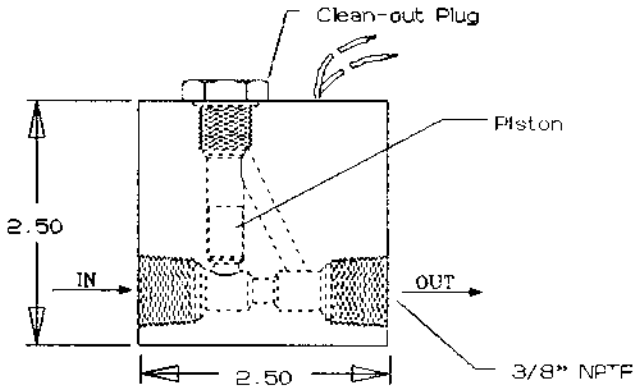
CHEM TEC EQUIPMENT COMPANY

INSTALLATION AND MAINTENANCE
MODEL FAB SERIES

OPERATION:

With no flow present, the magnetic piston rests on the bottom of the bore. When flow is established the piston is forced upward by the bypass flow and actuates the reed switch. When flow decreases the piston moves downward and the reed switch is returned to its original position. Set point is fixed at the factory.



SPECIFICATIONS:

STANDARD FLOW SETTINGS	
MODEL	WATER decreasing flow
FAB-375-B-1	0.50 GPM
FAB-375-B-2	0.75 GPM
FAB-375-B-3	1.00 GPM
FAB-375-B-4	1.50 GPM
FAB-375-B-5	2.00 GPM
FAB-375-B-6	2.50 GPM
FAB-375-B-7	3.00 GPM

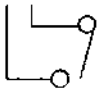
Actuation (increasing flow) averages 10 % more than deactuation (decreasing flow). Actuation points shown Flow setting accuracy is ±10% of actuation points shown. Repeatability ±1%

BODY MATERIAL	MAXIMUM WORKING PRESSURE	WETTED PARTS
BRASS	1500 psig	Brass, epoxy, Viton Delrin

SWITCH DATA	SPST	SPDT
Maximum Switching Voltage		
DC	200	100
AC	150	-
Contact Rating		
DC(W)	50	3
AC(VA)	70	-
Maximum Switching Current (A)		
DC	1.0	.25
AC	0.7	-

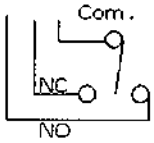
Above values for resistive loads only. For inductive loads, surge current and rush current – contact protection is required, consult your local representative.

SPST leads 18 in. min. from body, yellow.



22 E 19, TFE Insulation

SPDT (Optional) leads 18 in. min. from body.



- Green – NC
- Blue – NO
- White – Common

24 E 19, TFE Insulation

INSTALLATION:

The flow switch should be installed with in-line porting as shown. Avoid dirt, Teflon tape shred, or other foreign material from entering unit. Do not use pipe dope. We recommend the use of a 100 micron filter.

The standard unit is provided with a SPST, NO (Open at rest) dry reed switch. Increasing flow above the actuation point will close the switch, decreasing flow below the actuation point will open the switch. SPDT models have both NO and NC capabilities.

Large metallic bodies and magnetic fields may affect the principle of operation of these units. If disturbance is suspected, adjustment of the reed switch may be necessary. Magnetic shielding may be required in severe cases.

MAINTENANCE:

Cleaning the flow switch is easily accomplished without removal from the line. Unscrew the clean-out plug, remove the piston, and flush the flow passage. A magnet may be used to conveniently lift out the piston. Care should be taken to thoroughly clean the piston before replacing. The piston must be replaced in the same orientation as it was removed.

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