

ELX08- SERVO DIAPHRAGM SOLENOID VALVE NC/NO

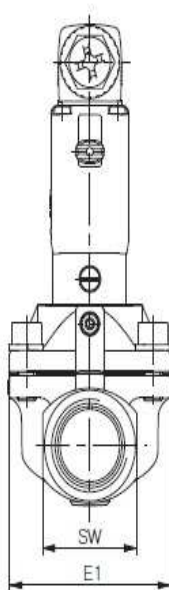
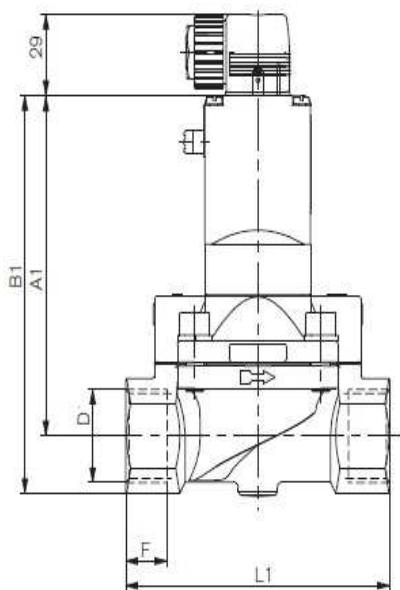
2/2-way Solenoid Valve with servo diaphragm. Pivoted armature pilot drive with manual override. Magnetic drive completely isolated from fluid by diaphragm. Circuit function can be changed (NC or NO). For slightly contaminated and aggressive

fluids
 Body: Stainless steel 1.4541
 Seal: NBR, FKM, EPDM
 Power supply: 24V AC/DC, 230V AC
 Class protection: IP 65 (DIN 43650 A plug)
 Power consumption: AC = 24VA 8W; DC = 8W
 Response times sec: Opening 0.1-0.8, Closing 1.0-4.0
 Option: NPT connection, flanged DN25...DN50

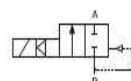


Size	DN mm	Kv m³/h	Pressure bar
1/2"	13	4	0.2...10
3/4"	20	5	0.2...10
1"	25	10	0.2...10
1"1/4	32	20	0.2...10
1"1/2	40	20	0.2...10
2"	50	40	0.2...10

D Gas	A	B	F	E	L	SW	Weight kg
1/2"	108	124	14	40	65	32	0.91
3/4"	108	124	16	40	65	32	1.4
1"	121.5	142	18	70	115	41	1.8
1"1/4	122	147	20	85	126	50	2.25
1"1/2	126	156	22	85	126	60	2.7
2"	142.5	177.5	24	115	164	70	4.8

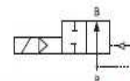


Circuito funzione A
Circuit function A



Valvola 2 vie NC
2/2-way valve, NC

Circuito funzione B
Circuit function B



Valvola 2 vie NO
2/2-way valve, NO



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ELX610 - STAINLESS STEEL SOLENOID VALVES DIRECT ACTING H.P.

Normally Closed or Normally Open, direct acting solenoid valves. For liquids and neutral gases, aggressive compatible with stainless steel. Suitable for vacuum.

Fluid temperature:	-10...+110°C
Ambient temperature:	-10...+50°C
Mounting position:	optional, preferably with solenoid upright
Body/inner material:	Stainless steel
Seals:	FPM (EPDM, PTFE on request)
Working pressure:	up to 40 bar
Coil Power supply:	24VDC 8W or 18W 24/110/220VAC 50Hz (on request 60Hz) 9VA or 20VA



Thread	Orifice mm	* Pressure range		** kv m3/h	Weight kg	Function
		MIN	MAX			
G1/8"	1.5	0	25	0.07	0.33	N.C.
G1/4"	1.5	0	25	0.07	0.33	N.C.
G3/8"	1.5	0	25	0.07	0.33	N.C.
G1/8"	2.5	0	40	0.15	0.57	N.C.
G1/4"	2.5	0	40	0.15	0.57	N.C.
G3/8"	2.5	0	40	0.15	0.57	N.C.
G1/8"	3	0	20	0.21	0.57	N.C.
G1/4"	3	0	20	0.21	0.57	N.C.
G3/8"	3	0	20	0.21	0.57	N.C.
G1/4"	1.5	0	16	0.07	0.33	N.O.
G1/4"	2.5	0	25	0.15	0.57	N.O.
G1/4"	3	0	16	0.21	0.57	N.O.

* with liquid and gaseous fluids up to 25 mm² / s (cSt)

** CV Value (US) = kv x 1.2

ELX590D - STAINLESS STEEL DIRECT ACTING SOLENOID VALVES 0/16 bar

2/2 way stainless steel diaphragm valve.

