

## Water Hammer Solenoid Valve S1111 Series (G1, G3/4")

**NORMALLY OPEN**

**2/2 OPERATED**

**PILOT OPERATED**

### GENERAL FEATURES

- New design
- TORK S1111 series (N.O) diaphragm solenoid valves are 2/2 way and pilot operated.
- Suitable for non-aggressive liquids (water, oil, etc.) and gases (air, inert gases, etc.).
- Minimum operating differential pressure is 0.5 bar.
- Wide pressure range with various flow rate and orifice options available.
- TORK solenoid valves comply with 97/23/EC Pressure Equipment Directive (PED) and 2006/95/EC Low Voltage Directive (LVD).
- Use of a filter is recommended for solenoid valves.
- Solenoid valves can be installed in any position without affecting performance.
- The coil should preferably be positioned vertically upwards.
- Standard connection is G (BSP) (ISO 228-1); NPT (ANSI 1.20.3) connections are available upon request.
- S1111 solenoid valves provide fast opening. Closing time can be adjusted via the adjustment screw. For applications requiring the valve to remain open for long periods, the valve can be kept continuously open by adjusting the screw.

### ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)
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, 24V, 48V, 110V, 230V DC 12V, 24V, 48V, 110V

On request other voltages

Voltages Tolerance : AC -15%, +10% DC -5%, +10%

Frequency : 50 Hz, İstek üzerine diğer frekanslar; (60 Hz...)

On request; Connector with LED

Socket Specify coil voltage with order

### MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel, Brass
Sealing	: NBR(On request; EPDM, VITON)
Shading Ring	: Copper
Seats, Core Tube, Springs	: Stainless Steel, Brass

### TECHNICAL FEATURES

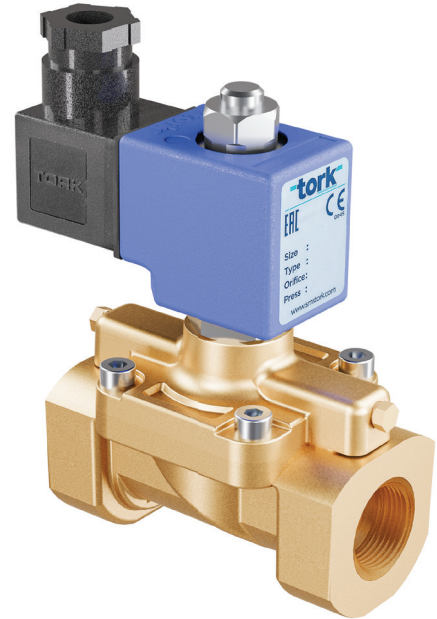
Max Viskozite : 5°E (~37cST veya /s)

Response Time : Opening time: 400 ms -1600 ms

Closing Time: 1000 ms -2000 ms

### SEALS FEATURES

NBR : -20°C...+80°C



Solenoid Valve Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max	Kv	Seal min/max	Weight		
	S1111	G	mm	Bar	Bar	lt/dk	°C	kg	
	S1111.04.170	3/4"	17	0,5	12	85	-20	+80	0,9
	S1111.05.170	1"	17	0,5	12	90	-20	+80	1

### 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