Natural Gas Solenoid Valve
S8070 Series (G3/8", G1/2", G3/4", G1")

NORMALLY CLOSED

2/2 WAY

ΔP=0

NATURAL GAS

GENERAL FEATURES

- Wide pressure range, flow rate and orifice options.
- Solenoid valves are used with filters.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.



ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85)
Coil Impregnation	: Polyester Fiber Glass
Ambient Temperature	: -20°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	: AC 24V 35VA, 110V 30VA, 120V 35VA, 230V 35VA, 230V 42VA DC 12V 40W, 24V 40W

On request other voltages

Voltages Tolerance	: AC -15%, +10% DC -5%, +10%
Frequency	: 50 Hz (60 Hz...)

On request; Connector with LED, PWM Socket
Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

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

OPTIONS

Female connection: BSP; (On request NPT)

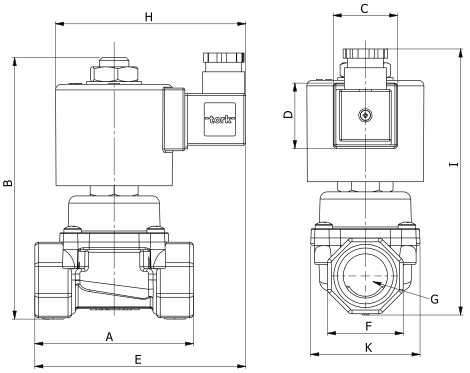
- On request Atex (exproof) coil.

ECHNICAL FEATURES

Max. Viscosity : 5°E (~37cST veya mm²/s)
Response Time : Opening time : 30 ms
Closing Time : 30 ms

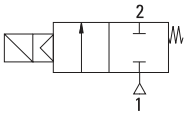
SEALS FEATURES

NBR : -20°C...+80°C
EPDM : -30°C...+130°C
VİTON : -20°C...+160°C
PTFE : -10°C...+160°C
RUBY : -10°C...+160°C



Dimensions (mm)									
G	A	B	C	D	E	F	H	I	K
3/8"	86	142	32	32	115	41	105	145	60
1/2"	86	142	32	32	115	41	105	145	60
3/4"	86	142	32	32	115	41	105	145	60
1"	86	142	32	32	115	41	105	145	60

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C50012VDC40W	12VDC 40W	COLD	43,32	43,32	3,61	24
		HOT	30,05	30,05	2,50	95
C50024VDC40W	24VDC 40W	COLD	41,52	41,52	1,73	24
		HOT	30,20	30,20	1,26	95
C50024VAC35VA	24VAC 35VA	COLD	40,80	36,15	1,50	24
		HOT	40,32	31,68	1,32	90
C50110VAC30VA	110VAC 30VA	COLD	39,60	29,92	0,272	24
		HOT	36,85	27,94	0,25	92
C50120VAC35VA	110VAC 30VA	COLD	45,24	37,56	0,313	24
		HOT	42,48	35,04	0,29	99
C50230VAC35VA	230VAC 35VA	COLD	43,24	36,57	0,16	24
		HOT	41,40	34,73	0,15	102
C50230VAC42VA	230VAC 42VA	COLD	50,60	43,93	0,19	24
		HOT	46,69	40,94	0,18	106

Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Orifis Size	Pressure min/max		Q	Seal	Weight
	S8070	G	mm	Bar	Bar	m³/h	NBR	kg
	S8070.02	3/8"	24	0	0,5	10	✓	1.1
	S8070.03	1/2"	24	0	0,5	14	✓	1.09
	S8070.04	3/4"	24	0	0,5	32	✓	1.08
	S8070.05	1"	24	0	0,5	38	✓	1.02

Not: Please look catalogues for more details.

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).

TS8070EN260924