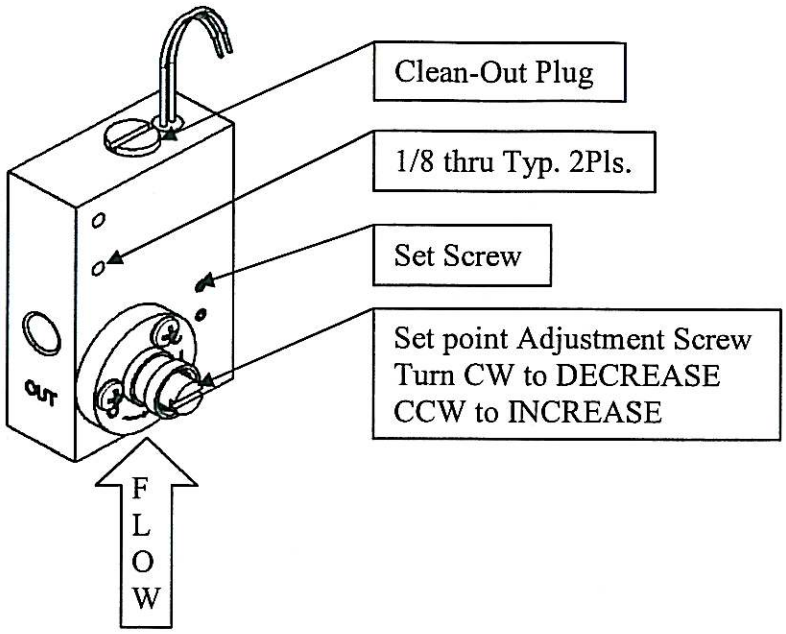
Chem Tec Equipment Company, 234 S. W. 12th Avenue, Deerfield Beach, FL 33442, Phone (954) 428-8259, www.chemtec.com

INSTALLATION AND MAINTENANCE 125BP SERIES



INSTALLATION

Install the unit within 7 degrees of vertical; Inlet at the bottom. Do not over tighten fittings on the Teflon unit. Avoid Teflon tape, pipe dope or other foreign material from entering the unit. We recommend the use of a 10 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 Adjustment Screw CCW to full open, Set flow to rate desired, Turn Adjustment Screw CW until switch actuates. Decreasing flow actuation: reverse previous procedure.

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. A torque of 14 in-oz is recommended for Teflon models. The position of the reed switch is factory set and should not be changed.

REED SWITCH REPLACEMENT

Shut flow OFF
Loosen set screws using 1/16 Allen wrench
Remove Reed switch assembly from body and replace
Normally Open; move switch downward until contact closure occurs
Move Reed switch assembly upward until switch contacts open
Normally Closed; move switch downwards until contacts close and reopens
Then move Reed switch assembly upwards until contacts close
Gently tighten set screws
Cycle unit ON and OFF to test

REPLACEMENT PARTS

Seal Kits: PN; A631-Viton, PN; A632-Teflon Reed Switch Assembly; PN; A149SPST1AMP, PN; A149SPDT.3AMP

SWITCH CONFIGURATION

Normally Open (N.O.) - Reed switch contacts are open with no flow and close on increasing flow
Normally Closed (N.C.) - Reed switch contacts are close with no flow and open 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)