

## Stainless Steel Servo Assist Solenoid Valve SS1000 Series (G3/8", G1/2", G3/4", G1, 1 1/4", 1 1/2", 2)

### GENERAL FEATURES

- Wide pressure range, a flow rate and orifice options.
- Solenoid valves are used with the filter.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.
- Don't require any differential pressure.
- Suitable for non-aggressive liquids (water, light oil etc...), gaseous fluids (air, inert gases etc...)

### ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85)
Coil Impregnation	: Reinforces 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 / EN 175301-803 Form A, Spade Plug (Cable Ø6-8 mm)
Electrical Safety	: IEC 335
Standard Voltages	: AC 220V 33VA, 220V 56VA, 220V 70VA, 220V 20VA, 110V 42VA, 110V 33VA, 24V 48VA, 24V 42VA DC 24V 48W, 24V 20W, 12V 52W, 12V 20W, 110V 20W

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
Internal Parts	: Stainless Steel
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 Atex (exproof) coil.

### TECHNICAL FEATURES

Max. Viscosity	: 5°E (-37cST veya mm²/s)
Response Time	: Opening time : 400 ms - 1600 ms Closing Time : 1000 ms - 2000 ms

### SEALS FEATURES

NBR	: -10°C...+80°C
EPDM	: -10°C...+130°C
VITON	: -10°C...+160°C



NORMALLY CLOSED

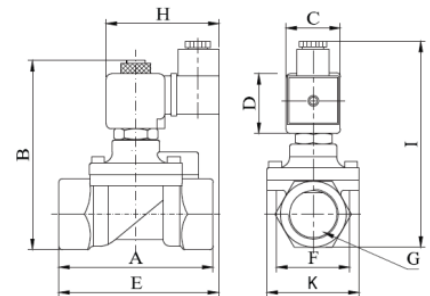
2 WAY

PILOT OPERATED

ΔP=0



ZERO DIFFERENTIAL PRESSURE



Dimensions (mm)							
G	A	B	C	D	E	I	K
3/8"	78,5	99	30,5	30	95	110	52
1/2"	78,5	99	32,5	30	95	110	52
3/4"	89	113	28	30	98	124	52,5
1"	89	113	28	30	98	124	52,5
1 1/4"	110	152,1	28	30	123	158	83
1 1/2"	129	158	28	30	132	164	95
2"	149	173	28	30	142	179	110

Solenoid Valve Symbol	Valve Type/ Order No	Connection Size	Orifs Size	Min. Pressure	Max. Pressure (bar)		Kv	Seal			Weight	Coil
					Liquid Fluid	Gas Fluid		NBR	Viton	EPDM		
					Bar							
	SS1000.02	3/8"	12,5	0	10	16	48	✓	✓	✓	0,720	C40
	SS1000.03	1/2"	12,5	0	10	16	48	✓	✓	✓	0,775	C40
	SS1000.04	3/4"	17	0	10	16	90	✓	✓	✓	0,875	C40
	SS1000.05	1"	17	0	10	16	90	✓	✓	✓	0,945	C40
	SS1000.06	1 1/4"	30	0	16	3	250	✓	✓	✓	3,5	C50
	SS1000.07	1 1/2"	39	0	16	3	370	✓	✓	✓	3,2	C50
	SS1000.08	2"	46	0	16	3	450	✓	✓	✓	2,98	C50

### 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 directive (PED) and 2006/95/ECC low voltage directive (LVD).

**Not:** Please look catalogues for more details