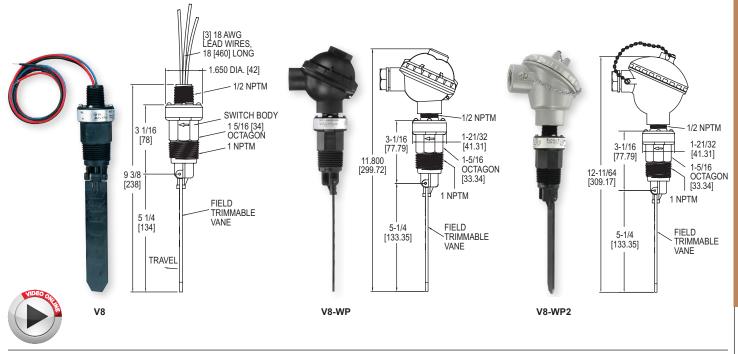
## **Dwyer** SERIES V8 | W. E. ANDERSON™ BY DWYER **FLOTECT® VANE OPERATED FLOW SWITCHES** Field Adjustable — 1 to 6 Inch Pipe, Leak Proof Body, Chemical Resistance



The Series V8 Flotect<sup>®</sup> 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  $212^{\circ}$ F ( $100^{\circ}$ 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

APPROXII	MATE ACTUATION/		AP
DEACTUA	TION FLOW RATES		DE
FOR COLD WATER; GPM (LPM)			FO
Pipe Size	Actuate/Deactuate		Pip
1″	10.8/9.1 (40.9/34.6)		1″
1-1/4″	9.8/8.3 (37.2/31.4)		1-1
1-1/2″	8.6/6.8 (32.4/25.7)		1-1
2″	10.9/8.8 (41.2/33.4)		2″
3″	12.9/8.9 (48.8/33.5)		3″
4″	21.1/13.8 (79.7/52.2)		4″
6″	45/33 (170.2/124.7)		6″

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)				

## SPECIFICATIONS

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 CHARTModelDescriptionV8Flow switch

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 <sup>®</sup> alloy option; Inconel <sup>®</sup> alloy replaces standard 316 SS wetted parts; wetted parts are Inconel <sup>®</sup> alloy, ceramic 8, and polyphenylene sulfide		
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			

Inconel® is a registered trademark of Huntington Alloys Corporation