

GENERAL FEATURES

- **Small body size.**
- **Valves used on especially exhaust systems and pneumatic control systems, valves control**
- **Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)**
- Working Temperature: -10°C / +80°C
- **On request; top exhaust with 1 mm, 1,5 mm, 1,8 mm and 2,5 mm orifice**
- 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 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).
- 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

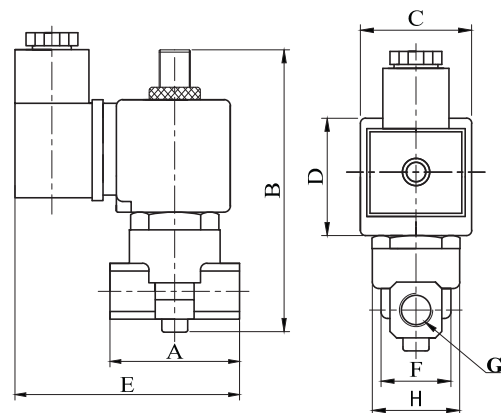
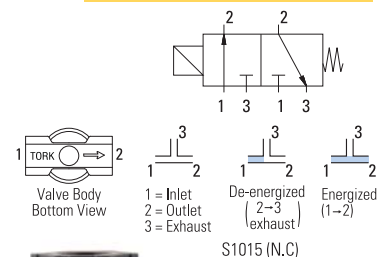
MATERIALS IN CONTACT WITH FLUID

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

TECHNICAL FEATURES

Max Viscosity : 5°E (-37cSt or mm²/s)
Response Time : Opening Time:30 ms,
Closing Time : 30 ms
Maximum Allowable Pressure: 24 bar
Fluid Temperature for NBR from -10°C; +80°C,
for EPDM from -10°C; +140°C

Normally Closed



Dimensions (mm)

G	A	B	C	D	E	F	H
1/8"	40	102	32	39	78	22.3	25.6
1/4"	40	102	32	39	78	22.3	25.6

Valve Type / Order no	Connection Size	Orifice size	Pressure		KV	Fluid Temperature		Seal	Weight
			min	max		min	max		
S1015	G	mm	bar	bar	lt/min	°C			(kg)
S1015.00.010	1/8"	1	0	16	1-2=1,35, 2-3=1,35	-10	160	VITON	0.37
S1015.00.015	1/8"	1.5	0	14	1-2=1,35, 2-3=1,35	-10	160	VITON	0.37
S1015.00.018	1/8"	1.8	0	10	1-2=1,35, 2-3=1,35	-10	160	VITON	0.37
S1015.00.025	1/8"	2.5	0	6	1-2=2,7, 2-3=1,35	-10	160	VITON	0.37
S1015.01.010	1/4"	1	0	16	1-2=1,35, 2-3=1,35	-10	160	VITON	0.36
S1015.01.015	1/4"	1.5	0	14	1-2=2,7, 2-3=1,35	-10	160	VITON	0.36
S1015.01.018	1/4"	1.8	0	10	1-2=2,7, 2-3=1,35	-10	160	VITON	0.36
S1015.01.025	1/4"	2.5	0	6	1-2=2,7, 2-3=1,35	-10	160	VITON	0.36

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