OXYGEN AND HYDROGEN GAS SOLENOID VALVES
2/2 WAY, NA
G 1/8”...G1/4”

GENERAL FEATURES
- TORK series S8811 (NA) solenoid valves are 2/2 way
- Suitable for non-aggressive liquids (water, light oil etc...) and gaseous fluids (air, oxygen gas and hydrogen gas etc...)
- Minimum operating pressure differential 0 bar
- Wide pressure ratings, range of flow rate and orifice options
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/ECC Low Voltage Directive (LVD)Coils are interchangeable
- Solenoid valves must be used with filtered fluids.
- Solenoids valve can be mounted in any position without affecting operation; vertical with coil upwards preferred
- Standard pipe connection is G (BSP) (ISO 228-1) and on request; other pipe connections are available (NPT (ANSI 1.20.3))

ELECTRICAL CHARACTERISTICS
- Continuous Duty: ED %100
- Coil Insulation Class: H (180°C)
- Coil Impregnation: Polyester Fiber Class
- Coil Encapsulation Material: Fiber Glass Reinforced
- Ambient Temperature: from -10°C, +60°C
- Protection Degree: IP65 (ISO 60529) on request; IP68
- Electric Plug Connection: DIN 43650 3-poles connector (DIN 43650)
- Connector Specification: ISO 4400 / EN 175301-803 Form A, Spade Plug (Cable Ø6-8 mm)
- Electrical Safety: IEC 335
- Other voltages on request;
- Voltage Tolerances: For AC -15%, +10%
  For DC -5%, +10%
- Frequency: 50 Hz, other frequencies on request; (60 Hz...)
  Other request; connector with LED
  Specify coil voltage with order

MATERIALS ON CONTACT WITH FLUID
- Body: Brass
- Sealing: EPDM
- Core, Tube, Spring: Stainless Steel

TECHNICAL FEATURES
- Max Viscosity: 5°E (~37cST or m²/s)
- Response Time: Opening Time: 400 ms to ~1600 ms
  Closing Time: 1000 ms to ~2000 ms

<table>
<thead>
<tr>
<th>Valve Type</th>
<th>Connection Size</th>
<th>Orifice Size</th>
<th>Pressure min/max</th>
<th>Kv</th>
<th>Fluid Temperature min/max</th>
<th>Seal</th>
<th>Weight</th>
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<tbody>
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<td>1,8</td>
<td>0 12</td>
<td>1,6</td>
<td>-10 +140</td>
<td>EPDM</td>
<td>0,36</td>
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