

LATCHING SOLENOID VALVES

SL1010 Series (G1/8", G1/4")



- LATCHING
- 2/2 WAY
- ΔP=0
- DIRECT ACTING

GENERAL FEATURES

- Does not require continuous power supply
- Wide range of pressure ratings, flow capacities, and orifice sizes
- YHigh reliability, quality, and performance; long service life; corrosion-resistant
- Use of a filter is recommended for solenoid valves
- Can be installed in any mounting position without affecting valve operation; vertical installation with the coil oriented upwards is recommended
- Suitable for automatic control applications across a wide range of industries

ELECTRICAL CHARACTERISTICS

Continuous Duty : ED %100
 Coil Insulation Class : H (180°C)
 Coil Impregnation : Polyester Fiber Glass
 Coil Encapsulation Material : Fiber Glass Reinforced
 Ambient Temperature : -10°C, +60°C
 Protection Degree : IP67 (On request IP68)

Electrical Safety : IEC 335
 Supply voltage : 12/24V DC 10W

Voltages Tolerance : DC -5%, +10%

Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

Body : Brass
 Internal Parts : Stainless Steel
 Sealing : NBR(On request; EPDM, VITON, PTFE)
 Shading Ring : Copper (EN 12735-1)
 Seats, Core Tube, Springs : Stainless Steel

OPTIONS

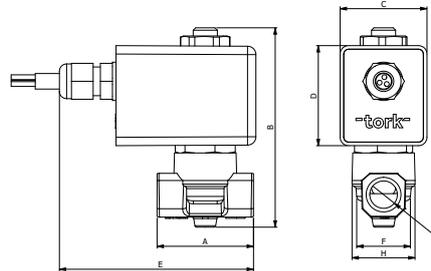
- Thread connection: BSP; NPT available upon request.
- Nickel plating and PTFE coating are available upon request.

TECHNICAL FEATURES

Max. Viscosity : 5°E (~37cST veya mm2/s)
 Response Time : Opening time : 30 ms
 Closing Time : 30 ms

SEALS FEATURES

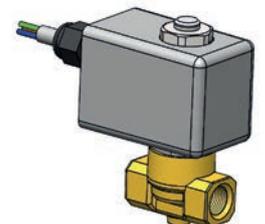
NBR : -10°C...+80°C
 EPDM : -10°C...+130°C
 VITON : -10°C...+160°C
 PTFE : -10°C...+160°C
 RUBY : -10°C...+160°C



Dimensions (mm)							
G	A	B	C	D	E	F	H
1/8"	40	83	36	42	80,5	22,3	26,1
1/4"	40	83	36	42	80,5	22,3	26,1

Solenoid Valve Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure		Kv	Seal				Weight
				min	max		NBR	Viton	EPDM	PTFE	
	SL1010	G	mm	Bar	Bar	Lt/dk	✓	✓	✓	✓	kg
	SL1010.00.018	1/8"	1,8	0	16	1,6	✓	✓	✓	✓	0,36
	SL1010.00.025	1/8"	2,5	0	12	3,2	✓	✓	✓	✓	0,36
	SL1010.00.030	1/8"	3	0	10	4,6	✓	✓	✓	✓	0,36
	SL1010.00.040	1/8"	4	0	9	6,4	✓	✓	✓	✓	0,36
	SL1010.00.050	1/8"	5	0	7	9,2	✓	✓	✓	✓	0,36
	SL1010.00.060	1/8"	6	0	5	11	✓	✓	✓	✓	0,36
	SL1010.01.018	1/4"	1,8	0	16	1,6	✓	✓	✓	✓	0,35
	SL1010.01.025	1/4"	2,5	0	12	3,2	✓	✓	✓	✓	0,35
	SL1010.01.030	1/4"	3	0	10	4,6	✓	✓	✓	✓	0,35
	SL1010.01.040	1/4"	4	0	9	6,4	✓	✓	✓	✓	0,35
	SL1010.01.050	1/4"	5	0	7	9,2	✓	✓	✓	✓	0,35
	SL1010.01.060	1/4"	6	0	5	11	✓	✓	✓	✓	0,35

Coils	Nominal Values	Current (A)
C62012VDCLATCH	12VDC 10W	0,42
C62024VDCLATCH	24VDC 10W	0,85



STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 1.20.3)) are available on request.
- TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

Not: Please look catalogues for more details

LATCHING SOLENOID VALVES

SL1010 Series (G3/8", G1/2", G3/4", G1", G1 1/4", G1 1/2", G2")



- LATCHING
- 2/2 WAY
- $\Delta P=0,5$
- PILOT OPERATED

GENEL ÖZELLİKLER

- Does not require continuous power supply
- Wide range of pressure ratings, flow capacities, and orifice sizes
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OPTIONS

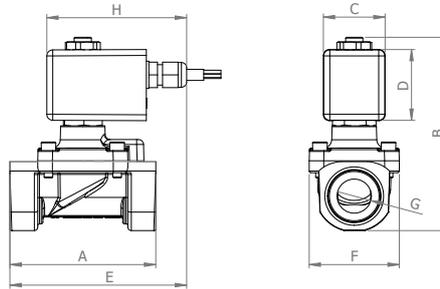
- Thread connection: BSP; NPT available upon request.
- Nickel plating and PTFE coating are available upon request.

TECHNICAL FEATURES

Max. Viscosity: 5°E (~37cST veya mm2/s)
 Response Time:
 Opening time : 400 ms - 500 ms (G 3/8", G1/2", G3/4", G1")
 400 ms - 1600 ms (G 1 1/4", G1 1/2", G2")
 Closing Time : 400 ms - 500 ms (G 3/8", G1/2", G3/4", G1")
 1000 ms - 2000 ms (G 1 1/4", G1 1/2", G2")

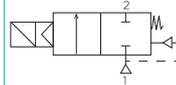
SEALS FEATURES

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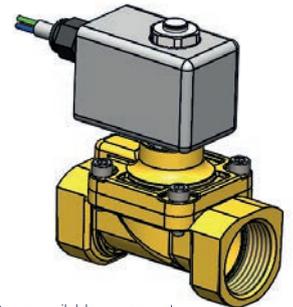


Dimensions (mm)							
G	A	B	C	D	E	H	
3/8"	72	98.7	36	41.5	93.6	81.5	
1/2"	80	106	36	41.5	99.5	81.5	
3/4"	78	106	36	41.5	99.5	81.5	
1"	85	113.5	36	41.5	103	81.5	
1 1/4"	109.5	126	36	41.5	142.5	81.5	
1 1/2"	128.5	137	36	41.5	165	81.5	
2"	149	150.5	36	41.5	183	81.5	

Solenoid Valve Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max	Kv	Seal			Weight	
						NBR	Viton	EPDM		
	SL1010	G	mm	Bar	Bar	l/min		Opsiyon	kg	
	SL1010.02.125	3/8"	12.5	0.5	16	48	✓	✓	✓	0.74
	SL1010.03.145	1/2"	14.5	0.5	16	70	✓	✓	✓	0.81
	SL1010.04.170	3/4"	17	0.5	16	90	✓	✓	✓	0.9
	SL1010.05.170	1"	17	0.5	16	90	✓	✓	✓	0.96
	SL101006460	1 1/4"	30	0.5	12	250	✓	✓	✓	1.75
	SL101007460	1 1/2"	39	0.5	12	370	✓	✓	✓	2.47
	SL101008460	2"	46	0.5	12	450	✓	✓	✓	3.98



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