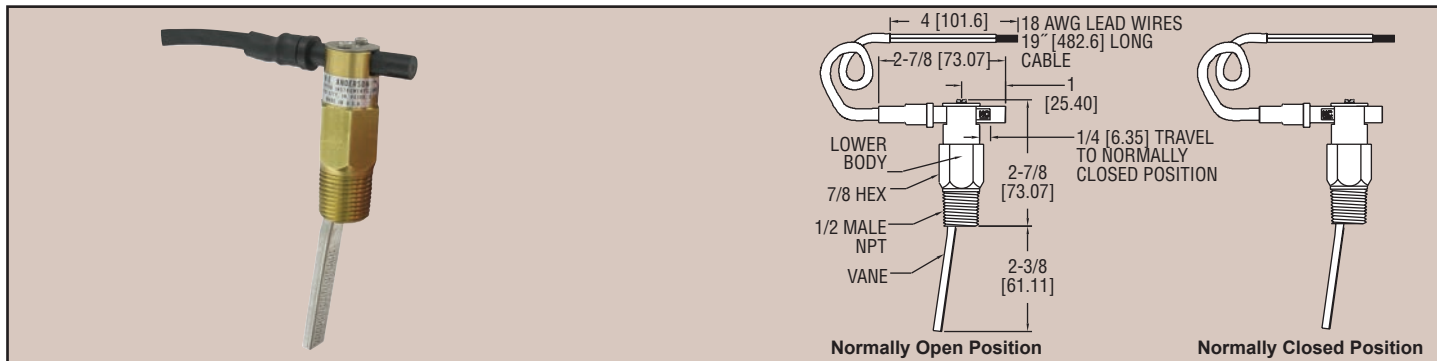




Series
V10

FLOTECH® Mini-Size Flow Switch

Proof of Flow or No Flow in 1/2 to 2" Pipe,
Low Cost, Leak Proof Body, Weatherproof



Designed to provide an inexpensive, reliable unit to monitor the presence or absence of flow in a system. The V10 flow switch is used to monitor unattended equipment and protect it from costly damage. The V10 flow switch utilizes a rugged, hermetically sealed reed switch which is encapsulated in a polypropylene switch housing that fits into a standard heavy duty leak proof brass body or optional 303 SS body. The switch adjustment allows the user to change the switch to Normally Open (NO) or Normally Closed (NC) in the field merely by loosening two screws. The switch housing is located outside the process media, making switch change-over or maintenance easy without interruption of process flow.

A full size, trimmable SS vane is provided with a removable laminated template. This template is calibrated for brass or ductile iron reducing tees and forged steel straight tee/bushing combinations. Allows for field installation in pipelines from 1/2" to 2" diameter. A table with approximate actuation and deactivation values is provided below.

Cold Water Flow Rates				Air Flow Rates			
Approximate actuation/deactuation GPM upper, LPM lower				Approximate actuation/deactuation SCFM upper, LPM lower			
Pipe	Trim	N.O.	N.C.	Pipe	Trim	N.O.	N.C.
1/2"	L	2.6/2.3	2.6/2.5	1/2"	L	10.3/8.8	10.2/9.2
		9.8/8.7	9.8/9.5			291.7/250	288/260
3/4"	J	3.1/2.7	3.1/2.8	3/4"	J	13/11.6	12.9/11.6
		11.7/10.2	11.7/10.6			368.3/328	365/328
1"	H	4.8/4.5	4.8/4.4	1"	H	19.2/17.6	18.9/17.6
		18.2/17	18.2/16.7			543.3/498	535/498
1-1/4"	E	6.2/5.6	6.1/5.6	1-1/4"	E	24.8/22.2	24.5/22.5
		23.5/21.2	23.1/21.2			701.7/628	693/637
1-1/2"	C	8.2/7.7	8.2/7.7	1-1/2"	C	33.4/31.2	33/30.6
		31/29.1	31/29.1			946.7/883	935/867
2"	Full	9.5/9.1	9.5/9	2"	Full	50.2/48.4	50.2/47.7
		36/34.4	36/34.1			1422/1370	1422/1352

SPECIFICATIONS

Service: Compatible gases or liquids.

Wetted Materials:

Vane: 301 SS;
Body: Brass or 303 SS;
Pin and spring: 301 SS, 302 SS and 316 SS;
Magnet: Ceramic 8.

Temperature Limit: 200°F (93°C).

Pressure Limit: Brass body: 1000 psig (69 bar); 303 SS body: 2000 psig (138 bar).

Enclosure Rating: Weatherproof, meets NEMA 4X (IP66).

Switch Type: SPST hermetically sealed reed switch. Field adjustable for normally open or normally closed.

Electrical Rating: 0.5 A @ 120 VAC; 1.5 A @ 24 VDC res.; 0.001 A @ 200 VDC res.

Electrical Connections: 18 AWG, 19" (483 mm) long, PVC jacket. Rated 221°F (105°C).

Process Connection: 1/2" male NPT standard. Contact factory for other options.

Mounting Orientation: Switch can be installed in any position but the actuation/deactuation flow rates are based on horizontal pipe runs and are nominal values.

Set Point Adjustment: Vane is trimmable.

Weight: 5.5 oz (0.16 kg).

Agency Approvals: CE, CSA, UR.

Switch Enclosure: Nylon.

Model	Body Material	Switch Configuration
V10	Brass	Normally Open or Closed
V10SS	303SS	Normally Open or Closed