

TECHNICAL SPECIFICATIONS

Type of control:	Direct operated, no pressure difference required
Design:	Poppet design
Connection:	Threaded Rp3/8 - Rp3 DIN 2999 (BSP) Other connections like NPT on request
Installation:	Actuator in upright position Lying position of actuator on request
Pressure:	0-5 bar (see table page 2)
Medium:	Clean, neutral, gaseous and liquid medium
Viscosity:	22 mm ² /s
Temperature range:	Medium: -40 °C bis +80 °C Ambient: -40 °C bis +50 °C In consideration of the restrictions described on page 4
Body material:	Brass 2.0402 Stainless steel 1.4581
Metallic inner parts:	Brass and stainless steel
Sealing:	NBR, FKM, PTFE, EPDM
Supply voltage:	AC~ 24V, 110V, 230V DC= 12V, 24V Other supply voltages on request
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 EN 60529
Duty factor:	100% ED-VDE 0580
Connection type:	Plug / Terminal box
Ex-proof:	acc. to 2014/34/EU (ATEX) Further Ex-proof on request

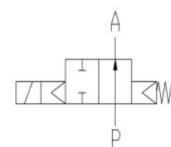
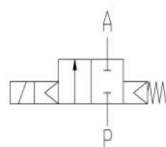
VALVE FEATURES

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

FUNCTION

NC – non energized closed

NO – non-energized open



CERTIFICATES



TECHNICAL FEATURES

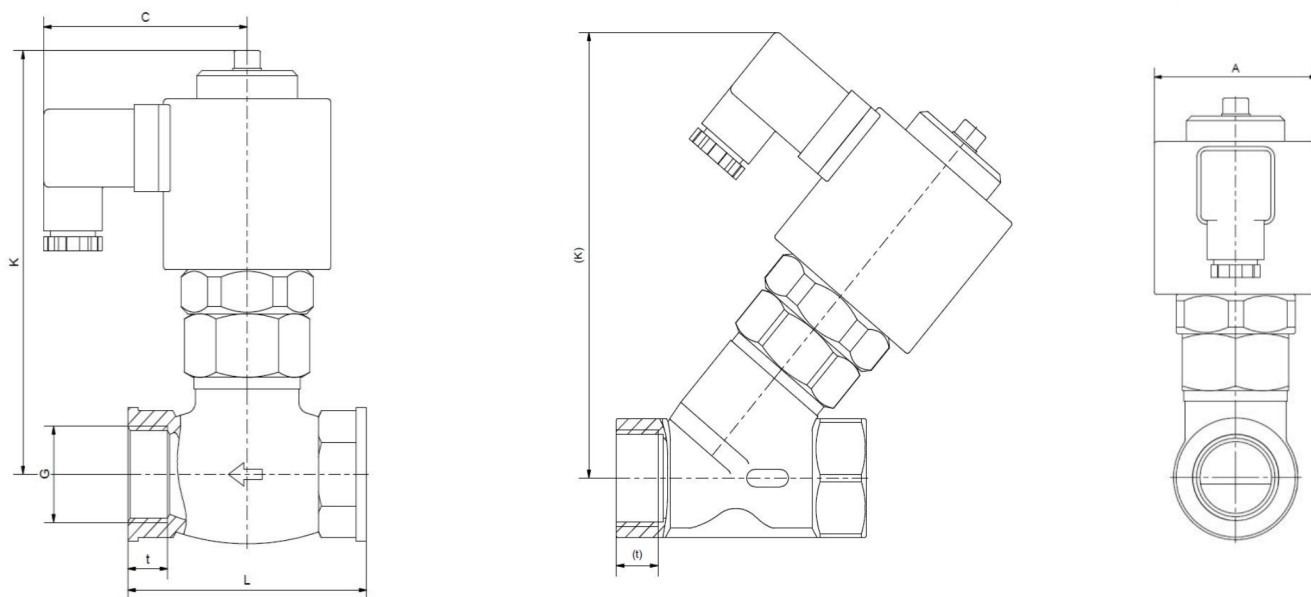
			max. pressure for coils					
Rp	Seat mm	Kv-value m³/h	1	2	3	4	5	6
3/8	8	1,2	0-3	0-5	-	-	-	-
3/8	10	2,1	0-2	0-3	-	-	-	-
1/2	8	1,2	0-3	0-5	-	-	-	-
1/2	10	2,1	0-2	0-3	-	-	-	-
1/2	13	3,2	-	0-1	0-2	0-5	-	-
3/4	18	4,9	-	0-0,5	0-1	0,2,5	0-5	-
1	24	8,5	-	0-0,3	0-0,5	0-1	0-1,6	-
1 1/4	29	15,0	-	-	0-0,3	0-0,6	0-1	-
1 1/2	35	20,0	-	-	0-0,1	0-0,3	0-0,5	0-0,8
2	45	30,0	-	-	-	0-0,15	0-0,4	0-1
2 1/2	62	58,0	-	-	-	-	0-0,15	0-0,4
3	75	60,0	-	-	-	-	0-0,1	0-0,3

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

			max. pressure for ATEX-coils					
Rp	Seat mm	Kv-value m³/h	7	8	9	10	12	13
3/8	8	1,2	0-1	0-5	-	-	-	-
3/8	10	2,1	0-0,5	0-3	-	-	-	-
1/2	8	1,2	0-1	0-5	-	-	-	-
1/2	10	2,1	0-0,5	0-3	-	-	-	-
1/2	13	3,2	-	0-1	-	-	-	-
3/4	18	4,9	-	0-0,5	0-0,8	-	-	-
1	24	8,5	-	0-0,3	0-0,5	0-0,7	0-1	-
1 1/4	29	15,0	-	-	0-0,1	0-0,3	0-0,8	-
1 1/2	35	20,0	-	-	-	0-0,2	0-0,3	-
2	45	30,0	-	-	-	-	0-0,2	0-0,35
2 1/2	62	58,0	-	-	-	-	-	0-0,15
3	75	60,0	-	-	-	-	-	0-0,1

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

DIMENSIONS



Magnet	1/7*		2/8*				3/9*				
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

Magnet	4/10					5/11					
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