

Stainless Steel Solenoid Valve SS1050 Series (G1/2", G3/4", G1")

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.
- It is applicable for natural gas, lpg, methan, butane, propane, gas, noncombosive gas. These are applicable for valve usage
- Operating Temperature: -10 °C / +160 °C
- No pressure difference is required.

ELECTRICAL CHARACTERISTICS

Continuous Duty	ED %100
Coil Insulation Class	H (180°C)(IEC 85)
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 / EN175301-803 Form A, Spade Plug (Cable Ø6-8 mm)
Electrical Safety	IEC 335
Standard Voltages	AC 12V 15VA, 24V 15VA, 48V, 15VA, 110V 15VA, 230V 15VA, 230V 24VA DC 12V 18W, 24V 18W, 48V, 18W, 110V 18W

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	Stainless Steel (AISI 316)
Internal Parts	Stainless Steel
Sealing	PTFE on request NBR, VITON, EPDM
Shading Ring	Copper (EN 12735-1)

Seats, Core Tube, Springs: Stainless Steel

On Request: sealing can be NBR, EPDM

OPTIONS

Female connection: BSP; (On request NPT)

+ On request Atex (exp proof) coil.

TECHNICAL FEATURES

Max. Viscosity : 5°E (-37cST veya mm²/s)

Response Time : Opening time : 30 ms

Closing Time : 30 ms

SEALS FEATURES

NBR : -10°C, +80°C

EPDM : -10°C, +130°C

VITON : -10°C, +160°C

PTFE : -10°C, +160°C

RUBY : -10°C, +160°C



NORMALLY CLOSED

2 WAY

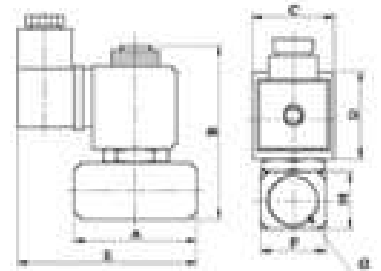
DIRECT ACTING

ΔP=0



Dimensions (mm)

G	A	B	C	D	E	F	H
1/2"	50	86.5	32	30	81.5	24.5	24.5
3/4"	60	86.5	32	39	81.5	30	30
1"	60	86.5	32	30	81.5	40	40



Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C4002VDC18W	12VDC 18W	COLD HOT	19.56 14.52	18.56 14.52	1.83 1.21	20 106
C40024VDC18W	24VDC 18W	COLD HOT	20.88 14.84	20.88 14.84	0.87 0.81	25 111
C4010VDC18W	110VDC 18W	COLD HOT	8.86 13.56	8.86 13.56	0.18 0.23	23 15
C4002VAC15VA	12VAC 15VA	COLD HOT	23.81 -	8.43 15.86	1.3 1.62	25 79
C40024VAC15VA	24VAC 15VA	COLD HOT	25.82 -	15.02 15.28	0.62 0.57	22 111
C4010VAC15VA	110VAC 15VA	COLD HOT	30.65 -	15.17 13.96	0.17 0.26	24 80
C40230VAC15VA	230VAC 15VA	COLD HOT	31.4 -	15.44 14.41	0.088 0.063	25 80
C40230VAC15VA	230VAC 24VA	COLD HOT	45.1 -	23.92 31.62	0.054 0.054	23 100

Solenoid Valve Symbol	Valve Type/ Order No.	Connection Size	Orifice Size	Pressure min/max		KV	Seal				Weight kg
				Bar	Bar		PTFE	NBR	EPDM	VITON	
	SS1050	G	mm	Bar	Bar	l/min	PTFE	NBR	EPDM	VITON	kg
	SS1050.03.050	1/2"	5	0	7	6.1	✓	✓	✓	✓	0.44
	SS1050.03.060	1/2"	6	0	6	1	✓	✓	✓	✓	0.44
	SS1050.03.070	1/2"	7	0	5	12.4	✓	✓	✓	✓	0.44
	SS1050.03.080	1/2"	8	0	3	13.5	✓	✓	✓	✓	0.44
	SS1050.03.090	1/2"	9	0	2	8	✓	✓	✓	✓	0.44
	SS1050.04.050	3/4"	5	0	7	9.2	✓	✓	✓	✓	0.79
	SS1050.04.060	3/4"	6	0	6	1	✓	✓	✓	✓	0.79
	SS1050.04.070	3/4"	7	0	5	12.4	✓	✓	✓	✓	0.79
	SS1050.04.080	3/4"	8	0	3	13.5	✓	✓	✓	✓	0.79
	SS1050.05.050	1"	5	0	7	9.2	✓	✓	✓	✓	0.77
	SS1050.05.060	1"	6	0	6	1	✓	✓	✓	✓	0.77
	SS1050.05.070	1"	7	0	5	12.4	✓	✓	✓	✓	0.77
	SS1050.05.080	1"	8	0	3	13.5	✓	✓	✓	✓	0.77

STANDARDS

• Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI31.22)) are available on request.

• TORK solenoid valves 97/23/CC, are available for pressure equipment directive (PED) and 2006/95/EC low voltage directive (LVD).

Not: Please look catalogues for more details.