

## Fuel Oil Solenoid Valve S4011 Series (G1/8", G1/4")

### GENERAL FEATURES

- Wide pressure range, flow rate and orific options.
- Solenoid valves are used with filters.
- 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,<br>Spade Plug (Cable Ø6-8 mm)                                     |
| Electrical Safety        | : IEC 335                                                                                            |
| Standard Voltages        | : AC 12V 15VA, 24V 15VA, 48V 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, Brass |
| Sealing                   | : Ruby                   |
| 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 or mm²/s)

Response Time : Opening time : 30 ms  
Closing Time : 30 ms

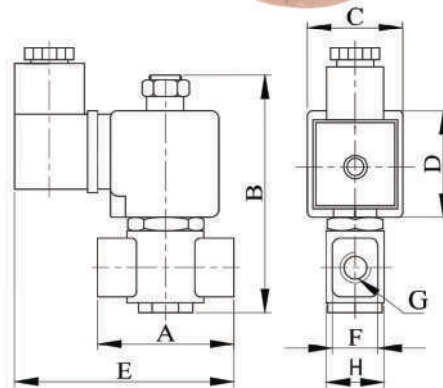
### SEALS FEATURES

|       |                  |
|-------|------------------|
| NBR   | : -20°C...+80°C  |
| EPDM  | : -30°C...+130°C |
| VITON | : -20°C...+160°C |
| PTFE  | : -10°C...+160°C |
| RUBY  | : -10°C...+160°C |

### 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



**NORMALLY OPEN**

**2/2 WAY**

**DIRECT ACTING**

$\Delta P=0$



**FUEL**

### Dimensions (mm)

|      | G  | A  | B  | C  | D  | E  | F    | H |
|------|----|----|----|----|----|----|------|---|
| 1/8" | 40 | 82 | 32 | 39 | 74 | 18 | 25.6 |   |
| 1/4" | 40 | 82 | 32 | 39 | 74 | 18 | 25.6 |   |

| Coils         | Nominal Values | Cold/ Hot   | Inrush         | Holding        | Current (A)      | Surface Temperature (°C) |
|---------------|----------------|-------------|----------------|----------------|------------------|--------------------------|
| C40012VDC18W  | 12VDC 18W      | COLD<br>HOT | 19,56<br>14,52 | 19,56<br>14,52 | 1,63<br>1,21     | 20<br>106                |
| C40024VDC18W  | 24VDC 18W      | COLD<br>HOT | 20,88<br>14,64 | 20,88<br>14,64 | 0,87<br>0,61     | 25<br>116                |
| C40110VDC18W  | 110VDC 18W     | COLD<br>HOT | 19,96<br>13,56 | 19,96<br>13,56 | 0,18<br>0,123    | 23<br>115                |
| C40012VAC15VA | 12VAC 15VA     | COLD<br>HOT | 23,81<br>-     | 16,43<br>15,86 | 1,3<br>1,262     | 25<br>79                 |
| C40024VAC15VA | 24VAC 15VA     | COLD<br>HOT | 25,82<br>-     | 15,02<br>13,91 | 0,62<br>0,57     | 22<br>81                 |
| C40110VAC15VA | 110VAC 15VA    | COLD<br>HOT | 30,65<br>-     | 15,17<br>13,96 | 0,137<br>0,126   | 24<br>80                 |
| C40230VAC15VA | 230VAC 15VA    | COLD<br>HOT | 31,4<br>-      | 15,64<br>14,41 | 0,068<br>0,063   | 25<br>80                 |
| C40230VAC24VA | 230VAC 24VA    | COLD<br>HOT | 45,1<br>-      | 23,92<br>21,62 | 0,0154<br>0,0154 | 23<br>100                |

| Solenoid Valve Symbol | Valve Type/ Order No | Connection Size | Orifice Size | Pressure min/max | Kv    | Seal | Weight |
|-----------------------|----------------------|-----------------|--------------|------------------|-------|------|--------|
|                       | S4011                | G               | mm           | Bar Bar          | Lt/dk | Ruby | kg     |
|                       | S4011.00.025         | 1/8"            | 2.5          | 0 30             | 3.2   | ✓    | 0,38   |
|                       | S4011.00.030         | 1/8"            | 3            | 0 22             | 4,6   | ✓    | 0,38   |
|                       | S4011.00.032         | 1/8"            | 3,2          | 0 20             | 5     | ✓    | 0,38   |
|                       | S4011.01.025         | 1/4"            | 2,5          | 0 30             | 3,2   | ✓    | 0,37   |
|                       | S4011.01.030         | 1/4"            | 3            | 0 22             | 4,6   | ✓    | 0,37   |
|                       | S4011.01.032         | 1/4"            | 3,2          | 0 20             | 5     | ✓    | 0,37   |