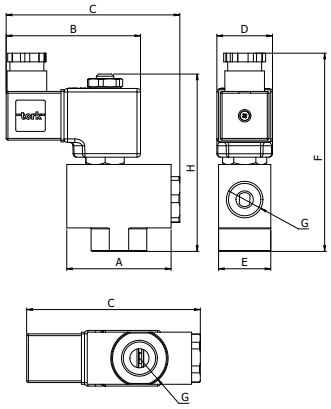
# High Pressure Low Temperature Stainless Steel
# **Solenoid Valve**
## **SS50** Series ( **G1/2"** )

SIVI SU HAVA & GAZ

- PILOT OPERATED
- NORMALLY CLOSED
- 2 / WAY
- ΔP=3






## General Features

- Solenoid valves are used with the filter.
- Solenoid valves can be mounted in any position without affecting its operation.
- Solenoid valfl to be used in a vertical position.
- Coil to be used in a vertical position.
- TORK SS5050 series stainless steel solenoid valve is a 2-way, pilot-operated, normally closed valve.
- Operating Temperature : -50 °C / +160 °C
- Operating Pressure Range 3-80 bar.

## Electrical Specifications

**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** : Silicone
**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 Specifications

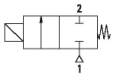
Response Time:
Opening Time : 400 ms - 500 ms
Closing Time : 400 ms - 500 ms

## Diaphragm Specifications

Silicone Seal: -50°C..+160°C

### Dimensions (mm)

| G | A | B | C | D | E | F | H |
|---|---|---|---|---|---|---|---|
| 1/2" | 60 | 78 | 100 | 32 | 30 | 114 | 102 |

| Solenoid Vave Symbol | Valve Type/ Order No | Connection Size | Orifice Size | Pressure min/max | | Kv | Seal | Weight |
|---|---|---|---|---|---|---|---|---|
|  | SS5050 | G | mm | Bar | Bar | L/min | Silicone | kg |
| | SS1010.00.018 | 1/2" | 10 | 3 | 80 | 1.6 | ✓ | 0,7 |



| Coils | Nominal Values | Cold/ Hot | Inrush | Holding | Current (A) | Surface Temperature (OC) |
|---|---|---|---|---|---|---|
| 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 |
| C40230VAC24VA | 230VAC 24VA | Cold | 45,1 | 23,92 | 0,0154 | 23 |
| | | Hot | - | 21,62 | 0,0154 | 100 |