

General Purpose Solenoid Valves S1050 Series (G3/8", G1/2")

GENERAL FEATURES

- Wide pressure range, flow rate and crifts 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 (80°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 (DIN 43650)
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	: Brass
Internal Parts	: Stainless Steel, Brass
Sealing	: NBR(On request: EPDM, VITON)
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel

OPTIONS

- Female connection: BSP; (On request NPT)
- On request CR-Ni plated, PTFE coated dome
- On request Abex (exp-proof) coil.

TECHNICAL FEATURES

Max. Viscosity : 5cP (-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

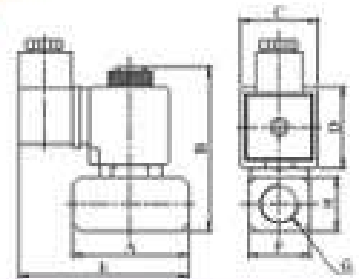


NORMALLY CLOSED

2/2 OPERATED

DIRECT ACTING

ΔP=0



Dimensions (mm)							
G	A	B	C	D	E	F	H
3/8"	50	80,5	32	38,8	79,5	25	25
1/2"	50	80,5	32	38,8	79,5	25	25

Coils	Nominal Values	Cold/Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C4002HDC18W	12VDC 18W	COLD	19,56	70,56	1,61	20
		HOT	14,52	14,52	1,31	106
C4002HVDC18W	24VDC 18W	COLD	20,68	20,68	0,87	25
		HOT	14,64	14,64	0,61	86
C4008VDC18W	18VDC 18W	COLD	19,96	19,96	0,88	23
		HOT	13,56	13,56	0,73	75
C4002VAC15VA	12VAC 15VA	COLD	23,81	16,43	1,3	25
		HOT	-	5,85	1,252	79
C4002HVAC15VA	24VAC 15VA	COLD	25,82	15,02	0,82	22
		HOT	-	13,91	0,57	81
C4008VAC15VA	18VAC 15VA	COLD	30,65	15,17	0,57	24
		HOT	-	13,96	0,76	80
C400230VAC15VA	230VAC 15VA	COLD	31,4	15,64	0,088	25
		HOT	-	14,41	0,063	80
C400230VAC24VA	230VAC 24VA	COLD	46,1	23,02	0,084	23
		HOT	-	21,62	0,064	100

Solenoid Valve Symbol	Valve Type/Order No.	Connection Size	Orifice Size	Pressure		Kv	Seal			Weight
				min/max	l/min		NBR	Viton	EPDM	
	S1050	G	mm	Bar	Bar	l/min	NBR	Viton	EPDM	kg
	S1050.02.030	3/8"	3	0	10	4,6	✓	✓	✓	0,48
	S1050.02.040	3/8"	4	0	9	6,4	✓	✓	✓	0,48
	S1050.02.050	3/8"	5	0	7	9,2	✓	✓	✓	0,48
	S1050.02.060	3/8"	6	0	6	11	✓	✓	✓	0,48
	S1050.02.070	3/8"	7	0	5	15	✓	✓	✓	0,48
	S1050.02.080	3/8"	8	0	3	17	✓	✓	✓	0,48
	S1050.02.090	3/8"	9	0	2	19	✓	✓	✓	0,48
	S1050.02.100	3/8"	10	0	1	25	✓	✓	✓	0,48
	S1050.03.030	1/2"	3	0	10	4,6	✓	✓	✓	0,47
	S1050.03.040	1/2"	4	0	9	6,4	✓	✓	✓	0,47
	S1050.03.050	1/2"	5	0	7	9,2	✓	✓	✓	0,47
	S1050.03.060	1/2"	6	0	6	11	✓	✓	✓	0,47
	S1050.03.070	1/2"	7	0	5	15	✓	✓	✓	0,47
	S1050.03.080	1/2"	8	0	3	17	✓	✓	✓	0,47
S1050.03.090	1/2"	9	0	2	19	✓	✓	✓	0,47	
S1050.03.100	1/2"	10	0	1	25	✓	✓	✓	0,47	

STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT) (ANSI 120.3) are available on request.
- TORK solenoid valves 97/23/EC are available for pressure equipment directives (PED) and 2006/95/EC low voltage directive (LVD).

Not: Please look catalogue for more details