

### GENERAL FEATURES

- **Small body size.**
- **Square body, large orifice, high flow rate**
- **Connection size 1/2", 3/4" and 1".**
- **High pressure model available on request;**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature: -10°C / +160°C
- Not suitable for use with dangerous fluids listed in Group 1
- **Don't require any differential pressure**
- Compact and low weight valve enabling easy and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Wide pressure ratings, range of flow rate and orifice options
- **On request; solenoid valve can have 2 mounting holes at the bottom of the body.**
- Ideal for the automatic control of media in a wide range of applications.
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Coils interchangeable
- Flow factor Kv of each valve is indicated, so that the flow Q can be calculated as a function of pressure
- Solenoid valves must be used with filtered fluids.
- Solenoid valve can be mounted in any position without affecting operation; vertical with coil upwards preferred.
- Standard pipe connection is G (BSP) (ISO 228-1) and on request; other pipe connections are available (NPT (ANSI 1.20.3))

### 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	: IP 65 (EN 60529) with coil duly fitted with the plug connector
Electric Plug Connection	: DIN 46340 3-poles connectors (DIN 43650)
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

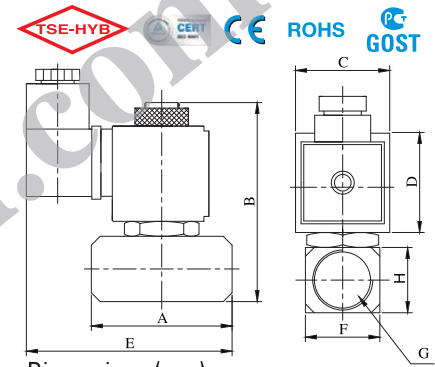
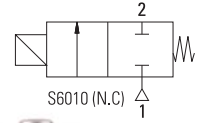
Other voltages on request;  
Voltage Tolerances : For AC -15%; +10%, For DC -5%; +10%  
Frequency : 50 Hz , other frequencies on request; (60 Hz)  
On request; connector with LED  
Specify coil voltage with order

### MATERIALS IN CONTACT WITH FLUID TECHNICAL FEATURES

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

Max Viscosity:5"E (~37cSt or mm<sup>2</sup>/s)  
Response Time:Opening Time:30 ms,  
Closing Time :30 ms  
Maximum Allowable Pressure:10 bar  
Fluid Temperature for FPM from -10°C; +160°C

### Normally Closed



Dimensions (mm)

	G	A	B	C	D	E	F	H
1/2"	60	86.5	32	39	81.5	30	30	
3/4"	60	86.5	32	39	81.5	30	30	
1"	60	86.5	32	39	81.5	30	30	

Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
			min	max		min	°C max		
<b>S6010</b>	<b>G</b>	<b>mm</b>	<b>bar</b>	<b>bar</b>	<b>lt/min</b>	<b>min</b>	<b>°C max</b>		<b>(kg)</b>
S6010.03.070	1/2"	7	0	5	12.4	-10	160	PTFE	0.41
S6010.03.050	1/2"	5	0	7	9.2	-10	160	PTFE	0.41
S6010.03.060	1/2"	6	0	6	11	-10	160	PTFE	0.41
S6010.03.080	1/2"	8	0	3	13.5	-10	160	PTFE	0.41
S6010.03.090	1/2"	9	0	2	16	-10	160	PTFE	0.41
S6010.03.100	1/2"	10	0	1	19	-10	160	PTFE	0.41
S6010.04.050	3/4"	5	0	7	9.2	-10	160	PTFE	0.79
S6010.04.060	3/4"	6	0	6	11	-10	160	PTFE	0.79
S6010.04.070	3/4"	7	0	5	12.4	-10	160	PTFE	0.79
S6010.04.080	3/4"	8	0	3	13.5	-10	160	PTFE	0.79
S6010.04.090	3/4"	9	0	2	16	-10	160	PTFE	0.79
S6010.04.100	3/4"	10	0	1	19	-10	160	PTFE	0.79
S6010.05.050	1"	5	0	7	9.2	-10	160	PTFE	0.77
S6010.05.060	1"	6	0	6	11	-10	160	PTFE	0.77
S6010.05.070	1"	7	0	5	12.4	-10	160	PTFE	0.77
S6010.05.080	1"	8	0	3	13.5	-10	160	PTFE	0.77
S6010.05.090	1"	9	0	2	16	-10	160	PTFE	0.77
S6010.05.100	1"	10	0	1	19	-10	160	PTFE	0.77

### Useful Informations

1 bar:14,5 PSI:10 mH<sub>2</sub>O:10 N/cm<sup>2</sup>:1 kg/cm<sup>2</sup>:100000 Pa , 1 PSI:69 mbar,1 m<sup>3</sup>/h:4.405 GPM:16,7 L/d 1 Gallon / minute:0,227 m<sup>3</sup>/h, 0°C:89,6 F  
Sealings: FPM (VITON):Fluoro-Carbon Elastomer, PTFE:Polytetrafluorethylene

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