

## Stainless Steel Solenoid Valve SS1030 Series (G3/8", G1/2", G3/4", G1", G1 1/4", G1 1/2", G2")

### 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.
- Stainless steel solenoid valve
- SS1030 TORK Series Stainless Steel Valve 2/2 way normally close and pilot operated
- Working temperature: -10 °C / +80 °C
- Minimum pressure is 0.5 bar

### ELECTRICAL CHARACTERISTICS

|                          |                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| Continuous Duty          | : ED %100                                                                                                  |
| Coil Insulation Class    | : H (180°C)(IEC 85)                                                                                        |
| Coil Impregnation        | : Polyester 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 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 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**

**2/2 WAY**

**PILOT OPERATED**

$\Delta P=0,5$



WATER



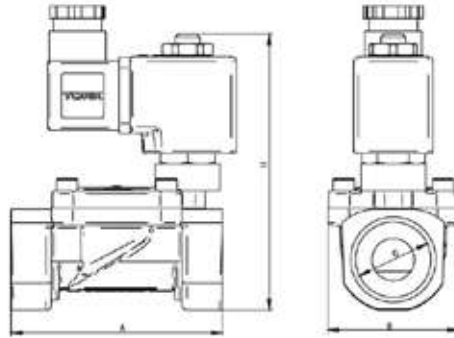
AIR



GAS

### Ölçüler (mm)

| G      | A   | B   | H   |
|--------|-----|-----|-----|
| 3/8"   | 79  | 52  | 98  |
| 1/2"   | 79  | 52  | 98  |
| 3/4"   | 75  | 58  | 118 |
| 1"     | 90  | 61  | 123 |
| 1 1/4" | 110 | 83  | 146 |
| 1 1/2" | 129 | 95  | 146 |
| 2"     | 150 | 110 | 157 |



| 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                       |
| C40230VAC24VA | 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 |
|----------------------|---------------------|-----------------|--------------|------------------|-----|-------|------|---------|------|--------|
|                      | SS1030              | G               | mm           | Bar              | Bar | l/min | NBR  | Opsiyon |      | kg     |
|                      |                     |                 |              |                  |     |       |      | Viton   | EPDM |        |
|                      | SS1030.02           | 3/8"            | 12,5         | 0,5              | 16  | 48    | ✓    | ✓       | ✓    | 1,08   |
|                      | SS1030.03           | 1/2"            | 12,5         | 0,5              | 16  | 48    | ✓    | ✓       | ✓    | 1,04   |
|                      | SS1030.04           | 3/4"            | 20           | 0,5              | 16  | 108   | ✓    | ✓       | ✓    | 1,06   |
|                      | SS1030.05           | 1"              | 25           | 0,5              | 16  | 172   | ✓    | ✓       | ✓    | 1,20   |
|                      | SS1030.06           | 1 1/4"          | 30           | 0,5              | 12  | 315   | ✓    | ✓       | ✓    | 3,45   |
|                      | SS1030.07           | 1 1/2"          | 39           | 0,5              | 12  | 430   | ✓    | ✓       | ✓    | 3,35   |
|                      | SS1030.08           | 2"              | 46           | 0,5              | 12  | 690   | ✓    | ✓       | ✓    | 3,78   |

### 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