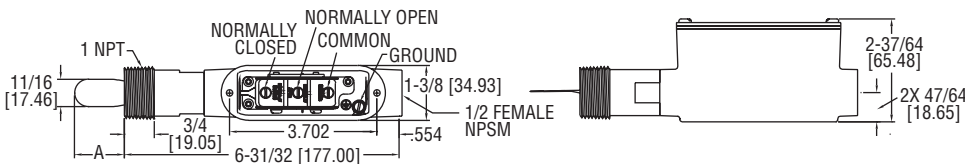


FLOTECT® VANE OPERATED FLOW SWITCH

Magnetic Linkage



Pipe Size	Dim. A
1	1-17/64 [32.15]
1-1/4	1-19/32 [40.48]
1-1/2	1-53/64 [46.43]
2	2-11/64 [55.17]
3	2-11/64 [55.17]
4	2-11/64 [55.17]

The **SERIES V7** FloTECT® Flow Switch is an inexpensive range switch for use with compatible liquids to start or stop electronic operated equipment when flow or no-flow conditions occur. Design is standard weatherproof, meeting NEMA 4X.

FEATURES/BENEFITS

- Magnetically actuated switching design gives superior performance
- Features a free-swinging vane which attracts a magnet within the solid metal switch body, actuating a snap switch by means of a simple lever arm with no bellows, springs, or seals to fail
- Lower body is machined solid metal bar stock assuring no leak points, no matter how long the unit is in service
- Robust vane design is rigid and field trimmable for set point adjustment

APPLICATIONS

- Proof of boiler flow
- Shuts down burner when air flow through heating coil fails
- Protects pumps, motors and other equipment against low or no flow
- Stops liquid cooled engines, machines and processing when coolant flow is interrupted

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

Pipe Size	Actuate	Deactuate
1"	7.5 (28.4)	6.8 (25.7)
1-1/4"	8.1 (30.8)	7.6 (28.9)
1-1/2"	11.7 (44.1)	10.9 (41.3)
2"	16.9 (64.0)	15.6 (59.1)
2-1/2"	19.6 (74.2)	18.1 (68.5)
3"	31.6 (120)	29.6 (112)
4"	58.0 (218)	52.0 (197)

Contact the factory for different actuation-deactuation rates.

SPECIFICATIONS

Service: Liquids compatible with wetted materials that are non-coating and non-crystallizing.

Wetted Materials: Vane: 301 SS; Process connection: Brass or 316 SS; Magnet: Ceramic; Other: 301, 302 SS.

Upper Body Material: Die cast aluminum.

Temperature Limits: -40 to 250°F (-40 to 121°C).

Pressure Limits: 250 psi (17.2 bar).

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

Switch Type: SPDT snap switch.

Electrical Rating: 10 A @ 125, 250, 480 VAC; 1/8 hp @ 125 VAC, 1/4 hp @ 250 VAC.

Electrical Connections: 3 screw type, common, normally open and normally closed.

Conduit Connection: 1/2" NPSM.

Process Connection: 1" male NPT. Contact factory for optional tees.

Pipe Size: 1" to 4".

Mounting Orientation: Horizontal or vertical (actuation flow rates are based on horizontal pipe runs in the vertical position). Will not work in vertical pipe with down flow.

Set Point Adjustment: Vane is trimmable, see set point chart.

Weight: 1 lb 2 oz (500 g).

Agency Approvals: CE, UL.

MODEL CHART

Model	Body Material
V7-WBS-30N	Brass
V7-WSS-30N	316 SS

