DSVP15N DISPENSE VALVE

2-Way, direct-acting, gravity fed solenoid valve designed to dispense water or similar media from a tank.

Applications
- Hot & cold drink dispensers
- Tank or boiler draining
- Water purification equipment
- Potable water applications

Features
- UR, cUR, NSF, ENEC, & WRAS Cert. (select models)
- Removable outlet port
- Multiple connection options
- Flow adjuster option
- Coil orientation every 45°
- Rectified AC coils [1]

Electrical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coil Voltages</td>
<td>24, 100, 120, 200, 240 VAC 50,60 Hz [1]</td>
</tr>
<tr>
<td>Coil Power</td>
<td>AC valves 12W</td>
</tr>
<tr>
<td>Coil Terminals</td>
<td>0.25” x 0.03” spade terminals</td>
</tr>
<tr>
<td>Coil Rectification</td>
<td>Full wave rectifier available for AC coils (may impact certifications)</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>50%, 1 minute on</td>
</tr>
<tr>
<td>Coil Treatment</td>
<td>Polyester encapsulated</td>
</tr>
<tr>
<td>Insulation Class</td>
<td>Class F (155° C)</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>45° C max.</td>
</tr>
</tbody>
</table>

Mechanical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Media</td>
<td>Water up to 210° F</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td>0-24 inches (0-60 mbar)</td>
</tr>
<tr>
<td>Operating Position</td>
<td>Any position between horizontal and facing up. Use of vent tube limits orientation.</td>
</tr>
<tr>
<td>Mounting Bracket</td>
<td>No</td>
</tr>
<tr>
<td>Inlet / Outlet Connections</td>
<td>See options on subsequent pages.</td>
</tr>
<tr>
<td>Vent Tube Option</td>
<td>Available on request - See drawing on subsequent pages.</td>
</tr>
<tr>
<td>Valve Body Material</td>
<td>PSU - Polysulfone</td>
</tr>
<tr>
<td>Diaphragm Material</td>
<td>VMQ - Silicone</td>
</tr>
<tr>
<td>Weight</td>
<td>5.5 oz.</td>
</tr>
<tr>
<td>Agency Approvals</td>
<td>UR, cUR, NSF, ENEC, WRAS on Select Models</td>
</tr>
<tr>
<td>Patents</td>
<td>US Patent 7,938,383</td>
</tr>
</tbody>
</table>

[1] AC coils are internally rectified. The rectifiers may require protection from transient voltages. It is recommended that a metal-oxide varistor (MOV) be placed in parallel at the coil.
DSVP15N

Dimensional View
Units: Inches [mm]

Inlet Options
See Below

Optional Vent Tube

Flow Adjuster

Port Options
Units: Inches [mm]

Inlet Ports

Outlet Port

Custom port options available. Tooling charges apply.

Specifications subject to change without notice

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Flow Data

Flow data is approximate and will be affected by application variables. User must verify performance in their application.

Water temperature at 23°C
Valve tested with vent tube

Flow Rate (l oz/sec)

Inlet Pressure (in w.c.)

Flow Adjuster Full Open  Flow Adjuster Half Open
Grommet Seal Options (Silicone)

Units: Inches [mm]

**PART NO.: 70127-00**
SECTION A-A

- .49 [12.5]
- .99 [25.1]
- .83 [21.0]
- .12 [3.0]
- Ø.47 [11.9]

**PART NO.: 70127-02**
SECTION B-B

- .49 [12.5]
- .89 [22.5]
- .83 [21.0]
- .12 [3.0]
- Ø.58 [14.8]

**PART NO.: 70127-01**
SECTION C-C

- .47 [12.0]
- .87 [22.0]
- .83 [21.0]
- .12 [3.0]

Specifications subject to change without notice

Rev 08/10/12
Ordering Information - Non-Standard Configurations
(Minimum Quantities Apply)

When ordering, please provide as much of the following information as possible to help specify the appropriate valve configuration for your application. If you require assistance, please contact a Deltrol Controls Sales Engineer:

1. What voltage will be supplied to the valve?
   - 12VDC
   - 24VDC
   - 36VDC
   - 24VAC 50/60Hz
   - 100VAC 50/60Hz
   - 110/120VAC 50/60Hz
   - 200VAC 50/60Hz
   - 220/240VAC 50/60Hz

2. What inlet port option does your application require? (See Port Options on page 2)

3. Will your application require a vent tube? (See Dimensional View on page 2)

4. How should the frame leg be positioned
   - Position 1, 2, or 3 (Position 2 Standard)

5. How should the coil terminals be oriented relative to the frame leg.
   - 0°, 45°, 90°, 135°, 180° (90° standard)

6. What coil spade terminal configuration will your application require?
   - Straight, as shown in the Dimensional View on page 2
   - Bent up, away from valve body (45° or 90°)
   - Bent down, towards valve body (45° or 90°)

7. Do you require a grommet seal? (See Seal Options on page 4)
   - Yes - Indicate part number 70127-00, 70127-01, or 70127-02
   - No
DSVP15N

Ordering Information - Standard Configurations

The parts listed below are standard configurations that are typically available through distribution. Please contact your nearest Deltrol distributor for small volume pricing.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Model</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>73010-80</td>
<td>DSVP15N-24D-AM</td>
<td>24 VDC</td>
</tr>
<tr>
<td>73011-80</td>
<td>DSVP15N-120E-AM</td>
<td>110/120 VAC 50/60 Hz</td>
</tr>
<tr>
<td>73011-81</td>
<td>DSVP15N-240E-AM</td>
<td>220/240 VAC 50/60 Hz</td>
</tr>
</tbody>
</table>

- COIL TERMINATION: 0.25x0.03 TERMINALS (ORIENTED OPPOSITE INLET PORT)
- ADJUSTABLE FLOW
- INLET PORT: Ø0.50 [12.7] FOR GROMMET SEAL
- OUTLET PORT: Ø0.50 [12.7] BARB
- VALVE BODY MATERIAL: PSU - POLYSULFONE
- DIAPHRAGM MATERIAL: VMQ - SILICONE
- SILICONE VENT TUBE - LEFT OF INLET PORT
- AC COILS ARE INTERNALLY RECTIFIED

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Model</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>73012-80</td>
<td>DSVP15N-24D-AM</td>
<td>24 VDC</td>
</tr>
<tr>
<td>73013-80</td>
<td>DSVP15N-120E-AM</td>
<td>110/120 VAC 50/60 Hz</td>
</tr>
<tr>
<td>73013-81</td>
<td>DSVP15N-240E-AM</td>
<td>220/240 VAC 50/60 Hz</td>
</tr>
</tbody>
</table>

- COIL TERMINATION: 0.25x0.03 TERMINALS (ORIENTED OPPOSITE INLET PORT)
- ADJUSTABLE FLOW
- INLET PORT: Ø0.59 [15.0] FOR GROMMET SEAL
- OUTLET PORT: Ø0.50 [12.7] BARB
- VALVE BODY MATERIAL: PSU - POLYSULFONE
- DIAPHRAGM MATERIAL: VMQ - SILICONE
- SILICONE VENT TUBE - LEFT OF INLET PORT
- AC COILS ARE INTERNALLY RECTIFIED

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>73004-00</td>
<td>SILICONE DIAPHRAGM</td>
</tr>
</tbody>
</table>

- SILICONE MATERIAL FOR POTABLE WATER APPLICATIONS

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