



**INSTALLATION**

Install the unit with leads up and horizontal piping; Inlet port horizontal. Avoid Teflon tape, pipe dope or other foreign material from entering the unit. We recommend the use of a 100 micron filter. Ferrous metals, magnets and electromagnets will affect the operation of the unit. Use contact protection for longer reed switch life.

**SET SWITCH ACTUATION POINT**

Increasing flow actuation point: Turn Vane to align with "O" full open, Set flow to rate desired, Turn Vane CW until switch actuates. Decreasing flow actuation: When switch actuate turn Vane CCW until switch contact opens.

**MAINTENANCE**

Unscrew the Clean-out Plug. Use a magnet to remove the piston from the body. Clean piston and body. Replace piston in the same orientation as it was removed. The position of the reed switch is factory set and should not be changed.

**REED SWITCH REPLACEMENT**

- Shut flow OFF
- Loosen two screws and remove Reed switch assembly from body and replace
- Install two screws but do not tighten
- Move Reed switch assembly downward until contact closure occurs
- Move Reed switch assembly upward until switch contacts open
- Tighten the two retaining screws
- Cycle unit ON and OFF to test

**REPLACEMENT PARTS**

Seal Kits: PN; A912V-Viton, Reed Switch Assembly; PN; A149SPSTA1222, PN; A149SPDTA1222

**SWITCH CONFIGURATION**

Normally Open (N.O.) - Reed switch contacts are open with no flow and close on increasing flow  
 Single Pole Double Throw (SPDT); White- Common, Blue - Normally Open, Green - Normally Closed

SWITCH DATA	Single Pole Single Throw (SPST)	Single Pole Double Throw (SPDT)
Maximum Switching Voltage	200 VDC / 150 VAC	175 VDC / 120 VAC
Maximum Switching Current	1.0 A (DC) / 0.7 A (AC)	0.25 A (DC) / 0.25 A (AC)
Contact Rating	50 W (DC) / 70 VA (AC)	5 W (DC) / 5 VA (AC)