

# 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°C (-350 to 400°F)

Valve Body: 316 SS

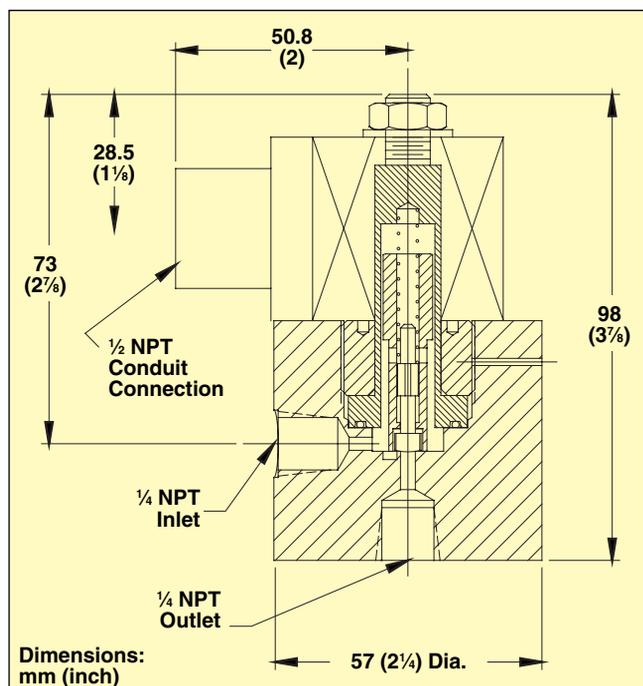
Piston/Seal: 303 SS/FEP

O-Ring Seal: FEP



SVH-111 shown smaller than actual size.

- 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



**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.

To Order			
Model No.	Coil Voltage	Port Diameter mm (inch)	Maximum Pressure
SVH-111	120 Vac	0.48 (0.019)	10,000 psig
SVH-111-24A	24 Vac	0.48 (0.019)	10,000 psig
SVH-111-240A	240 Vac	0.48 (0.019)	10,000 psig
SVH-111-24D	24 Vdc	0.48 (0.019)	5000 psig
SVH-111-120D	120 Vdc	0.48 (0.019)	5000 psig
SVH-112	120 Vac	0.81 (0.032)	4000 psig
SVH-112-24A	24 Vac	0.81 (0.032)	4000 psig
SVH-112-240A	240 Vac	0.81 (0.032)	4000 psig
SVH-112-24D	24 Vdc	0.81 (0.032)	2000 psig
SVH-112-120D	120 Vdc	0.81 (0.032)	2000 psig

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.