

GENERAL FEATURES

- **TORK series S6080 direct acting plate mounting Stainless Steel solenoid valves are 2/2 way normally open and have small body size.**
- **On request manuel override**
- **Without manuel override, for small body (1/8" and 1/4"),square type body and easy installation**
- **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 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 4 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

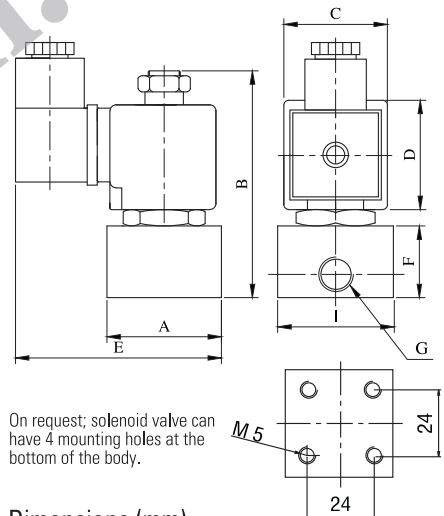
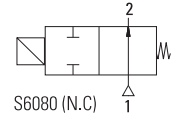
Body	: Stainless Steel
Internal Parts	: Stainless Steel
Sealing	: Viton
Shading Ring	: Copper
Seats	: Brass
Core Tube	: Stainless Steel
Springs	: Stainless Steel

TECHNICAL FEATURES

Max Viscosity : 5°E (~37cSt or mm²/s)
Response Time : Opening Time:30 ms, Closing Time :30 ms
Maximum Allowable Pressure:20 bar

Normally Open

Plate Mounting



Dimensions (mm)

	G	A	B	C	D	E	F	I	H
1/8"	35	82	32	39	68	26.5	35	-	-
1/4"	35	82	32	39	68	26.5	35	-	-

Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
			min	max		min	°C max		
S6080	G	mm	bar	bar	lt/min	min	°C max		(kg)
S 6080 .00 .018	1/8"	1.8	0	12	1.6	-10	160	Viton	0.48
S 6080 .00 .025	1/8"	2.5	0	10	3.2	-10	160	Viton	0.48
S 6080 .00 .030	1/8"	3	0	5	4.6	-10	160	Viton	0.48
S 6080 .01 .018	1/4"	1.8	0	12	1.6	-10	160	Viton	0.47
S 6080 .01 .025	1/4"	2.5	0	10	3.2	-10	160	Viton	0.47
S 6080 .01 .030	1/4"	3	0	5	4.6	-10	160	Viton	0.47

Useful Informations

1 bar:14,5 PSI:10 mH2O:10 N/cm2:1 kg/cm2:100000 Pa , 1 PSI:69 mbar,1 m3/h:4,405 GPM:16,7 L/d 1 Gallon / minute:0,227 m3/h, 0°C:89,6 F
Sealings:PTFE:Polytetrafluorethylene