

Plastic Paddle Flow

TRIMMABLE PLASTIC PADDLE FLOW SWITCHES

The V8 paddle flow switch is ideal for protection of unattended equipment from damage or loss of production.

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 at 5A 120/250Vac to start or stop a motor, pump, engine, etc; operate a damper or valve; shut down a burner or actuate an alarm or signal.

The V8 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 moulded-in graduations allowing for installation in pipes from 1inch to 6 inch diameter. The V8 control is UL recognized as an industrial motor controller per UL standard 508, suitable for mounting in a protected environment.

APPLICATIONS

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

IP 65 connection head option is available for weatherproof applications.



Flow Switch Range

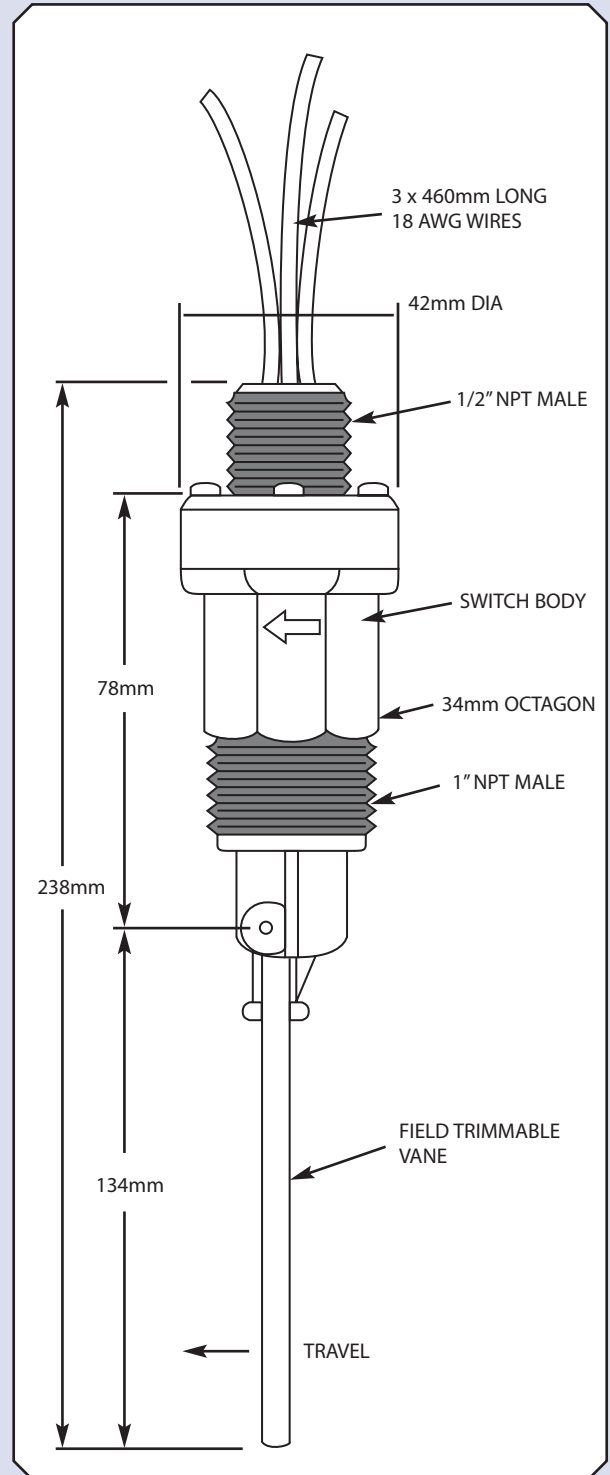
Approximate Actuation / De-actuation

Pipe Size	Water L/min (20°C)		Air m3/hr (ATP)	
	Actuation	De-actuation	Actuation	De-actuation
1"	40.9	34.6	66.3	55.4
1 1/4"	37.2	31.4	63.7	54.7
1 1/2"	32.4	25.7	56.7	45.4
2"	41.2	33.4	73.1	62.5
3"	48.8	33.5	89.6	66.0
4"	79.7	52.5	148.9	108.1
6"	170.2	124.7	286.5	233.4

SPECIFICATION

Temperature Limit:	100°C (212°F) maximum.
Operating Pressure:	10 bar (150 psig)
Piping Connection:	1" NPT installed in tee or bushing (not supplied).
Switch:	One SPDT snap action switch 5 A, 125/250 Vac.
Wire:	3 x 460mm 18 AWG.
Overall Length:	238mm.
Vane:	Field trimmable to fit most applications.
Weight:	0.13 kg (4.5 oz)
Switch Body:	Molded Polyphenylene Sulfide (PPS)
Wetted Materials of Construction:	Polyphenylene Sulfide, Ceramic 8 magnet, 316SS pin and spring.
Installation:	Install with index arrow in direction of flow. IP 67 weatherproof options are also available.

DIMENSIONS



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