

## General Purpose Solenoid Valves S1015 Series (G1/8", G1/4")

### 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      | : -10°C, +60°C                                                                                                   |
| Protection Degree        | : IP65 (ISO 60529) On request; IP68                                                                              |
| Electric Plug Connection | : DIN 46340 3- Poles Connector (DIN43650)                                                                        |
| Connector Specification  | : ISO 4400 / EN 175301-803 Form A,<br>Spade Plug (Cable Ø6-8 mm)                                                 |
| Electrical Safety        | : IEC 335                                                                                                        |
| Standard Voltages        | : AC 12V 15VA, 24V 15VA, 48V, 15VA, 110V 15VA,<br>230V 15VA, 230V 24VA<br>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                      | : Brass                         |
| Internal Parts            | : Stainless Steel               |
| Sealing                   | : VITON (On request; NBR, EPDM) |
| Shading Ring              | : Copper (EN 12735-1)           |
| Seats, Core Tube, Springs | : Stainless Steel               |

### OPTIONS

- Female connection: BSP; (On request NPT)
- On request CR-Ni plated, PTFE coated done
- On request Atex (exproof) coil.

### TECHNICAL FEATURES

Max. Viscosity : 5°E (-37cST veya mm²/s)

Response Time : Opening time : 30 ms

Closing Time : 30 ms

### SEALS FEATURES

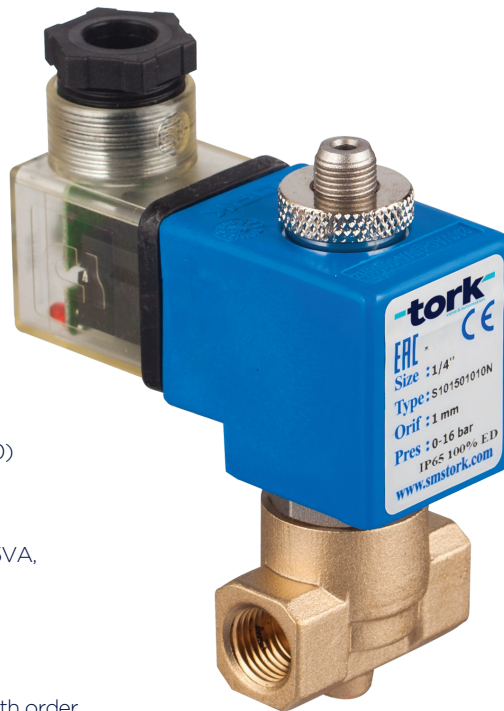
NBR : -10°C...+80°C

EPDM : -10°C...+130°C

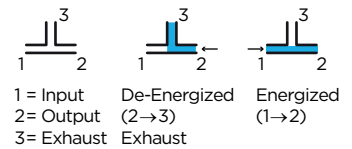
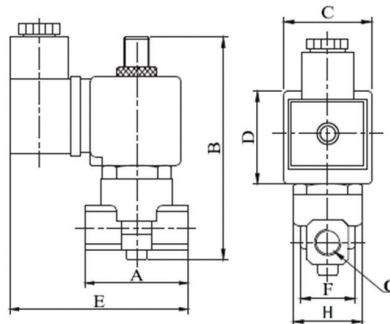
VITON : -10°C...+160°C

PTFE : -10°C...+160°C

RUBY : -10°C...+160°C



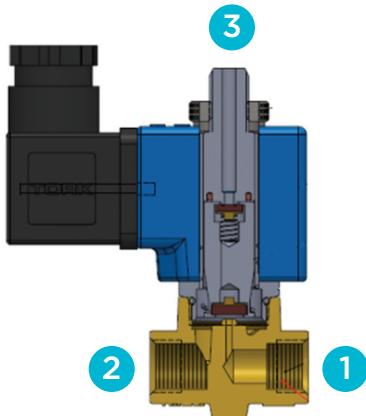
|                 |
|-----------------|
| NORMALLY CLOSED |
| 3 WAY           |
| DIRECT ACTING   |
| ΔP=0            |