- Pressure Range: 0...10/16 bar
- Fluid temperature: -10...+90°C
- Threaded connection from G 1/4 "to G 2"
- Stainless steel body, NBR-K seals, stainless steel / PVDF inner parts
- Options: Atex II 2 GD Eex me II T3 (T 140°C) and II 3 GD Eex nA T4 (T 135°C)

Thread	Kv Value m3/h	Orifice mm	* Pressure range		L mm (dima)
			MIN	MAX	
1/4"	1.9	8	0	10	60
3/8"	3	10	0	10	60
1/2"	3.4	12	0	10	67
3/4"	5.8	20	0	10	80
1"	8	25	0	10	95
1"1/4	23	32	0	16	132
1"1/2	25	40	0	16	132
2"	41	50	0	16	160

* with liquid and gaseous fluids up to 25 mm² / s (cSt) - G1/4...1", on request, up to 16 bar



EV590SS up to 1"



EV590SS from 1"1/4



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ELX590P - DIRECT ACTING SOLENOID VALVES 0/40 bar

2/2 way stainless steel piston valve.

- Pressure range: 0...25 bar, on request up to 40 bar
- Fluid temperature: -20...+90°C (with FPM seals -10...+110°C)
- Threaded connection from G 1/4 "to G 2"
- Stainless steel body, NBR seals, stainless steel / PTFE carbon inner parts
- Options: Atex II 2 GD Eex me II T3 (T 140°C) and II 3 GD Eex nA T4 (T 135°C)

Thread	Kv Value m3/h	Orifice mm	* Pressure range		L mm (dima)
			MIN	MAX	
1/4"	1.9	8	0	25	60
3/8"	3	10	0	25	60
1/2"	3.8	12	0	25	67
3/4"	6.1	20	0	25	80
1"	9.5	25	0	25	95
1"1/4	23	32	0	25	132
1"1/2	25	40	0	25	132
2"	41	50	0	25	160

* with liquid and gaseous fluids up to 80 mm² / s (cSt) - G1/4...1", on request, up to 16 bar



ELX222- DIAPHRAGM PILOT OPERATED SOLENOID VALVES - N.C.

2/2 way valve with insulating membrane, S.S. 318 constructive structure. FKM insulating membrane and silicone oil upstream of the membrane.

Resistant to aggressive media, limescale and other impurities

- Differential pressure range: 0.3...10 bar
- Fluid temperature: 0...100 °C
- Coil protection: up to IP67
- Threaded connection: from G1/2" to G2"
- Body: S.S. 318, S.S. 304 plate, S.S. 303 spring

Thread	Kv Value m3/h	Orifice mm	L mm (dima)
1/2"	4	15	80
3/4"	8	20	90
1"	11	25	109
1"1/4	18	32	120
1"1/2	24	40	130
2"	40	50	162



ELX212 - STAINLESS STEEL DIRECT ACTING SOLENOID VALVES

2/2 way valve with membrane insulation, S.S. 316L construction structure. Pressure range 0 ... 16 bar. FKM insulating membrane and silicone oil upstream of the membrane.

Threaded connection 1/8" and 1/4"

Thread	Kv Value m3/h	Orifice mm	L mm (dima)
1/8"-1/4"	0.05	1.5	35
1/8"-1/4"	0.3	3	38



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ELX10 - STAINLESS STEEL DIRECT ACTING SOLENOID VALVES 0/10 bar

Servo-assisted diaphragm valve. Spring coupled diaphragm opens without differential pressure. Water hammer reduction. Large flow rates, with pressures close to zero for different nature fluids.

Body: Stainless steel 1.4404 (AISI 316L)

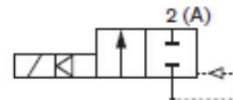
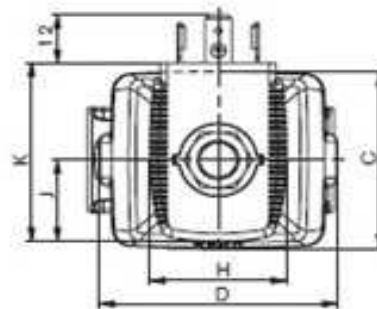
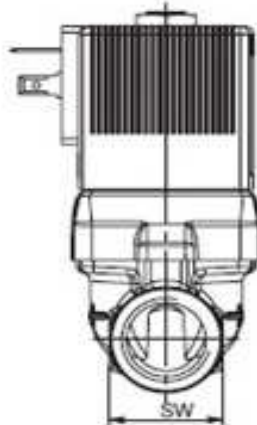
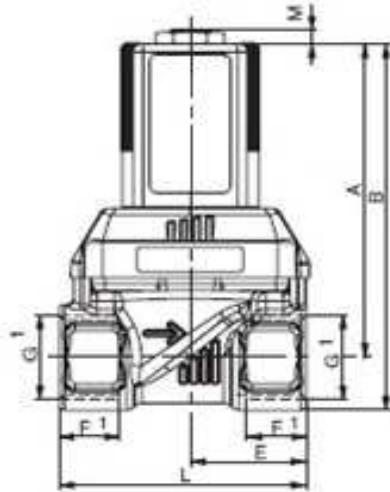
Seal: NBR = -10...+80°C

