FEATURES
- 2-way diaphragm valves
- All PTFE wetted parts
- High cycle life
- Uses low power
- Low internal volume
- Requires no pressure to operate

MEDIA COMPATIBILITY
Liquids and gases

PHYSICAL PROPERTIES
- Operating environment: 4 to 66 °C
- Weight (e.g. 3-way, 1/8" NPT body): 71 g
- Porting: 1/4"-28 threaded ports
- Internal volume: 49 µl

WETTED MATERIALS
- Materials contacting media:
  - PTFE
- Body:
  - PTFE

ELECTRICAL
- Power: 2.5, 4.2 W
- Voltage: 12, 24 V_{dc}
- Current/Resistance (Ω ±5% @ 21 °C):
  - 12 V_{dc}: 211 mA/57 Ω
  - 24 V_{dc}: 173 mA/139 Ω
PERFORMANCE CHARACTERISTICS

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Pressure</th>
<th>Orifice sizes</th>
<th>Leak rate</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Ordering</td>
<td>Vacuum...1.4 bar (20 psi)</td>
<td>0.060&quot; (1.52 mm)</td>
<td>Bubble tight</td>
<td>20 ms</td>
</tr>
</tbody>
</table>

FLOW CURVES

Air flow, 0.060" orifice

![Flow Curve Graph for Air Flow]

Water flow, 0.060" orifice

![Flow Curve Graph for Water Flow]
Series 2
Inert isolation solenoid valves

OUTLINE DRAWING

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Type</th>
<th>Operating Pressure</th>
<th>Orifice</th>
<th>Voltage</th>
<th>Porting</th>
</tr>
</thead>
<tbody>
<tr>
<td>002-0017-900</td>
<td>2-way NC</td>
<td>Vac...1.4 bar</td>
<td>1.52 mm</td>
<td>12 V&lt;sub&gt;DC&lt;/sub&gt;</td>
<td>1/4&quot;-28</td>
</tr>
<tr>
<td>002-0010-900</td>
<td></td>
<td>(20 psi)</td>
<td>(0.060&quot;)</td>
<td>24 V&lt;sub&gt;DC&lt;/sub&gt;</td>
<td></td>
</tr>
</tbody>
</table>

PTFE insulated lead wires
# 26 AWG x 24" (61 cm) long

Outlet port (common)
1/4"-28 UNF-2B

Inlet port (N.C.)
1/4"-28 UNF-2B.

# 6-32 UNC-28 x 0.20" (5.1 mm) min. DP 4 pl. eq. sp. on 0.700" (17.8 mm) B.C.

dimensions in inches (mm)

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