



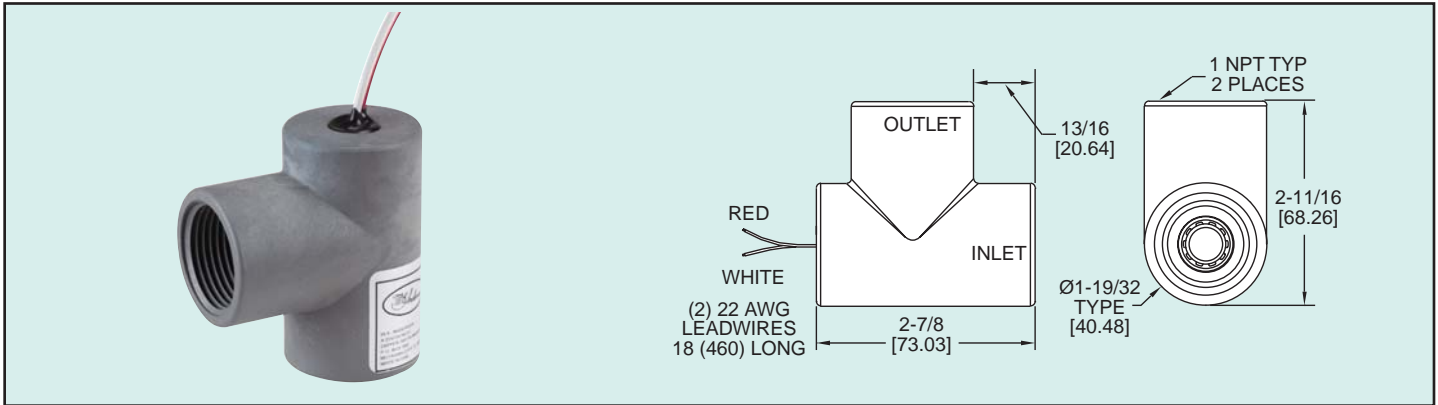
Series  
V12

# 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

## SPECIFICATIONS

**Service:** Compatible liquids.

### Wetted Materials:

Housing and Shuttle: Noryl GFN3 (Polyphenylene Ether and Polystyrene).

Spring: 316 SS.

Retaining Clip: PH 15-7 MO stainless steel.

Magnet: Ceramic 8. FDA option: Teflon®.

**Temperature Limits:** 0°F (21°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.

**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.

**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 Noryl® GFN3, stainless steel and ceramic 1. FDA approved materials option has wetted materials of Noryl® GFN3, stainless steel and Teflon®.

## 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.

**FDA approved materials option.** For applications that require FDA approved materials, wetted materials are Noryl® GFN3, 316 stainless steel, PH 15-7 Mo stainless steel and Teflon®. To order, add suffix "-FDA".

Example: V12-4-FDA.

## STOCKED MODELS

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.