



2/2-way solenoid valve
 NC - Valve normally closed (as standard)
 NO - Valve normally open (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	Poppet design
Connection	Sleeve connection Rp3/8 - Rp3 DIN 2999 (BSP) <small>Further connections like NPT on request</small>
Installation	Actuator upright
Pressure	0-5 bar (see table on page 2)
Medium	Clean, neutral gaseous and liquid media
max. viscosity	22 mm ² /s
Temperature range	Medium: -40 °C / +80 °C Environment: -40 °C / +50 °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	NBR, FKM, PTFE, EPDM
Supply voltage	AC~ 24V, 110V, 230V DC= 12V, 24V <small>Other supply voltages on request</small>
Voltage tolerance	-10% / +10%
Power consumption	.012 = 18 W .148 = 10 W ☹ .802 = 24 W .808 = 24 W ☹ .322 = 30 W .328 = 24 W ☹ .242 = 46 W .248 = 30 W ☹ .272 = 100 W .278 = 47 W ☹ .352 = 150 W .358 = 75 W ☹
Protection class	IP65 according to DIN 60529
Duty factor	100% ED-VDE 0580
Protection class	Device plug DIN 43650, terminal box
Ex-proof	acc. to 2014/34/EU (ATEX)

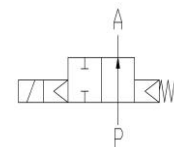
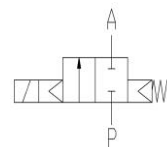
VALVE FEATURES

- 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

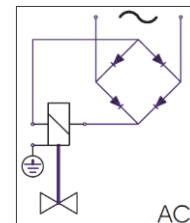
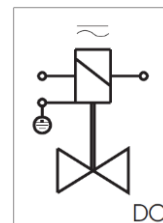
NO – non-energized open



CONNECTION DIAGRAM

For AC/DC coils

For DC coils
w/ integr. rectifier



CERTIFICATES



TECHNICAL FEATURES



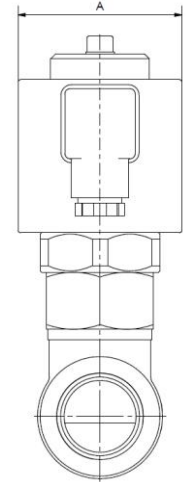
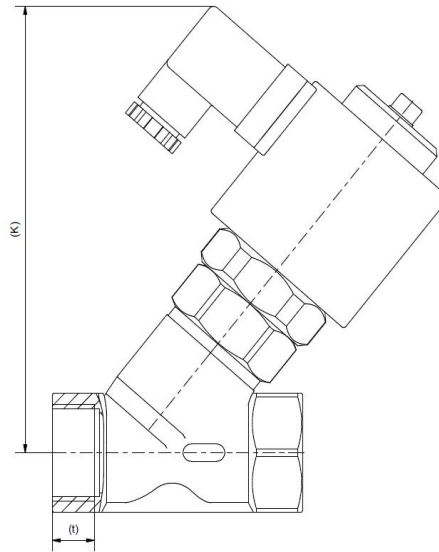
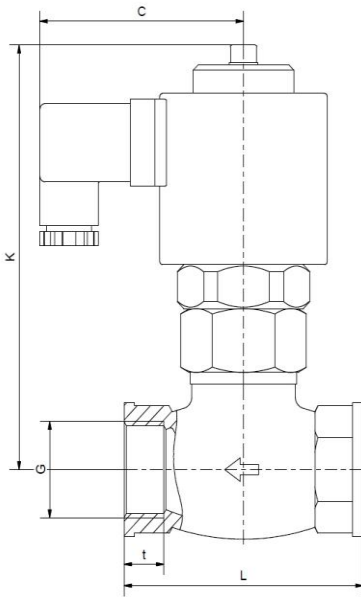
Rp	Seat Ø mm mm	Kv-value m³/h	Standard type	max. pressure for coils					
				.012	.802	.322	.242	.272	.352
3/8	8	1,2	.4858/..01/...	0-3	0-5	-	-	-	-
3/8	10	2,1	.4859/..01/...	0-2	0-3	-	-	-	-
1/2	8	1,2	.4868/..01/...	0-3	0-5	-	-	-	-
1/2	10	2,1	.4869/..01/...	0-2	0-3	-	-	-	-
1/2	13	3,2	.4823/..01/...	-	0-1	0-2	0-5	-	-
3/4	18	4,9	.4824/..01/...	-	0-0,4	0-1	0,2,5	0-5	-
1	24	8,5	.4825/..01/...	-	0-0,3	0-0,5	0-1	0-1,6	-
1 1/4	29	15,0	.4826/..01/...	-	-	0-0,3	0-0,6	0-1	-
1 1/2	35	20,0	.4827/..01/...	-	-	0-0,1	0-0,3	0-0,5	0-0,8
2	45	30,0	.4828/..01/...	-	-	-	0-0,15	0-0,4	0-1
2 1/2	62	58,0	.4829/1001/...	-	-	-	-	0-0,15	0-0,4
3	75	60,0	.4830/1001/...	-	-	-	-	0-0,1	0-0,3

