Flow Monitors - Flow Switches
Excess Flow Valves - Flow Meters

Welcome to CTE Chem Tec Equipment.
Leading manufacturers of Flow Monitors, Flow Meter Switches, and Excess Flow Valves for 35 years

Flow Switches (also known as Flow Monitors and Flow Se give switch contact at a predetermined flow rate. Flow M provide varying electrical output with fluid flow. Excess Flo are normally open valves that close automatically at a prede flow rate.

We specialize in the lower flow ranges -- i.e. 120 SCFM air, water, or less. Flow Switches have fixed and adjustable mo categories have a variety of flow ranges and pipe size

CTE is the only manufacturer of all Teflon® Flow Switches a Meters.

www.flw.com/chemtec Distributed By FLW Inc, *(800) 576 -6308*

For monitoring flows of non-corrosive liquids.

Recognized File E75356 (SPST Only)

Recognized 73/23/EEC,93/68/EEC

Attitude Insensitive

Close ON-OFF Differential

CT Scanner Cooling Systems

Industrial Equipment Cooling Media

Laser Cooling Systems

Biomedical Instruments Media

Coolant Failure Alarms

Features

- Non-Adjustable Flow Monitor
- High Resolution
- Compact Size
- In Line 180 Degree Porting

- Materials: Brass
- Confirms: Normal Conditions
- Senses: high flow or low flow conditions
- Output: Switch Contact

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.

- Actuation (increasing flow) averages 10% more than deactuation (decreasing flow).
- Flow Setting Accuracy is 10% of actuation points shown.
- Repeatability ±2%
- Unit will pass greater flows

CALIBRATION POINTS PRESSURE LOSS TABLE for decreasing flows

	Water LPM (GMP)	ΔP at Set Point MBARS (PSID)	
FAB375 B-1	1.89 (0.50)	6.89 (O.1)	3/8"
-2	2.84 (0.75)	13.79 (0.2)	
-3	3.78 (1.00)	13.79 (0.2)	
-4	5.68 (1.50)	27.58 (0.4)	
-5	7.57 (2.00)	48.27 (0.7)	
-6	9.46 (2.50)	75.85 (1.1)	
- 7	11.4 (3.00)	110.32 (1.6)	

For monitoring flows of non-corrosive liquids.

Switch Data	
SPST Hermetically Sealed Reed Switch	**SPDT** Hermetically Sealed Reed Switch
Max Switching Voltage DC (V) 200 AC (V) 150	Max Switching Voltage DC (V) 175 AC (V) 120
Contact Rating DC (W) 50 AC (VA) 70	Contact Rating DC (W) 5 AC (VA) 5
Max. Switching Current DC (A) 1.0 AC (A) 0.7	Max. Switching Current DC (A) .25 AC (A) .25

Leads	
SPST Leads 18 in. min. from body 22 AWG, TFE insulation.	
SPDT (optional) Leads 18 in. min. from body 24 AWG, TFE insulation. • green - N.C. • blue - N.O. • white - Common	

Above values for resistive loads only. For inductive loads, surge current and rush current -- contact protection is required; consult your local representative. SPDT is UL recognized.

Specifications

Unit	Weight Lbs (Kg)	Max. Working Pressure	Wetted Parts Seals,*

		PSIG (BARG)	Piston
Brass	1.75 (.793)	1500 (103.4)	Brass, Viton®, Delrin Epoxy

Fluid Ports: Inlet/Outlet Ports 3/8" FNPT

Temperature Operating Range: 32° to 220° F (0° to 104° C)

Installation:
Calibrated in the vertical with leads up horizontal flow. A 100 micron filter is recommended.

How to Order

FAB Model	375 Size	B Material	1 Calibration Point	SPDT Switch Option	OPTIONS Any of the following options may be added:
		B Brass	(See Table)	N.O. Normally Open SPDT Single Pole Double Throw	O2 Oxygen Cleaned HT High Temperature Option 340° F (171° C) KZ Kalrez® Seals EPR EPR Seals S Special Custom Option

Patent No. 4,858,647. Others may apply.

* Consult Factory

Note:
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