DSVP10N 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
• Ice maker equipment
• Water purification equipment
• Potable water applications

Features
• UR, cUR, & NSF Cert.
• 18 inches w.c. head pressure
• High flow capacity
• Fixed or adjustable flow

Electrical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coil Voltages</td>
<td>24 VAC 60 Hz, 110/120, 220/240 VAC 50/60 Hz</td>
</tr>
<tr>
<td>Coil Power</td>
<td>11W Continuous</td>
</tr>
<tr>
<td>Coil Terminals</td>
<td>0.25” x 0.03” spade terminals</td>
</tr>
<tr>
<td>Coil Rectification</td>
<td>Not available</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>Cont = 100%</td>
</tr>
<tr>
<td>Coil Treatment</td>
<td>Polyester encapsulated</td>
</tr>
<tr>
<td>Insulation Class</td>
<td>Class F (155º C)</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>35º C</td>
</tr>
</tbody>
</table>

Mechanical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Media</td>
<td>Water up to 99º C with Polysulfone bodies</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td>0-18 inches water column (higher pressure available on request)</td>
</tr>
<tr>
<td>Operating Position</td>
<td>Any position between horizontal and facing up.</td>
</tr>
<tr>
<td>Mounting Bracket</td>
<td>Available in any 90º increment - see details on subsequent pages</td>
</tr>
<tr>
<td>Inlet / Outlet Connections</td>
<td>For Ø.625 ID tubing</td>
</tr>
<tr>
<td>Vent Tube Option</td>
<td>Not available</td>
</tr>
<tr>
<td>Valve Body Material</td>
<td>PSU - Polysulfone, PA66 - Nylon</td>
</tr>
<tr>
<td>Diaphragm Material</td>
<td>VMQ - Silicone</td>
</tr>
<tr>
<td>Weight</td>
<td>14 oz.</td>
</tr>
</tbody>
</table>

Agency Approvals

| Agency Approvals | UR, cUR, NSF |
DSVP10N

Dimensional View
Units: Inches [mm]

Mounting Bracket Orientation Options

Left of inlet port
Front over inlet port
Right of inlet port
Back opposite of inlet port
Flow Data

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

* Water @ 23° C

Flow * (Fluid Ounces per Second)

Head Pressure (Inches of Water)
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 • 24VAC 50/60Hz
   • 24VDC • 110/120VAC 50/60Hz
   • 36VDC • 220/240VAC 50/60Hz

2. What duty cycle do you require?
   • Intermittent (standard) • Continuous

3. What valve body material do you require?
   • Polysulfone • Nylon

4. Do you require a flow adjuster? (See Dimensional View on page 2)
   • No • Yes

5. How do you want the mounting bracket oriented? (See Mounting Bracket Orientation Options on page 2)
   • Front over inlet port • Right of inlet port
   • Left of inlet port • Back opposite inlet port

6. How do you want the terminals oriented?
   • Opposite the mounting bracket
   • Over the mounting bracket

7. What coil spade terminal configuration do you require?
   • Straight as shown in the Dimensional View on page 2
   • Bent up (either 45° or 90°), away from valve body
   • Bent down (either 45° or 90°), towards valve body

8. What is the head pressure in your application in inches of water column?
### 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>70036-80</td>
<td>DSVP10N-40-8S3F</td>
<td>24 VDC</td>
</tr>
<tr>
<td>70037-80</td>
<td>DSVP10N-40-2S3F</td>
<td>110/120 VAC 50/60 HZ</td>
</tr>
<tr>
<td>70037-81</td>
<td>DSVP10N-40-3S3F</td>
<td>220/240 VAC 50/60 HZ</td>
</tr>
</tbody>
</table>

- COIL TERMINATION: 0.25x0.03 TERMINALS (ORIENTED TO LEFT OF INLET PORT)
- FIXED FLOW
- INLET PORT: Ø0.69 WITH Ø0.77 BARB
- OUTLET PORT: Ø0.69 WITH Ø0.77 BARB
- VALVE BODY MATERIAL: PSU - POLYSULFONE
- DIAPHRAGM MATERIAL: VMQ - SILICONE
- STANDARD MOUNTING BRACKET (ORIENTED TO RIGHT OF INLET PORT)
- NO VENT TUBE

### Part Number | Description
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70007-00 | SILICONE DIAPHRAGM

- SILICONE MATERIAL FOR POTABLE WATER APPLICATIONS

For other part inquiries please call our factory.