2/2 - way solenoid valve - combined operated
series SL066, SL076, SL079

TECHNICAL SPECIFICATIONS

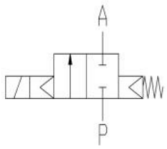
Type of control	Force-pilot operated, no pressure difference necessary
Design	Diaphragm design
Connection	Flanged acc. to EN 1092-1 Form B1/B2
Installation	With actuator upright
Pressure	0 - 16 bar (see table on page 2)
Medium	Clean, neutral, gaseous and liquid media
Viscosity	22 mm²/s
Temperature range	Medium: -10 °C up to +80 °C Ambient: -10 °C up to +50 °C
Body material	Cast iron EN-GJL-250 (DN20-150) Cast steel GP240 GH (DN15-100) Speroidal EN-GJS-400-18-LT (DN150) Stainless steel 1.4581 (DN15-50)
Metallic inner parts	Brass and Staineless steel
Sealing	NBR, FKM, EPDM
Supply voltage	AC~ 24V, 110V, 230V DC= 12V, 24V Other supply voltages on request
Voltage tolerance	-10% / +10%
Power consumption	1 =11 Watt 2 = 18,5 Watt 3 = 25 Watt 4 = 30 Watt 5 = 46 Watt 6 = 100 Watt 7 =10 Watt 8 = 24 Watt 9 = 24 Watt 10 = 30 Watt 11 = 47 Watt
Protection class	IP65 acc. to DIN 60529
Duty factor	100% ED-VDE 0580
Connection type	Plug, Terminal box
Ex-proof	acc. to 2014/34/EG(ATEX) Further Ex-proof on request

VALVE FEATURES

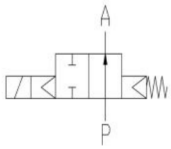
- No pressure difference required
- High life time
- Simple compact valve design
- Low weight
- High-quality materials
- Reliable and sturdy sealing elements
- Long-term availability of spare parts

FUNCTION

NC – non energized closed



NO – non-energized open



CERTIFICATES

9

Abbildungen unverbindlich, Konstruktions-, Maß- und Werkstoffänderungen vorbehalten
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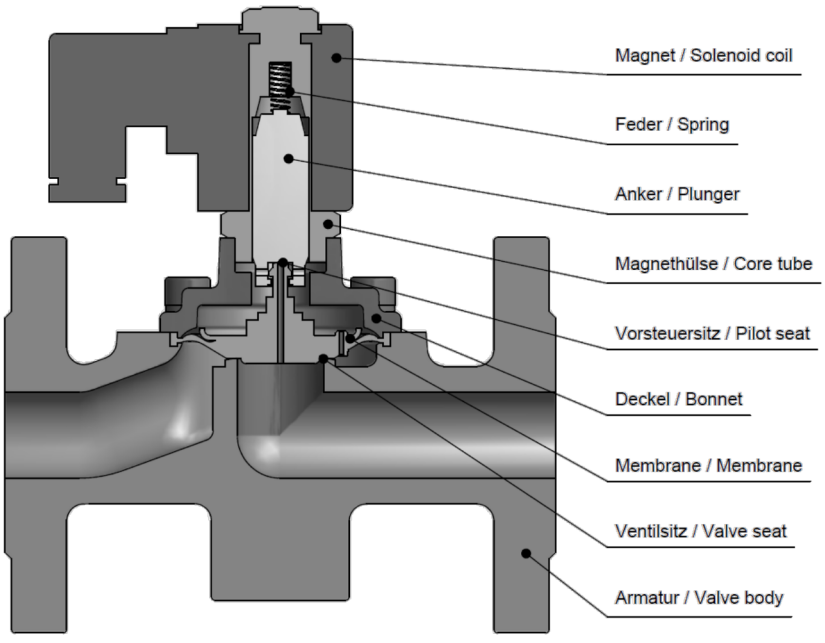
TECHNICAL FEATURES

		max. pressure for coils						
DN	Kv-value m³/h	1	2	3	4	5	6	7
15	3,9	0-10	0-16	0-16	-	-	-	-
20	10,8	0-6	0-10	0-16	-	-	-	-
25	13,0	0-6	0-10	0-16	-	-	-	-
32	30,0	-	-	-	0-10	0-16	0-16	-
40	32,0	-	-	-	0-10	0-16	0-16	-
50	45,0	-	-	-	0-6	0-16	0-16	-
80	97,0	-	-	-	-	0-2	0-3	-
100	143,0	-	-	-	-	-	0-2	-
150	370,0	-	-	-	-	-	0-2	0-2

