



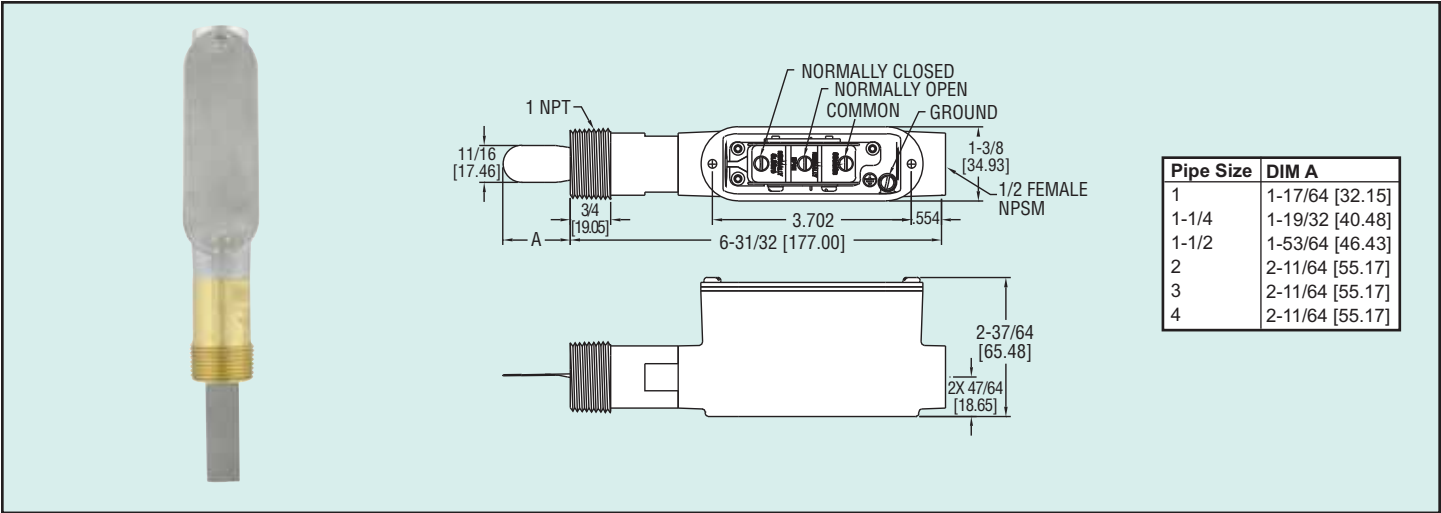
Series
V7

Flotect® Vane Oper ated Flow Switch

Magnetic Linkage



Flow



The Series V7 Flotect® Flow Switch is an inexpensive switch for use with compatible liquids to start or stop electronic operated equipment when flow or no-flow conditions occur. Magnetic operation is simple and dependable with no mechanical linkages or seals to wear or leak. Lower body is machined solid metal bar stock assuring no leak points, no matter how long the unit is in service. Design is standard weatherproof, meeting NEMA 4X, for application versatility. Robust vane design is rigid and field trimmable for set point adjustment.

Example	V7	W	B	S	3	0	N	ST	V7-WBS-30N-ST
Series	V7								V7 Flow Switch
Construction		W							Weatherproof
Lower Body			B	S					Brass 316 SS
Circuit Type				S					SPDT
Connection Size					3				1"
Vane Size						0			Full length vane with template
Tee & Tee Material							N		No Tee
Options								ST RV	SS tag Reinforced vane

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: 10A @ 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 inch.

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, UL353.

Approximate Actuation-Deactuation Flow Rates for Cold Water GPM (LPM)		
Pipe Size	Actuate	Deactuate
1"	4.5 (17.0)	3.9 (14.8)
1-1/4"	5.8 (22.0)	5.3 (20.1)
1-1/2"	7.7 (29.1)	7.2 (27.3)
2"	10.4 (39.4)	9.7 (36.7)
2-1/2"	19.6 (74.2)	18.1 (68.5)
3"	28.9 (109.4)	26.5 (100.3)
4"	58 (218)	52 (197)