



3/2-way solenoid valve

NC - Valve normally closed (as standard)

NO - Valve normally open (as option)

UN - Universal design (as option)

Direct controlled valve.

No differential pressure is necessary for operation. When energized, the valve seat is opened directly.

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

■ Solenoid valve for gaseous and liquid media

TECHNICAL SPECIFICATIONS

Type of control	Direct operated, no pressure difference necessary
Design	Piston design
Connection	Sleeve connection G1/4 DIN ISO 228/1 (BSP) <small>Further connections like NPT 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: -10 °C / +80 °C Environment: -10 °C / +35 °C <small>Taking into account other influencing parameters</small>
Body material	Brass 2.0402 St. steel 1.4408
Metallic inner parts	Brass and st. steel
Sealing	FKM
Supply voltage	AC~ 24V, 110V, 230V DC= 12V, 24V <small>Other supply voltages on request</small>
Voltage tolerance	-10% / +10%
Power consumption	.012 = 18,5 Watt .148 = 10 Watt
Protection class	IP65 according to DIN 60529
Duty factor	100% ED-VDE 0580
Connection type	Device plug DIN 43650
Ex-proof	acc. to 2014/34/EU (ATEX)

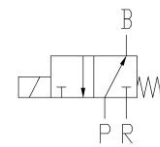
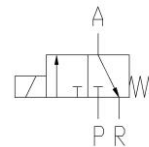
VALVE FEATURES

- 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

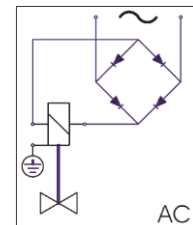
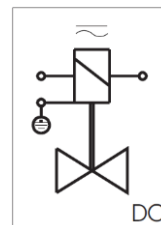
NO – non-energized open



CONNECTION DIAGRAM

For AC/DC coils

For DC coils
w/ integr. rectifier



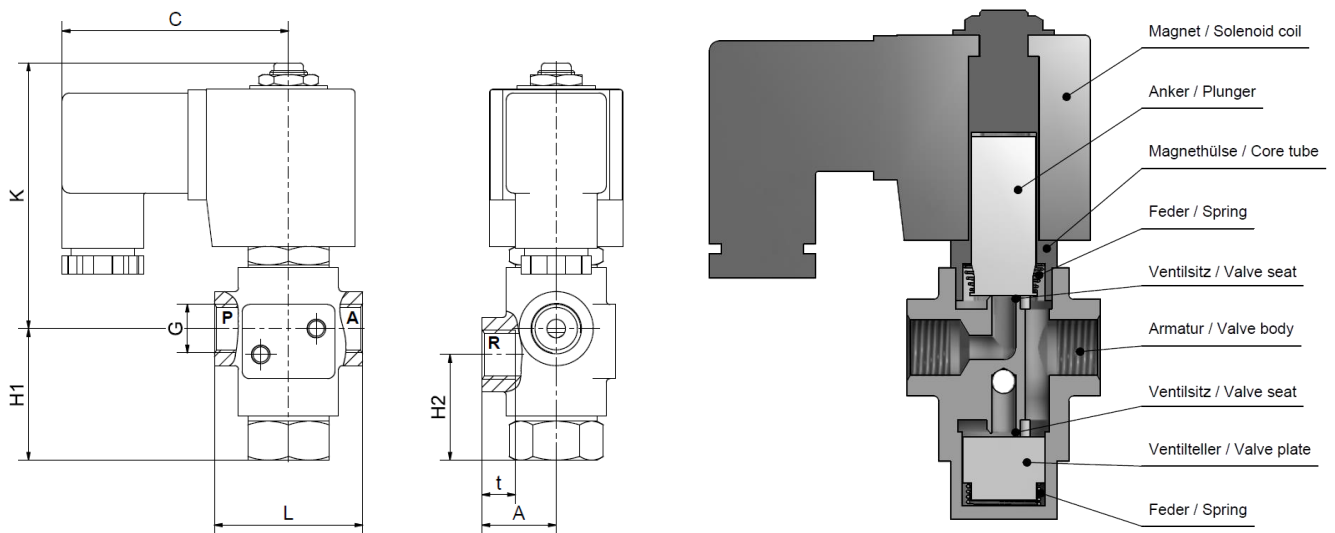
CERTIFICATES



TECHNICAL FEATURES

Seat Ø mm	Kv-value m³/h	Standard type	max. pressure for coils NC		NO		UN	
			.012	.148 ATEX	.012-NO	.148-NO ATEX	.012-UN	.148-UN ATEX
1,0	0,06	.7540/..02/	0-40	0-40	0-40	0-40	0-28	0-20
1,5	0,09	.7541/..02/	0-36	0-32	0-20	0-32	0-20	0-10
2,0	0,13	.7542/..02/	0-28	0-20	0-12	0-20	0-12	0-8
2,5	0,16	.7543/..02/	0-18	0-14	0-9	0-14	0-9	0-7
3,0	0,20	.7544/..02/	0-15	0-10	0-6,5	0-10	0-6,5	0-4
4,0	0,35	.7545/..02/	0-9	0-7	0-8	0-7	0-4	0-3
5,0	0,50	.7546/..02/	0-6	0-4	0-5	0-4	0-2,5	-

DIMENSIONS



Coil	.012 / .148*
Type	.7540-46/1002/
G	1/4
A	20
C	61
H1	36
H2	29
K	72
L	40
t	9
kg	0,7

*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	
. 75	4 0	/	1 0	0 2	/	.	0 1	2	-	X X

4 .	G 1/4
. 0	1.0 mm
. 1	1.5 mm
. 2	2.0 mm
. 3	2.5 mm
. 4	3.0 mm
. 5	4.0 mm
. 6	5.0 mm

08	St. steel 1.4408
10	Brass 2.0402

01	24 VA / 18,5 W	2	Standard IP65
14	8,5 VA / 10 W	8	2014/34/EU (ATEX)

02	FKM
04	PTFE (NC only)

UN	universal function
HA	manual override