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

Rp	Seat Ø mm mm	Kv-value m³/h	Standard type	max. pressure for coils ATEX					
				.148	.808	.328	.248	.278	.358
3/8	8	1,2	.4858/..01/...	0-1	0-5	-	-	-	-
3/8	10	2,1	.4859/..01/...	0-0,5	0-3	-	-	-	-
1/2	8	1,2	.4868/..01/...	0-1	0-5	-	-	-	-
1/2	10	2,1	.4869/..01/...	0-0,5	0-3	-	-	-	-
1/2	13	3,2	.4823/..01/...	-	0-1	-	-	-	-
3/4	18	4,9	.4824/..01/...	-	0-0,4	0-0,8	-	-	-
1	24	8,5	.4825/..01/...	-	0-0,3	0-0,5	0-0,7	0-1	-
1 1/4	29	15,0	.4826/..01/...	-	-	0-0,1	0-0,3	0-0,8	-
1 1/2	35	20,0	.4827/..01/...	-	-	-	0-0,2	0-0,3	-
2	45	30,0	.4828/..01/...	-	-	-	-	0-0,2	0-0,35
2 1/2	62	58,0	.4829/1001/...	-	-	-	-	-	0-0,15
3	75	60,0	.4830/1001/...	-	-	-	-	-	0-0,1

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

DIMENSIONS



Coil	.012/.148*			.802/.808*			.322/.328*				
Type	4858-9	4868-9	4858-9	4823	4824	4825	4823	4824	4825	4826	4827
G	3/8	1/2	3/8-1/2	1/2	3/4	1	1/2	3/4	1	1 1/4	1 1/2
A	36	36	50	50	50	50	63	63	63	63	63
C	61	61	70	70	70	70	77	77	77	77	77
K	75	75	92	107 (125)	113 (129)	117 (133)	137 (145)	139 (152)	147 (154)	149 (160)	144 (164)
L	54	54	54	65	75	90	65	75	90	110	120
t	10	10	10	11 (12)	12 (13)	14 (15)	11 (12)	12 (13)	14 (15)	16 (17)	18 (19)
kg	0,6	0,6	1	1,1	1,2	1,5	2	2	2,3	2,6	3

Values in brackets apply to the stainless steel angle seat version

*Differing dimension "C" for ATEX coils

Coil	.242/.248					.272/.278					
Type	4824	4825	4826	4827	4828	4825	4826	4827	4828	4829	4830
G	3/4	1	1 1/4	1 1/2	2	1	1 1/4	1 1/2	2	2 1/2	3
A	77	77	77	77	77	105	105	105	105	105	105
C	93	93	93	93	93	107	107	107	107	107	107
K	166 (179)	165 (184)	170 (192)	180 (190)	178 (203)	197 (207)	200 (210)	203 (231)	211 (225)	217	223
L	75	90	110	120	150	90	110	120	150	175	200
t	12 (13)	14 (15)	16 (17)	18 (19)	20 (21)	14 (15)	16 (17)	18 (19)	20 (21)	19	22
kg	3,4 (3,5)	4,0 (3,7)	4,2 (4,3)	4,6 (4,5)	5,3 (5,7)	7,7 (7,8)	7,8 (8,2)	8,3 (8,8)	9,1 (9,8)	10,6	12,9

Values in brackets apply to the stainless steel angle seat version

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
. 48	2 3	/	1 0	0 1	/	. 8 0 2	-	X X

58	G 3/8 8 mm
59	G 3/8 10 mm
68	G 1/2 8 mm
69	G 1/2 10 mm
21	G 1/4
22	G 3/8
23	G 1/2
24	G 3/4
25	G 1
26	G 1 1/4
27	G 1 1/2
28	G 2
29	G 2 1/2
30	G 3

08	St. steel 1.4408
10	Brass 2.0402
01	NBR
02	FKM
04	PTFE
06	EPDM

01	18,5 W
14	10 W
80	24 W
32	30 W
24	46 W
27	100 W
35	150 W

2	Standard IP65
8	2014/34/EU (ATEX)

NO	normally open
HA	manual override

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