

General Purpose Solenoid Valves S1076 Series G1/8", G1/4"

GENERAL FEATURES

- Small connection size (1/8" and 1/4"), large orifice
- Suitable for non-aggressive liquids (water, light oil (2E) etc ...).
- Suitable for gaseous fluids (air, inert gases etc ...)
- Working Temperature: -20 °C / +80 °C
- Not suitable for use with dangerous fluids listed in Group 1
- Minimum operating differential pressure 0,5 bar
- High reliability, quality and performance; long life, corrosion resistance
- 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 -20°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 6-8mm)
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 : Far AC -15%; + 10%, Far 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
Sealing	: Stainless Steel and Brass
Shading Ring	: NBR
Seats	: Copper
Core Tube	: 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 : 400 ms to - 1600 ms,
Closing Time : 1000 ms to - 2000 ms
Maximum Allowable Pressure : 25 bar
Fluid Temperature for FPM (VITON) from -20°C; + 160°C,
for EPDM from -30°C; + 140°C

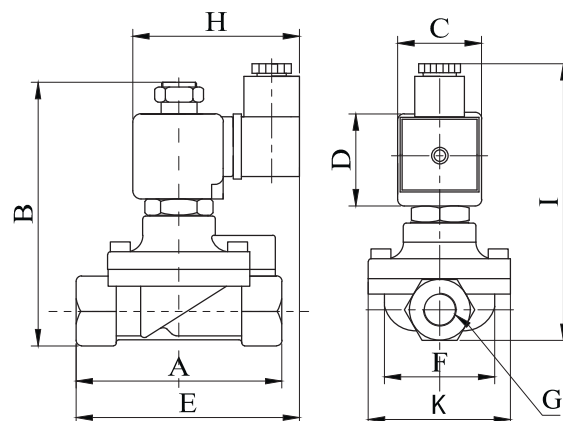
NORMALLY OPEN

NORMALLY CLOSED

2/2 WAY

PILOT OPERATED

ΔP=0,5



Dimensions (mm)

	G	A	B	C	D	E	F	K	H	I
1/8"	75	97	32	45	91.3	37.5	52	76	108	
1/4"	75	97	32	45	91.3	37.5	52	76	108	

Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal	Ağırlık
	S1076	G	mm	Bar	Bar	Lt/dk	Z NBR	kg
	S1076.00	1/8"	12	0.5	12	18	✓	0,69
	S1076.01	1/4"	12	0.5	12	25	✓	0,72

STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 1.20.3)) are available on request.
- TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

Not: Please look catalogues for more details