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

		max. pressure for coils ATEX					
DN	Kv-value m³/h	8	9	10	11	12	13
15	3,9	0-8	0-16	-	-	-	-
20	10,8	0-5	0-16	-	-	-	-
25	13,0	0-5	0-16	-	-	-	-
32	30,0	-	-	0-3	0-10	0-16	-
40	32,0	-	-	0-3	0-10	0-16	-
50	45,0	-	-	0-3	0-6	0-16	-
80	97,0	-	-	-	-	0-2	-
100	143,0	-	-	-	-	-	0-2
150	370,0	-	-	-	-	-	0-2

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



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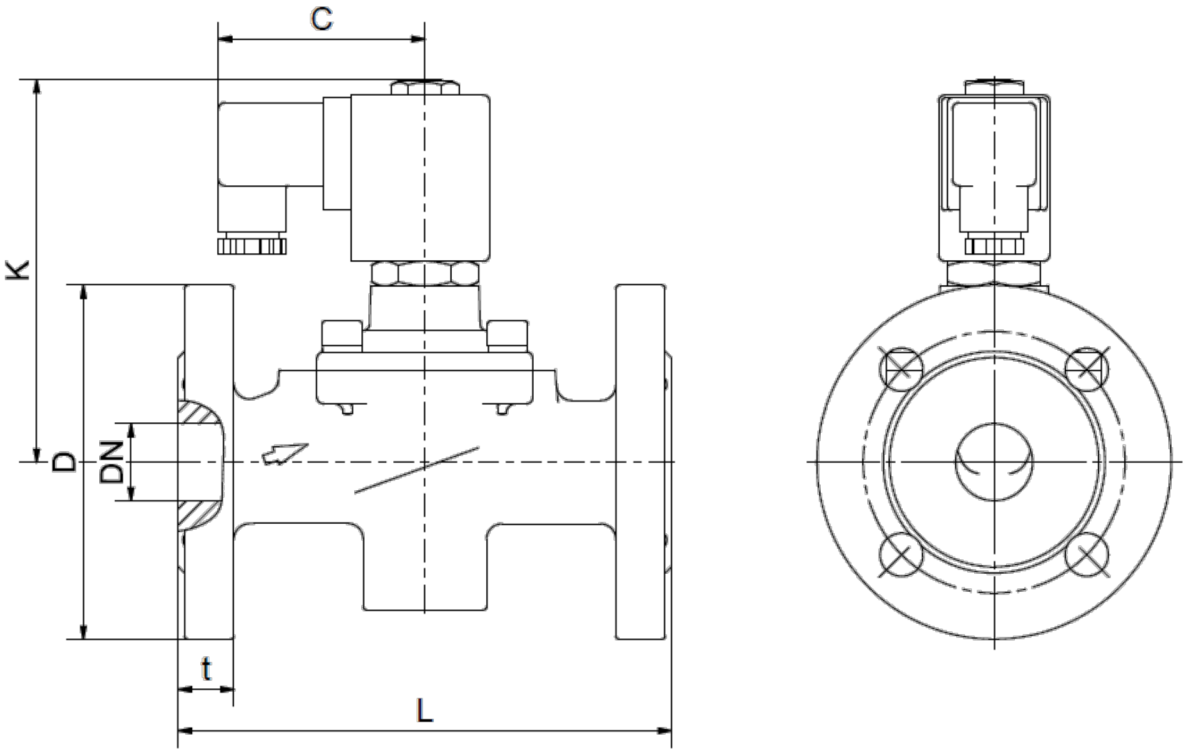
DIMENSIONS



Coil	1 / 2 / 8*			3 / 9*			4 / 10*		
DN	15	20	25	15	20	25	32	40	50
C	61	61	61	67	67	67	77	77	77
D	95	105	115	95	105	115	140	150	165
K	94 (86)	100 (96)	100 (96)	114 (106)	127 (122)	127 (122)	184 (172)	184 (172)	192 (179)
L	130	150	160	130	150	160	180	200	230
t	16	18	18	16	18	18	18	18	20
kg	2,8	3,9	4,5	3,1	4,2	4,8	8,8	9,3	12,1

*Differing dimension “C“ for ATEX-coils

Coil	5 / 11				6 / 12					7(13)
DN	32	40	50	80	32	40	50	100	150	150
C	93	93	93	93	107	107	107	107	107	127
D	140	150	165	200	140	150	165	220	285	285
K	209 (198)	209 (198)	218 (205)	255	254 (242)	254 (242)	264 (251)	305	410	450
L	180	200	230	310	180	200	230	350	480	480
t	18	18	20	21	18	18	20	24	28	28
kg	9,7	10,2	13,0	29,0	13,7	14,3	17,3	45,5	86,0	97,0

The values in brackets refer to the stainless steel version.

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