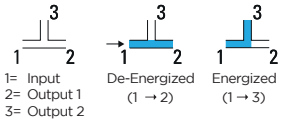
# Stainless Steel Solenoid Valve SS1016 Series (G1/8", G1/4")




**NORMALLY OPEN**
**3 WAY**
**DIRECT ACTING**

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.

## 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 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 : NBR, EPDM, VİTON
Shading Ring : Copper (EN 12735-1)
Seats, Core Tube, Springs: Stainless Steel + Brass (Nickel Coated)

## OPTIONS

Female connection: BSP; (On request NPT)

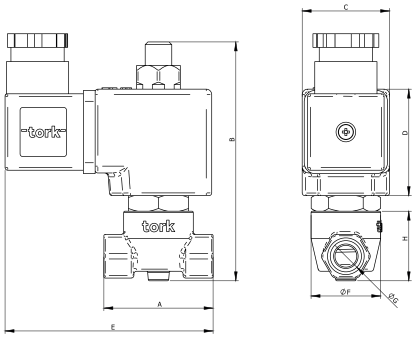
- On request Atex (exproof) coil.

## TECHNICAL FEATURES

Max. Viscosity : 5°E (~37cST veya $mm^2/s$)
Response Time : Opening time : 30 ms
Closing Time : 30 ms

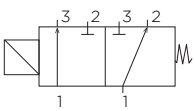
## SEALS FEATURES

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 | K |
| 1/8" | 40 | 87.5 | 32 | 39 | 76.2 | 25.5 | 25.5 |
| 1/4" | 40 | 87.5 | 32 | 39 | 76.2 | 25.5 | 25.5 |

| Coils | Nominal Values | Cold/ Hot | Inrush | Holding | Current (A) | Surface Temperature (°C) |
|---|---|---|---|---|---|---|
| C40012VDC18W | 12VDC 18W | COLD | 19,56 | 19,56 | 1,63 | 20 |
| | | HOT | 14,52 | 14,52 | 1,21 | 106 |
| C40024VDC18W | 24VDC 18W | COLD | 20,88 | 20,88 | 0,87 | 25 |
| | | HOT | 14,64 | 14,64 | 0,61 | 116 |
| C40110VDC18W | 110VDC 18W | COLD | 19,96 | 19,96 | 0,18 | 23 |
| | | HOT | 13,56 | 13,56 | 0,123 | 115 |
| C40012VAC15VA | 12VAC 15VA | COLD | 23,81 | 16,43 | 1,3 | 25 |
| | | HOT | - | 15,86 | 1,262 | 79 |
| C40024VAC15VA | 24VAC 15VA | COLD | 25,82 | 15,02 | 0,62 | 22 |
| | | HOT | - | 13,91 | 0,57 | 81 |
| C40110VAC15VA | 110VAC 15VA | COLD | 30,65 | 15,17 | 0,137 | 24 |
| | | HOT | - | 13,96 | 0,126 | 80 |
| C40230VAC15VA | 230VAC 15VA | COLD | 31,4 | 15,64 | 0,068 | 25 |
| | | HOT | - | 14,41 | 0,063 | 80 |
| C40230VAC15VA | 230VAC 24VA | COLD | 45,1 | 23,92 | 0,0154 | 23 |
| | | HOT | - | 21,62 | 0,0154 | 100 |

| Solenoid Vave Symbol | Valve Type/ Order No | Connection Size | Orifice Size | Pressure min/max | | Kv | Seal | | | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Opsiyon | | |
| | SS1016 | G | mm | Bar | Bar | l/min | Viton | EPDM | NBR | kg |
|  | SS1016.00.018 | 1/8" | 1.8 | 0 | 14 | 1-2=1.6, 1-3=1.5 | ✓ | ✓ | ✓ | 0,53 |
| | SS1016.00.025 | 1/8" | 2.5 | 0 | 10 | 1-2=3.2, 1-3=1.5 | ✓ | ✓ | ✓ | 0,53 |
| | SS1016.01.018 | 1/4" | 1.8 | 0 | 14 | 1-2=1.6, 1-3=1.5 | ✓ | ✓ | ✓ | 0,51 |
| | SS1016.01.025 | 1/4" | 2.5 | 0 | 10 | 1-2=3.2, 1-3=1.5 | ✓ | ✓ | ✓ | 0,51 |



### 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

TSS1016EN261014