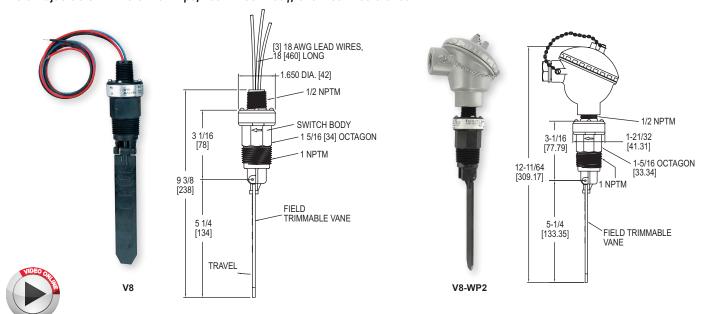
FLOTECT® VANE OPERATED FLOW SWITCHES Field Adjustable — 1 to 6 Inch Pipe, Leak Proof Body, Chemical Resistance



The Series V8 Flotect® Vane Operated Flow Switches are ideal for protecting unattended equipment from damage or loss of production. This Series is available for installation in a 1 to 6" pipe with operating pressures are up to 150 psig (10 bar) and temperatures to 212°F (100°C).

FEATURES/BENEFITS

- · UL recognized as an industrial motor controller per UL standard 508, suitable for mounting in a protected environment
- · Magnetically actuated switching design gives superior performance with freeswinging vane which attracts a magnet within the switch body, actuating a snap switch with no bellows, springs, or seals to fail
- · Leak proof body and vane constructed of tough durable polyphenylene sulfide which has excellent chemical resistance
- · A full size trimmable vane is provided with molded-in graduations

APPLICATIONS

- · Chemical processing
- · Air conditioning
- · Refrigeration
- · Heating systems
- · Cooling lines
- · Machinery
- · Liquid transfer systems
- · Water treatment
- Food processing
- · Machine tools

3″

4"

6″

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Service: Compatible gases or liquids.

Wetted Materials: Vane and body: Polyphenylene Sulfide (PPS); Pin and spring:

316 SS or Inconel®: Magnet: Ceramic 8. Temperature Limit: 212°F (100°C). Pressure Limit: 150 psig (10.34 bar).

Enclosure Rating: General purpose, WP/WP2 option is weatherproof. Switch Type: SPDT snap switch, MV option: SPDT gold contact snap switch. Electrical Rating: 5 A @ 125/250 VAC, 5 A resistive, 3 A inductive @ 30 VDC;

MV option: 1 A @ 125 VAC, 1 A resistive, 0.5 A inductive @ 30 VDC.

Electrical Connections: 18 AWG, 18" (460 mm) long.

Conduit Connection: 1/2" male NPT, 1/2" female NPT on WP and WP2.

Process Connection: 1" male NPT.

Mounting Orientation: Actuation/deactuation flow rates are based on horizontal pipe runs and are nominal values. Unit cannot be used with vertical down flow.

Set Point Adjustment: Vane is trimmable.

Weight: 4.5 oz (0.13 kg). Agency Approvals: CE, cURus.

MODEL	MODEL CHART					
Model	Description					
V8	Flow switch					

OPTIONS	OPTIONS					
To order						
add suffix:	Description					
-MV	Gold plated contacts, for dry circuits; rated 1A @ 125 VAC; 1A					
	resistive, 0.5A inductive @ 30 VDC					
Example: V8-MV						
-INC	Inconel® alloy option; Inconel® alloy replaces standard 316 SS wetted					
	parts; wetted parts are Inconel® alloy, ceramic 8, and polyphenylene					
	sulfide					
Example: V	Example: V8-INC					
-WP	Weatherproof enclosure; optional housing is phenylpolioxide and					
	provides weatherproof protection for electrical wiring; not UL approved					
Example: V8-WP						
-WP2	Optional housing is aluminum and provides weatherproof protection for					
	electrical wiring; not UL approved					
Example: V8-WP2						

APPROXIMATE ACTUATION/ **DEACTUATION FLOW RATES** FOR COLD WATER; GPM (LPM) Pipe Size | Actuate/Deactuate 10.8/9.1 (40.9/34.6) 9.8/8.3 (37.2/31.4) 1-1/4 1-1/2" 8.6/6.8 (32.4/25.7) 10.9/8.8 (41.2/33.4) 2"

12.9/8.9 (48.8/33.5)

45/33 (170.2/124.7)

21.1/13.8 (79.7/52.2)

APPROXIMATE ACTUATION/					
DEACTUATION FLOW RATES					
FOR AIR; SCFM (LPM)					
Pipe Size	Actuate/Deactuate				
1″	39/32.6 (1105/923)				
1-1/4"	37.5/32.2 (1062/912)				
1-1/2"	33.4/26.7 (945/757)				
2"	43/36.8 (1218/1042)				
3″	52.7/38.9 (1493/1100)				
4"	87.6/63.6 (2482/1802)				
6″	168.6/137.4 (4775/3890)				