

LPG and Natural Gas Solenoid Valve S8010 Series (G3/8", G1/2", G3/4", G1", G1 1/4", G1 1/2", G2)

GENERAL FEATURES

TORK series S8010 diaphragm gas solenoid valves are 2/2 way normally closed and pilot operated
Suitable for natural gas, LPG, methane, propane, butane, city gas, air, non-corrosive gases (number 3 gas group) that are compatible with the construction materials used in the valves.

- Working Temperature: -10 °C / +80°C
- Minimum operating differential pressure 1 bar
- High reliability, quality and performance; long life, corrosion resistance
- TORK solenoid valves satisfy relevant 97 /23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Coils interchangeable
- Solenoid valves must be used with filtered fluids.
- Solenoid valve can be mounted in any position without affecting operation; vertical with coil upwards preferred.

ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)
Coil Impregnation	: Polyester Fiber Glass
Ambient Temperature	: -10°C, +60°C
Protection Degree	: IP65 (ISO 60529) On request; IP68
Electric Plug Connection	: DIN 46340 3- Poles Connector (DIN43650)
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, 11 DV, 230V For DC 12V, 24V, 48V, 11 D V

On request other voltages

Voltages Tolerance : AC -15%, +10% DC -5%, +10%

Frequency : 50 Hz (60 Hz...)

On request; connector with LED

On request; Explosion proof coil Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel, Brass
Sealing	: NBR
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel

OPTIONS

On request; nickel plated body

On request; body and internal parts can be Stainless Steel.

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

SEALS FEATURES

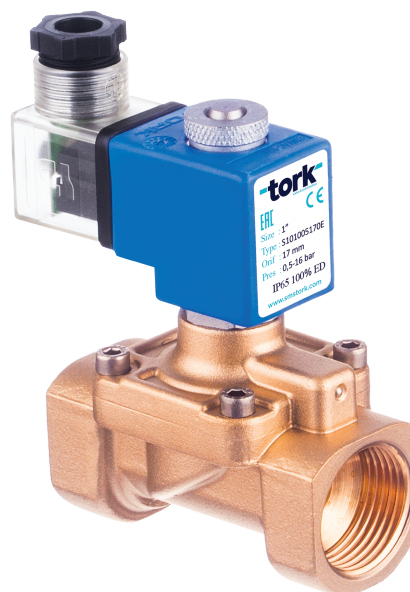
NBR : -10°C...+80°C

EPDM : -10°C...+130°C

VITON : -10°C...+160°C

PTFE : -10°C...+180°C

RUBY : -10°C...+160°C



NORMALLY CLOSED

2 WAY

PILOT OPERATED

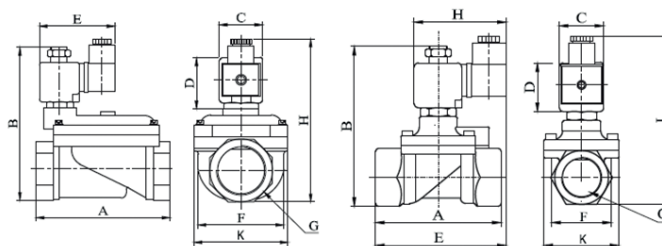
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NATURAL GAS

Dimensions (mm)

	G	A	B	C	D	E	H	I	K
3/8"	75	97	32	45	91.3	76	109	52	
1/2"	79	100	32	45	92	76	110.5	52	
3/4"	79	107.5	32	45	94	76	117.3	52	
1"	85	115	32	45	101	76	123.8	52	



Solenoid Valve Symbol	Valve Type/ Order No	Connection Size	Orifis Size	Pressure min/max		Kv	Fluid Temperature		Seal	Weight
	S8010	G	mm	Bar	Bar	Lt/min	C°			kg
							min	max		
	S8010.02	3/8"	12.5	1	16	48	-10	80	NBR	0.68
	S8010.03	1/2"	14.5	1	16	70	-10	80	NBR	0.71
	S8010.04	3/4"	17	1	16	90	-10	80	NBR	0.8
	S8010.05	1"	17	1	16	90	-10	80	NBR	0.97
	S8010.06	1 1/4"	30	1	12	250	-10	80	NBR	2.65
	S8010.07	1 1/2"	39	1	12	370	-10	80	NBR	2.55
	S8010.08	2"	46	1	12	450	-10	80	NBR	2.98