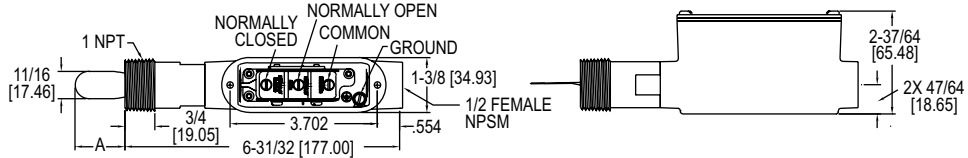


Dwyer

SERIES V7

FLOTECT® VANE OPERATED FLOW SWITCH

Magnetic Linkage, UL Approved



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

The **Series V7 FloTECT® Vane 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.

BENEFITS/FEATURES

- Superior performance with magnetically-actuated switching design
- Increased product life due to free-swinging vane, which attracts a magnet within the solid metal switch body to actuate a snap switch by means of a simple lever arm with no bellows, springs, or seals to fail
- Meets application requirements with durable leak proof body machined from bar stock
- Long operating life with robust vane design which 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)

Note: 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).

Compliance: CE, UL.

MODEL CHART

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

USA: California Proposition 65

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