### Dimensions (mm)

| G    | A  | B  | C  | D  | E  | F    | H    |
|------|----|----|----|----|----|------|------|
| 1/8" | 40 | 89 | 32 | 39 | 78 | 22.3 | 25.6 |
| 1/4" | 40 | 89 | 32 | 39 | 78 | 22.3 | 25.6 |

| 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    | HOT       | 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 Valve Symbol | Valve Type/ Order No | Connection Size | Orifice Size | Pressure min/max | Kv  | Seal  | Weight |
|-----------------------|----------------------|-----------------|--------------|------------------|-----|-------|--------|
|                       | S1015                | G               | mm           | Bar              | Bar | l/min | kg     |
|                       | S1015.00.018         | 1/8"            | 1.8          | 0                | 6   | 1.6   | 0,37   |
|                       | S1015.00.025         | 1/8"            | 2.5          | 0                | 3   | 3.2   | 0,37   |
|                       | S1015.01.018         | 1/4"            | 1.8          | 0                | 6   | 1.6   | 0,36   |
|                       | S1015.01.025         | 1/4"            | 2.5          | 0                | 3   | 3.2   | 0,36   |

### 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

## General Purpose Solenoid Valves S1016 Series (G1/8", G1/4")

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| Coil Insulation Class    | : H (180°C)(IEC 85)                                                                                              |
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| Ambient Temperature      | : -10°C, +60°C                                                                                                   |
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Frequency : 50 Hz (60 Hz...)

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EPDM : -10°C...+130°C

VITON : -10°C...+160°C



NORMALLY OPEN

3 WAY

DIRECT ACTING

ΔP=0



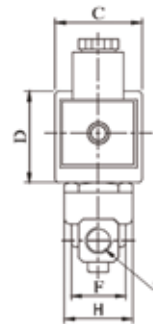
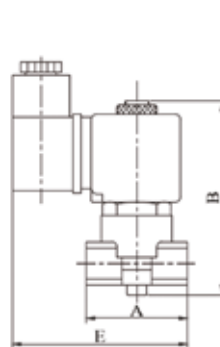
WATER



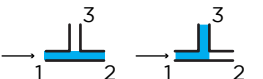
AIR



GAS



1 = Input  
2 = Output  
3 = Output

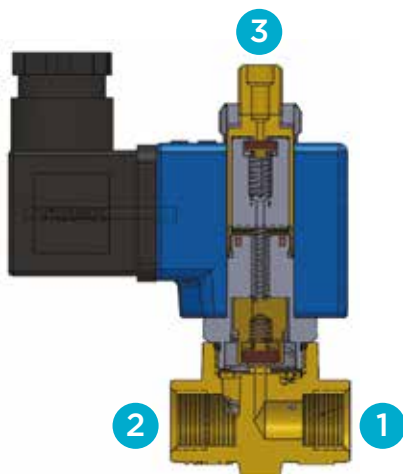


De-Energized (1→2)  
Energized (1→3)

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|               |                | HOT       | -      | 21,62   | 0,0154      | 100                      |



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|-----------------------|----------------------|-----------------|--------------|------------------|-----|-------|-------|--------|------|--------|
|                       | S1016                | G               | mm           | Bar              | Bar | lt/dk | Viton | Option |      | kg     |
|                       |                      |                 |              |                  |     |       |       | NBR    | EPDM |        |
|                       | S1016.00.018         | 1/8"            | 1.8          | 0                | 14  | 1,6   | ✓     | ✓      | ✓    | 0,39   |
|                       | S1016.00.025         | 1/8"            | 2.5          | 0                | 10  | 3,2   | ✓     | ✓      | ✓    | 0,37   |
|                       | S1016.01.018         | 1/4"            | 1.8          | 0                | 14  | 1,6   | ✓     | ✓      | ✓    | 0,37   |
|                       | S1016.01.025         | 1/4"            | 2.5          | 0                | 10  | 3,2   | ✓     | ✓      | ✓    | 0,37   |

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