

## Stainless Steel Solenoid Valve S6090 Series (G1/4", G1/2", G2")

### GENERAL FEATURES

- Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)
- Working Temperature: -10°C / +80°C
- Not suitable for use with dangerous fluids listed in Group 1
- Minimum operating pressure differential 0,5 bar
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- On request; manual override
- On request; flanged types
- Coils interchangeable
- Solenoid valves must be used with filtered fluids.
- Solenoid valve can be mounted in any position without affecting operation; vertical with coil upwards preferred.

### 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	: from -10°C, +60°C
Protection Degree	: IP65 (ISO 60529) with coil duly fitted with the plug connector
Electric Plug Connection	: DIN 46340 3 - Poles Connector (DIN43650)
Connector Specification	: ISO 4400 / EN 175301-803 Form A, Spade Plug (Cable Ø6-8 mm)
Electrical Safety	: IEC 335
Standard Voltages	: For AC 12V, 24V, 48V, 110V, 230V For DC 12V, 24V, 48V, 110 V

On request other voltages  
 Voltages Tolerance : For AC -15%; +10%, For DC -5%; +10%  
 Frequency : 50 Hz, other frequencies on request; (60 Hz ...)  
 On request; connector with LED Specify coil volt age with order

### MATERIALS IN CONTACT WITH FLUID

Body : AISI 304 Stainless Steel (On request 316)

### SOLENOID MATERIALS

Internal Parts : Stainless Steel  
 Sealing : NBR  
 Shading Ring : Copper  
 Seats : Stainless Steel  
 Core Tube : Stainless Steel  
 Springs : Stainless Steel  
 On request; sealing can be FPM (VITON), EPDM

### TECHNICAL FEATURES

Max. Viscosity : 5°E (<37cST veya mm<sup>2</sup>/s)  
 Response Time : Opening time : 400 ms- 1600 ms  
 Closing Time : 1000 ms- 2000 ms  
 Fluid Temperature for FPM (VITON) from -10°C; +120°C,  
 for EPDM from -10°C; +130°C

### SEALS FEATURES

NBR : -10°C...+80°C  
 EPDM : -10°C...+130°C  
 VITON : -10°C...+160°C  
 PTFE : -10°C...+180°C  
 RUBY : -10°C...+160°C

### 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).

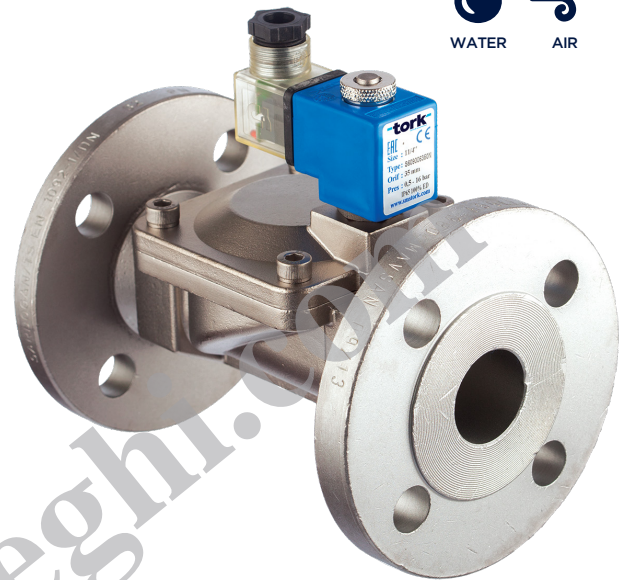
**Not:** Please look catalogues for more details

NORMALLY CLOSED

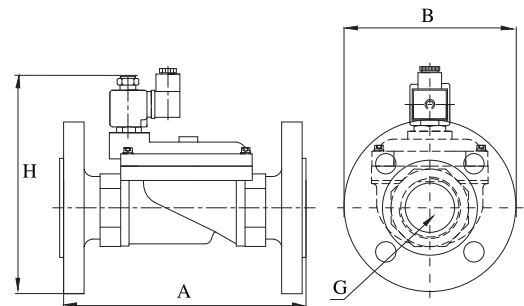
2/2 WAY

PILOT OPERATED

ΔP=0



Dimensions (mm)			
G	A	B	H
1 1/4"	160	135	175
1 1/2"	160	145	180
2"	160	160	207



Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C40012VDC18W	12VDC 18W	COLD	19,56	19,56	1,63	20
		HOT	14,52	14,52	1,21	106
C40024VDC18W	24VDC 18W	COLD	20,88	20,88	0,87	25
		HOT	14,64	14,64	0,61	116
C40110VDC18W	110VDC 18W	COLD	19,96	19,96	0,18	23
		HOT	13,56	13,56	0,123	115
C40012VAC15VA	12VAC 15VA	COLD	23,81	16,43	1,3	25
		HOT	-	15,86	1,262	79
C40024VAC15VA	24VAC 15VA	COLD	25,82	15,02	0,62	22
		HOT	-	13,91	0,57	81
C40110VAC15VA	110VAC 15VA	COLD	30,65	15,17	0,137	24
		HOT	-	13,96	0,126	80
C40230VAC15VA	230VAC 15VA	COLD	31,4	15,64	0,068	25
		HOT	-	14,41	0,063	80
C40230VAC15VA	230VAC 24VA	COLD	45,1	23,92	0,0154	23
		HOT	-	21,62	0,0154	100

Solenoid Valve Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Fluid Temperature		Seal	Weight		
				Bar	Bar		min	max				
	S6090	DN	mm	Bar	Bar	Lt/dk	°C		NBR	kg		
	S6090.06	32	35	0,5	16	315	-10	80			✓	7,5
	S6090.07	40	40	0,5	16	430	-10	80			✓	8
	S6090.08	50	50	0,5	16	690	-10	80			✓	9,5