

# V70900-39

## 3-Way High Flow Air Pilot Solenoid Valve



Valcor Engineering Corporation



### DESCRIPTION

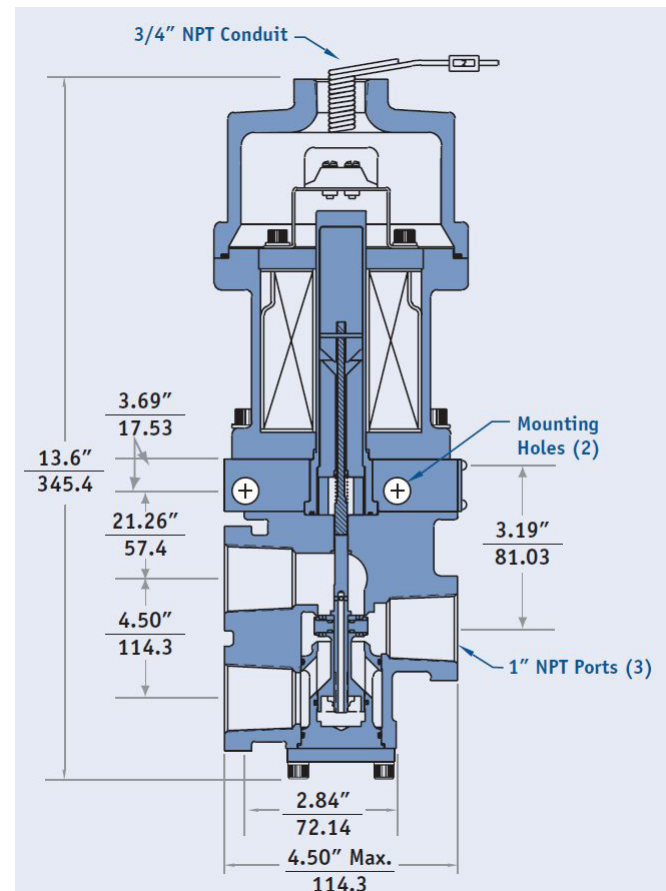
V70900-39 are high flow 3-way valves specifically designed for pneumatic service in nuclear power stations. Their highly efficient low wattage coils enable continuous duty service without generating excess heat that shortens the life of conventional solenoid valves. The elastomeric poppet seals ensure bubble-tight shut-off. They are direct acting, and do not require system pressure to operate. V70900-39 employ a NEMA 4 solenoid housing that protects the solenoid coil from the steam, boric acid/sodium hydroxide spray, temperature, ambient pressure and radiation requirements of a LOCA situation. They are qualified to the latest IEEE 323 requirements for active valves.

### APPLICATION

V70900-39 3-way solenoid valves are designed to act as air pilots for other safety related valves.

### FEATURES

- Cast bronze body
- Requires less than 15 watts of power
- NEMA 4 stainless steel coil housing
- Stainless steel poppets seal on elastomeric seal
- High flow with Cv of 6.0
- Usable in Normally Closed, Normally Open and Diverter Configurations
- Mountable in any orientation
- Qualified for inside containment service
- Radiation Resistance: Standard at  $2 \times 10^{-8}$  rads
- Qualified to IEEE 323 and 344
- Optional mounting bracket available



Inches  
Millimeters

Custom designs are our specialty. Contact us today to see how we can help on your next project.

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### Operating Pressure & Flow Ratings

Operating Modes Normally Open/Closed	Cv	Operating Pressure (PSIG)	Ambient Temp.	Min. Volts DC
NO and NC	6.0	0-150	150°F	125

### Specifications

Valve	ASME B31.1 compliance
Solenoid Operator	NEMA 4 compliant Class H magnet wire 15 watts @ 120 VAC or 125 VDC and 72°F continuous duty Internal terminal block standard Qualified connector (ESCA/QDC) available
Line Connection	NPT ports
Body Material	Cast bronze standard

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