

**GENERAL FEATURES**

- **Small body size.**
- **High working pressure for connections 1/8" and 1/4"**
- **Suitable for non-aggressive liquids (fuel oil, hydraulic oil, light oil (2E)), overheated water and steam**
- 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 1 mounting hole 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).
- Some applications; burners
- 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 Ø 6-8 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 FLUIDS**

- Body : Brass
- Internal Parts : Stainless Steel
- Sealing : FPM (VITON)
- Shading Ring : Copper
- Seats : Brass
- Core Tube : Stainless Steel
- Springs : Stainless Steel
- On request; nickel plated body
- On request; seat Stainless Steel (for overheated water and steam)

**TECHNICAL FEATURES**

- Max Viscosity : 5°E (-37cSt or mm<sup>2</sup>/s)
- Response Time : Opening Time:30 ms, Closing Time:30 ms
- Maximum Allowable Pressure:100 bar

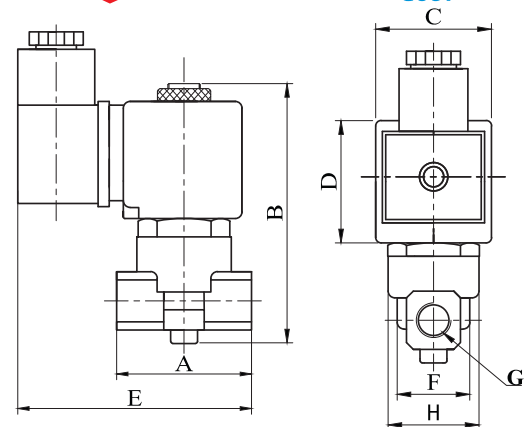
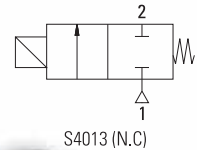
Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
T-YH	S4013	G	mm	bar	bar	lt/min	min	max		(kg)
T-YH 400.1	S4013.00.010	1/8"	1	0	100	0.6	-10	160	VITON	0.36
T-YH 400.1,8	S4013.00.018	1/8"	1.8	0	50	1.6	-10	160	VITON	0.36
T-YH 400.2,5	S4013.00.025	1/8"	2.5	0	20	3.2	-10	160	VITON	0.36
T-YH 401.1	S4013.01.010	1/4"	1	0	100	0.6	-10	160	VITON	0.35
T-YH 401.1,8	S4013.01.018	1/4"	1.8	0	50	1.6	-10	160	VITON	0.35
T-YH 401.2,5	S4013.01.025	1/4"	2.5	0	20	3.2	-10	160	VITON	0.35

**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

High Pressure

Normally Closed



Dimensions (mm)

	G	A	B	C	D	E	F	H
1/8"	40	90	32	39	78	22.3	25.6	
1/4"	40	90	32	39	78	22.3	25.6	