FPM (viton) = -10°...+120°C

EPDM = da 3/8" a 3/4" = -30...+90°C; da 1" a 2" = -30...+100°C

Working Pressure: 0...10 bar

Class protection: IP65



Size	DN mm	Kv m³/h	Power consumption AC	Power consumption DC 24V	Coil mm
3/8"	10	1.9	Inrush 34 VA - 8W	10 W	32 AC / 40 DC
1/2"	13	3.6	Inrush 36 VA - 8W	10 W	32 AC / 40 DC
3/4"	20	8.3	Inrush 38 VA - 8W	10 W	32 AC / 40 DC
1"	25	11.0	Inrush 150 VA - 16W	29 W	42 AC / 65 DC
1"1/4	25	11.0	Inrush 150 VA - 16W	29 W	42 AC / 65 DC
1"1/2	40	30.0	Inrush 190 VA - 16W	29 W	42 AC / 65 DC
2"	40	30.0	Inrush 190 VA - 16W	29 W	42 AC / 65 DC

Dimensions

Size	L	B	C	D	E	H	K
G3/8"	50	78.4	36	46	22	32 (40)	45 (51)
G1/2"	65	92.8	44.5	56	27.2	32 (40)	45 (51)
G3/4"	80	109.8	65	76.6	37	32 (40)	45 (51)
G1"	95	156.8	77	88	46	42 (65)	55.5 (72)
G1"1/4	95	166.3	77	88	46	42 (65)	55.5 (72)
G1"1/2	126	182.3	104.5	117	61	42 (65)	55.5 (72)
G2"	132	193.3	104.5	117	64	42 (65)	55.5 (72)

In brackets size with DC magnet



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ELX11 - STAINLESS STEEL DIRECT ACTING SOLENOID VALVES 0/16 bar

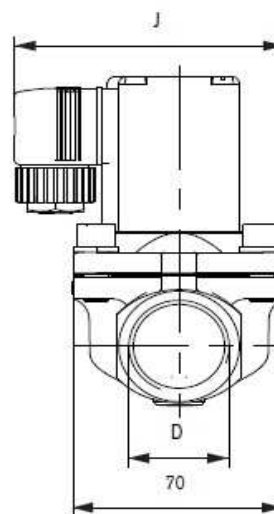
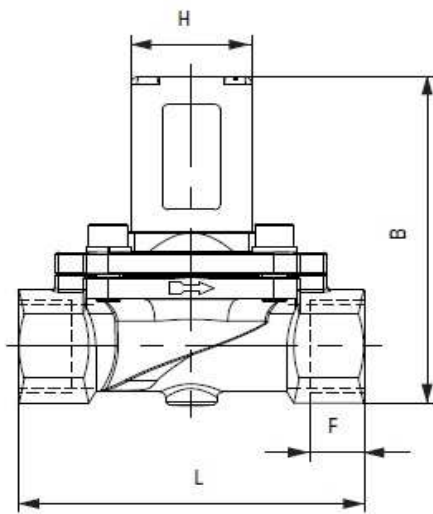
Servo-assisted 2/2-way diaphragm valve, direct acting, stainless steel body. con corpo in acciaio inox 1.4581 (AISI316-318). For aggressive and difficult fluids. Working pressure up to 16 bar.

Body: 1.4581 stainless steel (SS316-318)
Seal: FKM - EPDM
Pressure: 0-16 bar
Protection: IP65



Size	DN mm	Range pressure bar	Kv m ³ /h	Power consumption AC (VA) - UC (W)	Response times ms		Consump DC. 24V
					Opening	Closing	
1/2"	12	0-16	1,8	100 VA - 80 W	100 a 250	700 a 2000	12 W
3/4"	20	0-16	5,0	120 VA - 100 W			12 W
1"	25	0-16	10,0	120 VA - 100 W			12 W

Size	DN	B	E	F	H	J	L	Weight kg
G1/2"	12	95.5	40	14	40	73	74.5	1
G3/4"	20	122	60	16	49	86.5	100	1.4
G1"	25	131	70	18	49	91.5	115	1.8



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