# Stainless Steel Solenoid Valve
# SS1001 Series (G3/8", G1/2", G3/4", G1",G11/4", G11/2", G2")

**NORMALLY OPEN**
**2/2 WAY**
**PILOT OPERATED**
**ΔP=0**

WATER AIR GAS

ACID CHEMICAL

## 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, iner gases etc...)




## 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 (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<br>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

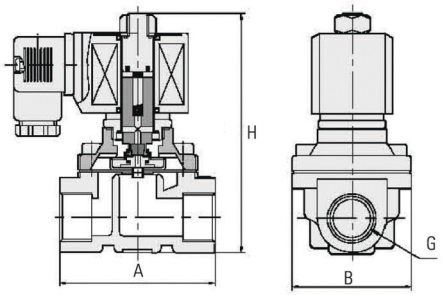
## MATERIALS IN CONTACT WITH FLUID

| | |
|---|---|
| Body | : Stainless Steel (AISI 304) |
| Internal Parts | : Stainless Steel |
| Sealing | : EPDM |
| Shading Ring | : Copper (EN 12735-1) |
| Seats, Core Tube, Springs | : Stainless Steel |

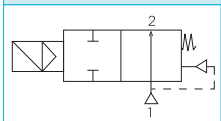
## OPTIONS
**Female connection:** BSP; (On request NPT)
- On request Atex (exproof) coil.

## TECHNICAL FEATURES
Max. Viscosity : 5°E (~37cST veya $mm^2/s$)
Response Time : Opening time : 400 ms – 1600 ms
Closing Time : 1000 ms - 2000 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 | H |
| 3/8" | 69 | 57 | 135 |
| 1/2" | 69 | 57 | 135 |
| 3/4" | 73 | 57 | 142 |
| 1" | 99 | 77.5 | 150 |
| 11/4" | 112 | 86.5 | 180 |
| 11/2" | 123 | 94 | 190 |
| 2" | 168 | 123 | 216 |

| Solenoid Vave Symbol | Valve Type/ Order No | Connection Size | Orifice Size | Pressure min/max | | | Kv | Seal | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Bar | | | | Opsiyon | | |
| | SS1001 | G | mm | Bar | AC | DC | l/min | NBR | Viton | EPDM | kg |
|  | SS1001.02 | 3/8" | 16 | 0 | 5 | 3 | 69 | ✓ | ✓ | ✓ | 1,15 |
| | SS1001.03 | 1/2" | 16 | 0 | 5 | 3 | 69 | ✓ | ✓ | ✓ | 1,10 |
| | SS1001.04 | 3/4" | 20 | 0 | 5 | 3 | 108 | ✓ | ✓ | ✓ | 1,12 |
| | SS1001.05 | 1" | 25 | 0 | 5 | 3 | 172 | ✓ | ✓ | ✓ | 1,30 |
| | SS1001.06 | 11/4" | 32 | 0 | 5 | 3 | 345 | ✓ | ✓ | ✓ | 3,55 |
| | SS1001.07 | 11/2" | 40 | 0 | 5 | 3 | 415 | ✓ | ✓ | ✓ | 3,45 |
| | SS1001.08 | 2" | 50 | 0 | 5 | 3 | 690 | ✓ | ✓ | ✓ | 3,88 |



### 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).

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

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