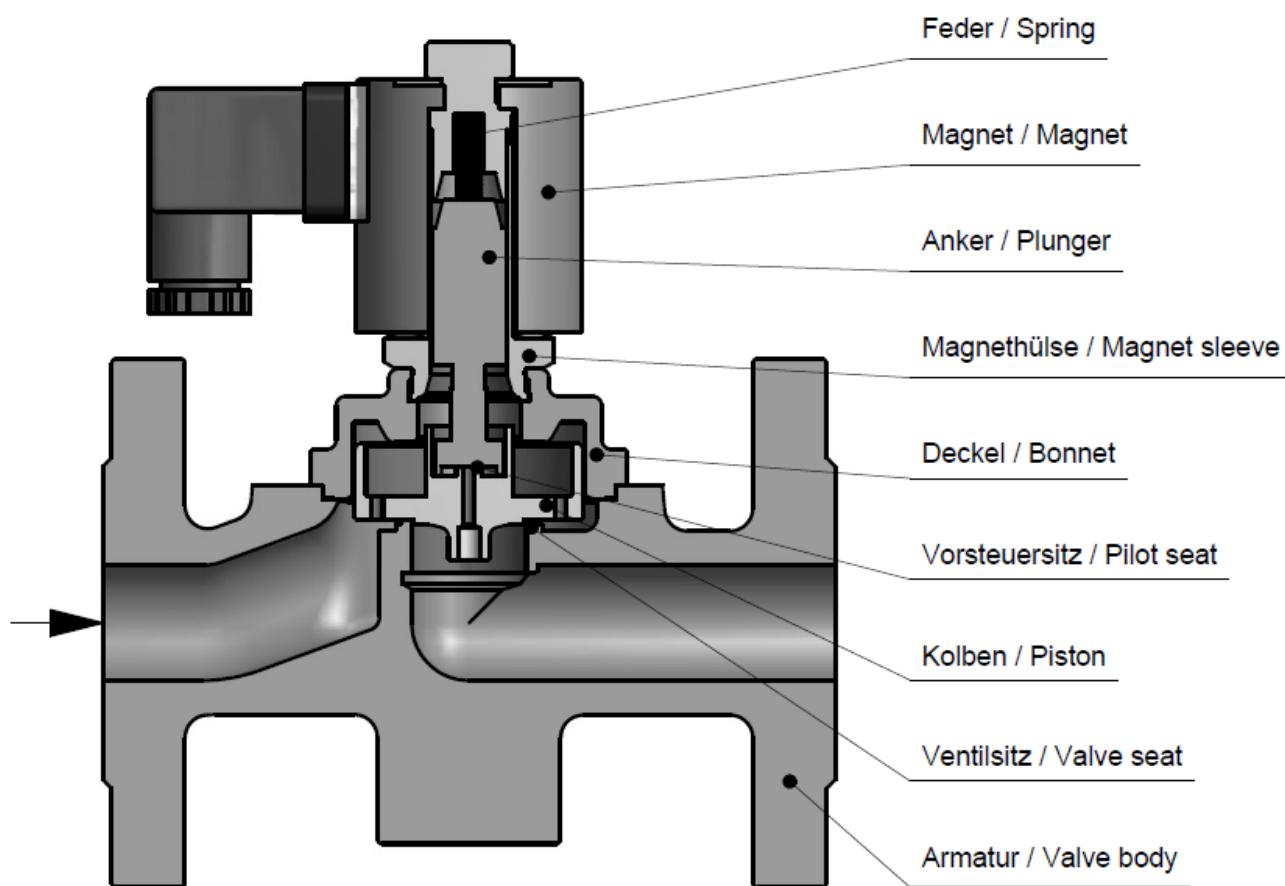
CERTIFICATES



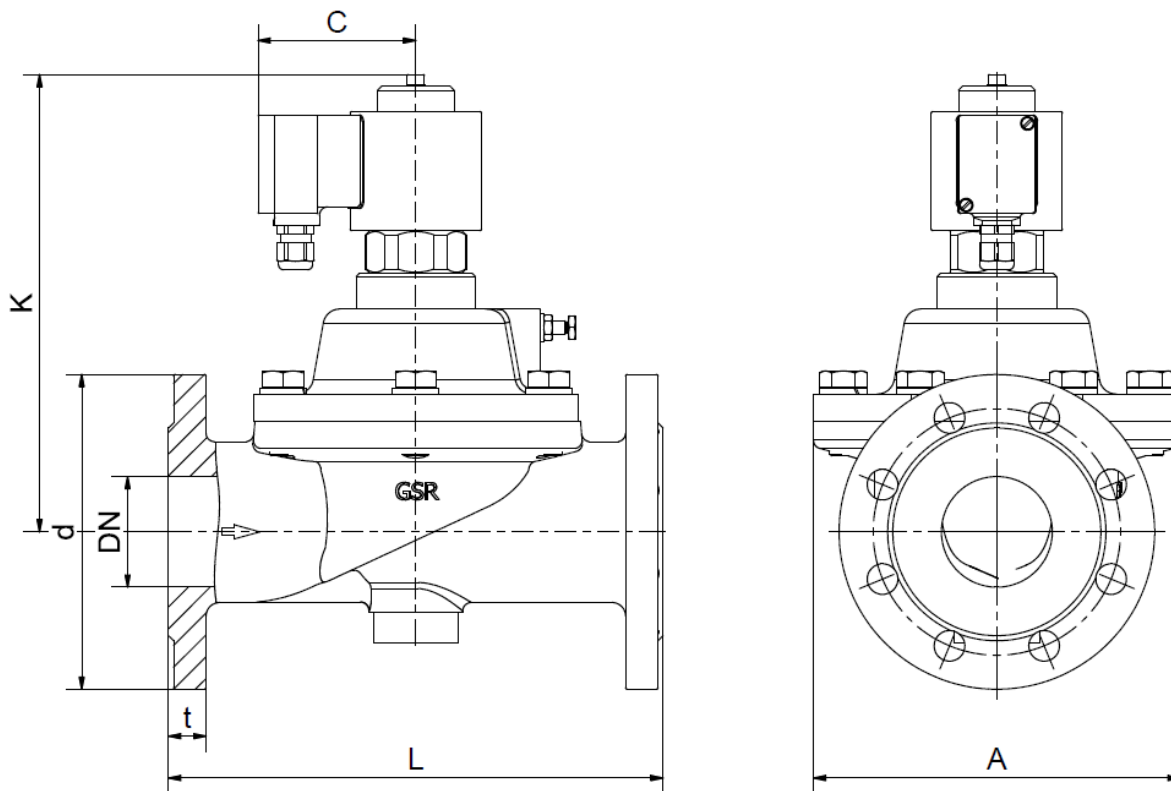
TECHNICAL FEATURES

DN	Kv-value m ³ /h	Standard type	max. pressure for coils			max. pressure for coils ATEX		
			S242	S272	S352	.248	.278	.358
65	75,0	K2407/0804/	0-10	0-30	0-40	-	0-16	0-30
80	97,0	K2408/0804/	0-10	0-21	0-40	-	0-12	0-21
100	143,0	K2409/0804/	-	0-12	0-40	-	0-6	0-12

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



DIMENSIONS



Coil	S242/.248		S272/.278			S352 / .358		
	K2407	K2408	K2407	K2408	K2409	K2407	K2408	K2409
DN	65	80	65	80	100	65	80	100
A	215	245	215	245	270	215	245	270
C	93	93	107	107	107	127	127	127
d	185	200	185	200	235	185	200	235
K	252	252	284	316	294	344	355	380
L	290	310	290	310	350	290	310	350
t	22	24	22	24	24	22	24	24
kg	29,0	25,4	32,7	30,3	42,7	43,0	41,0	52,0

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	
K 24	0 7	/	0 8	0 4	/	S	2 4	2	-	X X

07	DN65	08	St.steel 1.4581	24	46 W	2	Standard IP65
08	DN80			27	100 W	8	2014/34/EU (ATEX)
09	DN100	04	PTFE	35	150 W		

NO	normally open
AX	ANSI Flanges