



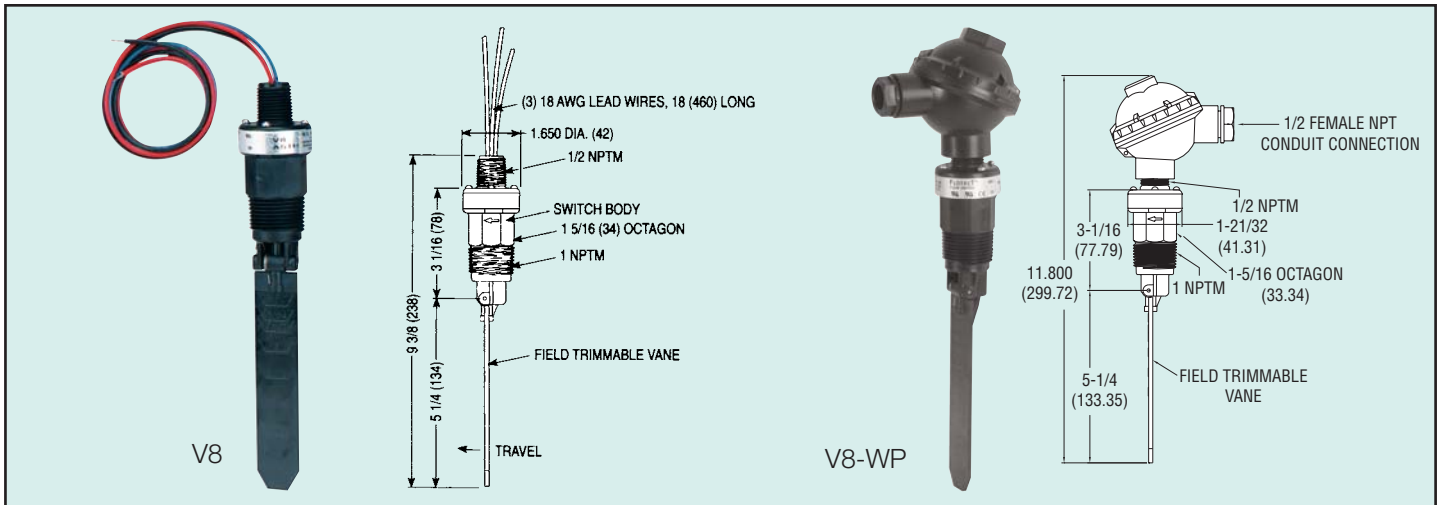
Series
V8

FLOTECT® Vane Operated Flow Switch

Field Adjustable — 1 to 6 Inch Pipe, Leak Proof Body



Flow



V8 Flotect® Flow Switch Protects Equipment: Operation is simple and dependable. In most applications, the switch is normally off while there is sufficient flow of liquid or air. When flow stops, the vane spring moves the vane, actuating a single pole double throw switch rated 5A @ 120/250 VAC to start or stop motor, pump, engine, etc. Operate a damper or valve; shut down a burner or actuate an alarm or signal, protecting unattended equipment from damage or loss of production.

The V8 Flotect® Flow Switch has a leak proof body and vane constructed of tough durable polyphenylene sulfide (equivalent to RYTON™) which has excellent chemical resistance. The full size trimmable vane is provided with molded-in graduations allowing for installation in a 1 inch through 6 inch pipe. Operating pressures are up to 150 psig (10 bar) and temperatures to 212°F (100°C). The V8 flow switch can be used in various chemical processes, industrial systems and similar applications where process conditions are compatible with polyphenylene sulfide, ceramic 8 and 316SS. The V8 Flotect® flow switch is UL recognized as an industrial motor controller per UL standard 508, suitable for mounting in a protected environment.

Cold Water Flow Rates Approximate actuation/deactuation GPM upper, LPM lower		Air Flow Rates Approximate actuation/deactuation SCFM upper, LPM lower	
Pipe Size		Pipe Size	
1"	10.8/9.1 40.9/34.6	1"	39/32.6 1105/923
1 1/4"	9.8/8.3 37.2/31.4	1 1/4"	37.5/32.2 1062/912
1 1/2"	8.6/6.8 32.4/25.7	1 1/2"	33.4/26.7 945/757
2"	10.9/8.8 41.2/33.4	2"	43/36.8 1218/1042
3"	12.9/8.9 48.8/33.5	3"	52.7/38.9 1493/1100
4"	21.1/13.8 79.7/52.2	4"	87.6/63.6 2482/1802
6"	45/33 170.2/124.7	6"	168.6/137.4 4775/3890

Suggested Specifications:

Automatic Polyphenylene Sulfide plastic flow switch shall be vane operated to actuate a single pole, double throw snap switch. Motion of the vane shall actuate switch by action of a magnet which controls the switch inside the one piece leak proof switch body. Control shall be suitable for pressure up to 150 psig (10 bar) and temperature to 212°F (100°C). Switch shall be W.E. Anderson Model No. V8.

APPLICATIONS

Applications are chemical processing, air conditioning, refrigeration, heating systems, cooling lines, machinery, liquid transfer systems, water treatment, food processing, and machine tools. Also, other applications compatible with the materials of construction.

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 option is weatherproof.

Switch Type: SPDT snap switch, WP option: SPDT gold contact snap switch.

Electrical Rating: 5A @ 125/250 VAC, 5A resistive, 3A inductive @ 30 VDC. MV option: 1A @ 125 VAC, 1A resistive, 0.5A inductive @ 30 VDC.

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

Conduit Connection: 1/2" male NPT.

Process Connection: 1" male NPT.

Mounting Orientation: Switch can be installed in any position but the actuation/deactuation flow rates are based on horizontal pipe runs and are nominal values.

Set Point Adjustment: Vane is trimmable.

Weight: 4.5 oz (0.13 kg).

Agency Approvals: CE, UL 508 for US and Canada.

V8 Flow Switch

OPTIONS:

Gold Plated Contacts, for dry circuits. Rated 1A @ 125 VAC; 1A resistive, 0.5A inductive @ 30 VDC. To order add suffix -MV. Example: **V8-MV**

Inconel® Option. Inconel® replaces standard 316 SS wetted parts. Wetted parts are Inconel®, ceramic 8, and Polyphenylene Sulfide. To order add suffix -INC. Example: **V8-INC**

Weatherproof Enclosure. Optional housing is phenylpolioxide and provides weatherproof protection for electrical wiring. To order add suffix -WP. (Not UL approved)

Example: **V8-WP**