HIGH PRESSURE SOLENOID VALVE

SVH-111/SVH-112 Series

- Stainless Steel Construction
- NEMA 4 and 7
- Pressures up to 10,000 psi (Depending on Model)

The SVH-110 Series direct acting solenoid valves are normally closed valves that open when energized and close when de-energized. When the coil is energized the plunger lifts the piston off the valve seat, opening the valve. Upon de-energizing the coil, a spring closes the piston to seat it. The normally open valve operates similarly, closing when energized and opening when de-energized. No minimum pressure is required.

The SVH-110 Series are used to control the flow of high pressure air, water, hydrogen, nitrogen and other gases or light liquids compatible with materials of construction. They are also suitable for cryogenic applications.

SPECIFICATIONS
Materials of Construction
Fluid Shipping Weight: 48 oz (3 lb)
Temperature: -212 to 204°F (-350 to 400°F)
Valve Body: 316 SS
Piston/Seal: 303 SS/FEP
O-Ring Seal: FEP

Spring: 302 SS
Plunger: 430 SS
Bonnet: 316 SS/430 SS
Bonnet Retainer: 430 SS
Port Connections: ¼ NPT
Cv: 0.005 (SVH-111), 0.02 (SVH-112)

Electrical
Power: 22 Watts
AC Inrush: 2.5 Amp @ 120 Vac
AC Holding: 0.2 Amp at 120 Vac
Insulation: Class “H”
Duty: Continuous
Enclosure: NEMA 4 and 7
Connection: ½ NPT, 457 mm (18") leads

To Order

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Coil Voltage</th>
<th>Port Diameter mm (inch)</th>
<th>Maximum Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVH-111</td>
<td>120 Vac</td>
<td>0.48 (0.019)</td>
<td>10,000 psig</td>
</tr>
<tr>
<td>SVH-111-24A</td>
<td>24 Vac</td>
<td>0.48 (0.019)</td>
<td>10,000 psig</td>
</tr>
<tr>
<td>SVH-111-240A</td>
<td>240 Vac</td>
<td>0.48 (0.019)</td>
<td>10,000 psig</td>
</tr>
<tr>
<td>SVH-111-24D</td>
<td>24 Vdc</td>
<td>0.48 (0.019)</td>
<td>5000 psig</td>
</tr>
<tr>
<td>SVH-111-120D</td>
<td>120 Vdc</td>
<td>0.48 (0.019)</td>
<td>5000 psig</td>
</tr>
<tr>
<td>SVH-112</td>
<td>120 Vac</td>
<td>0.81 (0.032)</td>
<td>4000 psig</td>
</tr>
<tr>
<td>SVH-112-24A</td>
<td>24 Vac</td>
<td>0.81 (0.032)</td>
<td>4000 psig</td>
</tr>
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<td>SVH-112-240A</td>
<td>240 Vac</td>
<td>0.81 (0.032)</td>
<td>4000 psig</td>
</tr>
<tr>
<td>SVH-112-24D</td>
<td>24 Vdc</td>
<td>0.81 (0.032)</td>
<td>2000 psig</td>
</tr>
<tr>
<td>SVH-112-120D</td>
<td>120 Vdc</td>
<td>0.81 (0.032)</td>
<td>2000 psig</td>
</tr>
</tbody>
</table>

Comes complete with operator's manual.
For units with a DIN electrical connector add “-DIN” to the model number, for an additional charge.
For units for Hydrogen service (Helium leak test) add “-HY” to the model number, for an additional charge.
For Normally Open valve configuration add “-NO” to the model number, for an additional charge.
For Oxygen cleaned units add “-OX” to the model number, for an additional charge.
For units with Straight Thread J1926 with O-ring seal add “-ST” to the model number, for an additional charge.
For units with a Flared Tubing connection add “-TC” to the model number, for an additional charge.
For units to be installed in any orientation add “-UM” to the model number, for an additional charge.

Ordering Examples: SVH-111-DIN, 120 Vac, 10,000 psi, ¼ NPT solenoid with DIN electrical connector.
SVH-111-OX, oxygen cleaned, 120 Vac, 10,000 psi, ¼ NPT solenoid.