# High Corrosion Resistance Solenoid Valve for Harsh Ozone Conditions

## **SS94** Series **(G1/2", G1")**

AIR & GAS

- 2 / WAY
- NORMALLY CLOSED
- ΔP=0

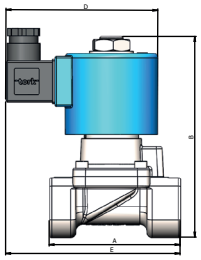
## Genel Özellikler

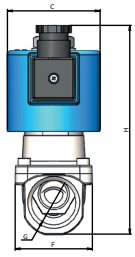
- Solenoid valves are used with the filter.
- Solenoid valves can be mounted in any position without affecting its operation.
- Solenoid valves to be used in a vertical position.
- Coil to be used in a vertical position.
- The TORK SS9400 Series stainless steel solenoid valve is a 2-way, pilot-operated, normally closed valve.
- Operating Temperature: : -20 °C / +160 °C
- Operating Pressure Range 0 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 230V 35VA
DC 24V 40W
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





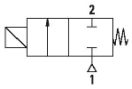
| Dimension (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|
| G | A | B | C | D | E | F | H |
| 1/2" | 78,5 | 122,5 | 63 | 103,5 | 111 | 52,5 | 128 |
| 1" | 90 | 136,5 | 63 | 103,5 | 119 | 52,5 | 142 |

## Materials in Contact With Fluid

**Body** : Stainless Steel (AISI 316)
**Internal Parts** : Stainless Steel
**Sealing** : PTFE
**Shading Ring** : Copper (EN 12735-1)
**Seats, Core Tube, Springs** : Stainless Steel

## Options

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

| Solenoid Vave Symbol | Valve Type/ Order No | Connection Size | Orifice Size | Pressure min/max | | Kv | Seal | Weight |
|---|---|---|---|---|---|---|---|---|
|  | SS9400 | G | mm | Bar | Bar | Lt/min | PTFE | kg |
| | SS940003125T | 1/2" | 12,5 | 0 | 2 | 48 | ✓ | 1,44 |
| | SS940005165T | 1" | 16,5 | 0 | 2 | 90 | ✓ | 1,65 |

## Technical Specifications

Response Time:
Opening Time : 400 ms - 500 ms ( G1/2", G1")
Closing Time : 400 ms - 500 ms ( G1/2", G1")

| Coils | Nominal Values | Cold/ Hot | (Inrush) | (Holding) | Current (A) | Surface Temperature (°C) |
|---|---|---|---|---|---|---|
| C50024VDC40W | 24VDC 40W | SOĞUK | 41,52 | 41,52 | 1,73 | 24 |
| | | SICAK | 30,20 | 30,20 | 1,26 | 95 |
| C50230VAC35VA | 230VAC 35VA | SOĞUK | 43,24 | 36,57 | 0,16 | 24 |
| | | SICAK | 41,40 | 34,73 | 0,15 | 102 |

## Diaphragm Specifications

PTFE : -10°C..+160°C