

B

GENERAL FEATURES

- New design
- **Very small body size.**
- **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
- 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
- The 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 FLUID

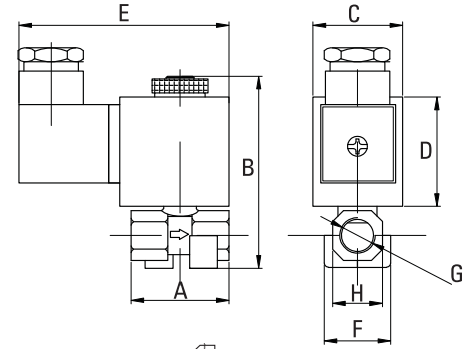
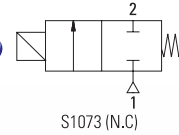
Body : Brass
 Internal Parts : Stainless Steel
 Sealing : NBR
 Shading Ring : Copper
 Seats : Brass
 Core Tube : Stainless Steel and Brass
 Springs : Stainless Steel
 On request; nickel plated body
 On request; sealing can be FPM (VITON), EPDM

TECHNICAL FEATURES

Max Viscosity : 5°E (~37cSt or mm²/s)
 Response Time : Opening Time : 30 ms,
 Closing Time : 30 ms
 Maximum Allowable Pressure : 30 bar
 Fluid Temperature for FPM (VITON) from -10°C; +160°C,
 for EPDM from -10°C; +140°C



Normally Closed



On request; solenoid valve can have 2 mounting holes at the bottom of the body.

Dimensions (mm)

	G	A	B	C	D	E	F	H
1/8"	35.5	67	32	39	74.5	24.5	18	
1/4"	35.5	67	32	39	74.5	24.5	18	

Valve Type / Order no	New Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
				min	max		min	max		
T-GT	S1073	G	mm	bar	bar	lt/min	min	max		(kg)
T-GT 100	S1073.00.018	1/8"	1.8	0	16	1.6	-10	80	NBR	0.31
T-GT 100.2,5	S1073.00.025	1/8"	2.5	0	12	3.2	-10	80	NBR	0.31
T-GT 100.3	S1073.00.030	1/8"	3	0	10	4.6	-10	80	NBR	0.31
T-GT 100.4	S1073.00.040	1/8"	4	0	9	6.4	-10	80	NBR	0.31
T-GT 100.4,5	S1073.00.045	1/8"	4.5	0	8	7.5	-10	80	NBR	0.31
T-GT 101	S1073.01.018	1/4"	1.8	0	16	1.6	-10	80	NBR	0.30
T-GT 101.2,5	S1073.01.025	1/4"	2.5	0	12	3.2	-10	80	NBR	0.30
T-GT 101.3	S1073.01.030	1/4"	3	0	10	4.6	-10	80	NBR	0.30
T-GT 101.4	S1073.01.040	1/4"	4	0	9	6.4	-10	80	NBR	0.30
T-GT 101.4,5	S1073.01.045	1/4"	4.5	0	8	7.5	-10	80	NBR	0.30

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: NBR : Nitrile-Butylene Elastomer, FPM (VITON) : Fluoro-Carbon Elastomer, EPDM : Ethylene-Propylene Elastomer