

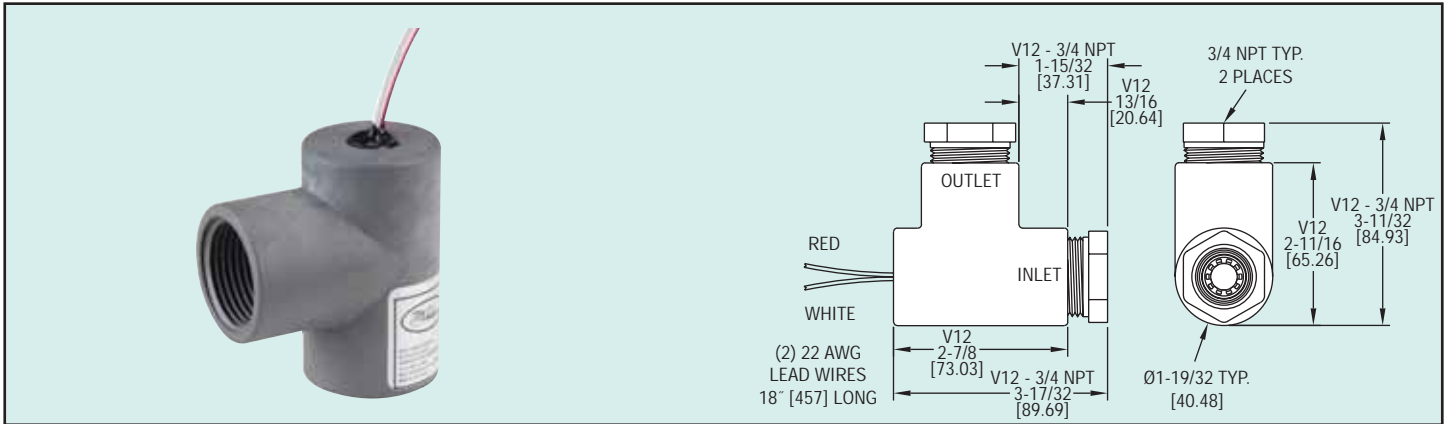


Series
V12

FLOTECT® Flow Switch



Low Cost, Wide Range of Chemical Compatibility, Flow Rates 0.5 to 5.0 GPM



FLOW

- Flow Rate Settings of 0.5 to 5.0 GPM
- Wide Range of Chemical Compatibility
- Mountable in Any Orientation
- Low Pressure Drop at Full Flow
- FDA Approved Wetted Materials Option

Series V12 Flotect® Flow Switch is a low cost, versatile line of switches that can be used in a wide range of applications and configurations. Mountable in any orientation, the Series V12 Flow Switch utilizes a free moving shuttle that is displaced by the liquid flow, activating an isolated, sealed reed switch. Models can be used in media that is compatible with PPE & PS, stainless steel and ceramic 1. FDA approved materials option has wetted materials of PPE & PS, stainless steel and FEP.

APPLICATIONS

Monitoring water and other compatible media flow, especially for the pool and spa industry; protect equipment due to loss of coolant or lubricant flow; process system operation; monitoring of chlorinators, water filtration, reverse osmosis and evaporators.

SPECIFICATIONS

Service: Compatible liquids.

Wetted Materials:

Housing and Shuttle: PPE & PS (Polyphenylene Ether and Polystyrene). PVC with 3/4" NPT option.

Spring: 316 SS.

Retaining Clip: PH 15-7 MO stainless steel.

Magnet: Ceramic 1. FDA option: FEP.

Temperature Limits: 0°F (-18°C) to 194°F (90°C)

Pressure Limit: 100 psig (6.90 bar) @ 70°F (21°C), 50 psig (3.45 bar) @ 194°F (90°C)

Switch Type: SPST normally open hermetically sealed reed switch.

Electrical Rating: 1.5A @ 24 VDC resistive, 0.001A @ 200 VDC resistive, 0.5A @ 125 VAC.

Accuracy: ±20%.

Electrical Connections: 22 AWG, 18" (460 mm) long.

Process Connection: 1" female NPT. Optional 3/4" female NPT.

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

Set Point Adjustment: None.

Weight: 4.2 oz (0.119 kg).

Deadband: 20% maximum.

Agency Approvals: UL.

FDA approved materials option. For applications that require FDA approved materials, wetted materials are PPE & PS, 316 stainless steel, PH 15-7 Mo stainless steel and FEP. To order, add suffix "-FDA". Example: V12-4-FDA.

3/4" female NPT connections option. PVC hex bushing.

To order add suffix "-3/4NPT".

Example: V12-4-3/4NPT

Model Number	Switch Activation Set Point on Increasing Flow (Water), Vertical Up Direction	
	Gallons per Minute	Liters per Minute
V12-2	0.5 GPM	1.892
V12-3	1.0 GPM	3.785
V12-4	2.5 GPM	9.462
V12-5	5.0 GPM	18.924

Note: Standard units are designed with springs for positive return of the shuttle at no-flow condition. This allows the flow switch to be mounted in any orientation, but actuation set points vary from stated values. Contact the factory for further information.