

SOLENOID VALVE HIGH PRESSURE TYPE 46

2/2 way - Max 150 bar - 1/4" ÷ 1" 1/2 Threads - Normally Closed function

Standard type

Valve non-energised closed by spring power - NC. When energised, the pressure decomposes on the secondary side of the piston. Then the pressure differential (Dp) lifts the piston from the seat (orifice). A pressure differential (Dp) is necessary for accurate operation.

Technical data

Type of control:	pilot operated
Construction:	piston design
Connection:	G1/4-G1"1/2, DIN ISO 228
Pressure:	1-max. 150 bar (see table)
Medium:	neutral, gaseous and liquid medium
Viscosity:	22mm ² /s
Medium temperature:	-10 up to +80°C
Ambient temperature:	+35°C
	..09../.. = Stainless steel (AISI 430F) (up to PN100)
Body material:	..08../.. = Stainless steel (AISI 316Ti) (up to PN100)
	..06../.. = Stainless steel (AISI 303) (up to Pn150)
Seal:	NBR
Metallic internals:	stainless steel (AISI 303)
Installation:	actuator in any pos., preferable in upright pos.
Supply voltage:	AC: 24,42,110,230V 50/60Hz DC: 24,110,205V=
Voltage tolerance:	+5% / -10%
Power-consumption:	1702 / 3702 =25 Watt 1322 / 3322 =30 Watt 4242 / 5242 =46 Watt
Enclosure:	IP65 according to DIN 40050
Operating factor:	100% ED-VDE 0580
Electric connection:	DIN 43650 - plug / terminal box



Stainless steel (AISI 303) - Stainless steel (AISI 316 Ti)

G	Orifice mm	Kv flow-rate m ³ /h	Standard type	Max. pressure regarding solenoid type		
				.702	.322	.242
1/4	8	1,0	A4621/0801/....	1-100	-	-
3/8	8	1,2	A4622/0801/....	1-100	-	-
1/2	8	2,0	A4623/0801/....	1-100	-	-
1/2	13	2,5	A4623/0901/....	-	1-100	-
3/4	25	4,3	A4624/0901/....	-	1-100	-
1	25	8,0	A4625/0901/....	-	1-100	-
5/4	40	29,0	A4626/0901/....	-	1-80	1-100
6/4	40	33,0	A4627/0901/....	-	1-80	1-100

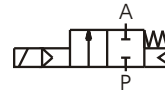
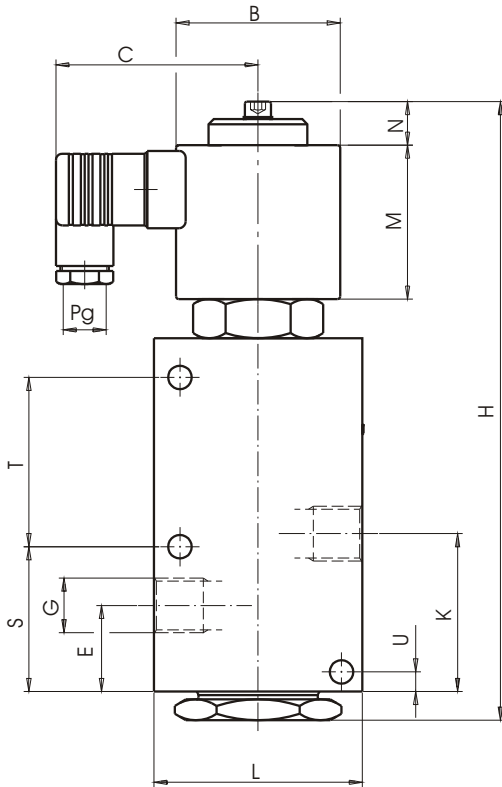
Stainless steel (AISI 303)

1/2	13	2,5	A4623/0601/....	-	1-150	-
3/4	25	4,3	A4624/0601/....	-	-	1-150
1	25	8,0	A4625/0601/....	-	-	1-150
5/4	40	29,0	A4626/0601/....	-	1-80	1-150
6/4	40	33,0	A4627/0601/....	-	1-80	1-150

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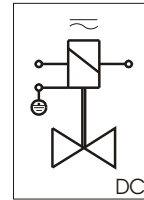
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Dimensional drawing of standard type

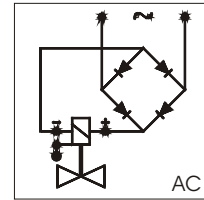


normally closed - NC.

Connection diagramm



For DC.



With rectifier for AC current.

Grounding or earthing of the protective circuit in accordance with regulations of the responsible electric supply company.
Appropriate protection according to the power-consumption.

Magnet solenoid	.702			.322			.242			
Type	4621	4622	4623	4623	4624	4625	4624	4625	4626	4627
G	1/4	3/8	1/2	1/2	3/4	1	3/4	1	1" 1/4	1" 1/2
B	35x35	35x35	35x35	63	63	63	77	77	77	77
C	66	66	66	76	76	76	82	82	82	82
E	17,5	17,5	17,5	27	47	47	47	47	33	33
H	130	130	130	200	260	260	285	285	268	268
K	17,5	17,5	17,5	63	83	83	83	83	33	33
L	65	65	65	70	100	100	100	100	140	140
M	50	50	50	59	59	59	70	70	70	70
N	10	10	10	16	16	16	19	19	19	19
S	-	-	-	-	25	25	25	25	-	-
T	-	-	-	-	125	125	125	125	-	-
Pg	11	11	11	11	11	11	11	11	11	11
kg	1,1	1,1	1,0	5,5	7,5	7,4	8,7	8,6	8,5	8,5

All technical specifications are without obligation!

Optional extras

Non energised open= NO

Seal= FKM, EPDM, PTFE

Varying medium and viscosity ranges

Explosion proof= EEx em II T4, EEx dII cT6 (on dem.)

Manual override= HA

Free of oil and grease= OF (for oxygen application)

Free of brass and bronze= BF