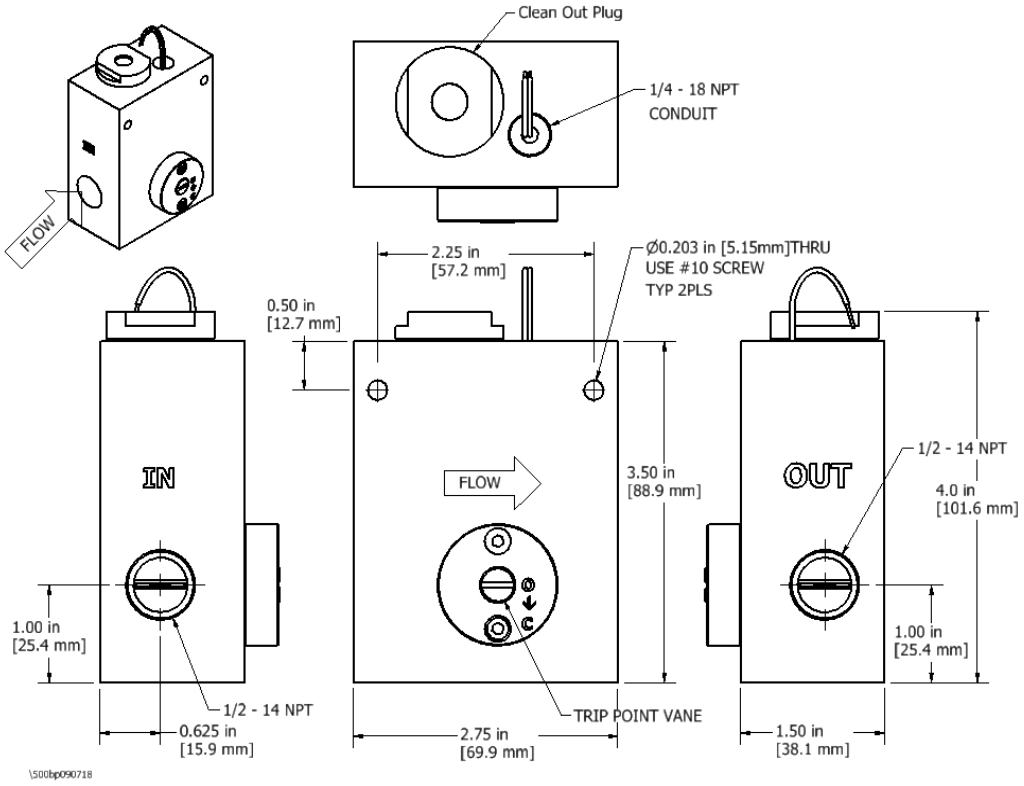
ChemTec 3077 SW 13th Drive, Deerfield Beach, FL 33442, Phone (954) 428-8259, www.chemtec.com

Installation and Maintenance 500BP SERIES



Model		Material	Bypass	Switch	Options
500		B-Brass	BP-Bypass	NO	See catalog
		316-316S.S.	BPHF-Bypass High Flow	SPDT	
		T-Teflon			

INSTALLATION

Install piping horizontally. Avoid Teflon tape, pipe paste, or other foreign material from entering the unit. We suggest 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" (fully 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.

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
This device is to be connected to an isolating source, such as a transformer, that has no direct connection to the primary circuit, other than through the grounding means, and can supply no more than 30VAC, 42VDC, 8A and 100VA.

Switch Data	Single Pole Single Throw (SPST)	Single Pole Double Throw (SPDT)
Maximum Switching Voltage	250 VDC / 265 VAC	175 VDC / 120 VAC
Maximum Switching Current	1.5 A (DC) / 1.1 A (AC)	0.25 A (DC) / 0.18 A (AC)
Contact Rating	50 W (DC) / 50 VA (AC)	5 W (DC) / 5 VA (AC)

\500bpiandm2922

*Users are solely accountable for product selection, regardless of any recommendations or suggestions provided by ChemTec Equipment Company, Inc. Users should base product selection on their own analysis and testing to determine functionality and material compatibility in relation to their application. To ensure safe and trouble-free performance, it is essential to adhere to proper installation, operation, and maintenance procedures.