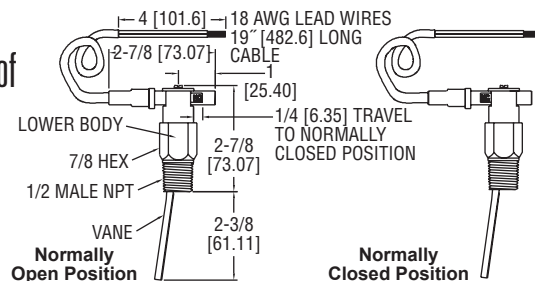


FLOTECT® MINI-SIZE FLOW SWITCH

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



The **SERIES V10** FloTECT® Mini-Size Flow Switches is designed to provide inexpensive, reliable monitoring of the presence or absence of flow in a system. This series is available for field installation in pipelines from 1/2 to 2" diameter and available in brass or 303 SS body.

FEATURES/BENEFITS

- Magnetically actuated switching design gives superior performance with rugged, hermetically sealed reed switch
- Simple field switch adjustment allows user to toggle between Normally Open (NO) or Normally Closed (NC) with no change in the electrical connection
- Switch housing is located outside the process media, allowing simple switch change-over or maintenance without interruption of process flow
- Full size, field trimmable stainless steel vane provided with removable template calibrated for brass or ductile iron reducing tees with forged steel straight tee/bushing combinations

APPLICATIONS

- Proving flow in boilers, hot water heaters, and chillers
- Protects pumps, motors and other equipment against low or no flow
- Automatically starts auxiliary pumps and engines

SPECIFICATIONS

Service: Compatible gases or liquids.
Wetted Materials: Vane: 301 SS; Body: Brass or 303 SS; Pin and 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.

APPROXIMATE ACTUATION/DEACTUATION FLOW RATES FOR COLD WATER; GPM (LPM)

| Pipe Size | Trim | N.O. | N.C. |
|-----------|------|---------------------|---------------------|
| 1/2" | L | 2.6/2.3 (9.8/8.7) | 2.6/2.5 (9.8/9.5) |
| 3/4" | J | 3.1/2.7 (11.7/10.2) | 3.1/2.8 (11.7/10.6) |
| 1" | H | 4.8/4.5 (18.2/17) | 4.8/4.4 (18.2/16.7) |
| 1-1/4" | E | 6.2/5.6 (23.5/21.2) | 6.1/5.6 (23.1/21.2) |
| 1-1/2" | C | 8.2/7.7 (31/29.1) | 8.2/7.7 (31/29.1) |
| 2" | Full | 9.5/9.1 (36/34.4) | 9.5/9 (36/34.1) |

APPROXIMATE ACTUATION/DEACTUATION FLOW RATES FOR AIR; SCFM (LPM)

| Pipe Size | Trim | N.O. | N.C. |
|-----------|------|-----------------------|-----------------------|
| 1/2" | L | 10.3/8.8 (291.7/250) | 10.2/9.2 (288/260) |
| 3/4" | J | 13/11.6 (368.3/328) | 12.9/11.6 (365/328) |
| 1" | H | 19.2/17.6 (543.3/498) | 18.9/17.6 (535/498) |
| 1-1/4" | E | 24.8/22.2 (701.7/628) | 24.5/22.5 (693/637) |
| 1-1/2" | C | 33.4/31.2 (946.7/883) | 33/30.6 (935/867) |
| 2" | Full | 50.2/48.4 (1422/1370) | 50.2/47.7 (1422/1352) |

MODEL CHART

| Model | Body Material | Switch Configuration |
|-------|---------------|-------------------------|
| V10 | Brass | Normally open or closed |
| V10SS | 303SS | Normally open or closed |