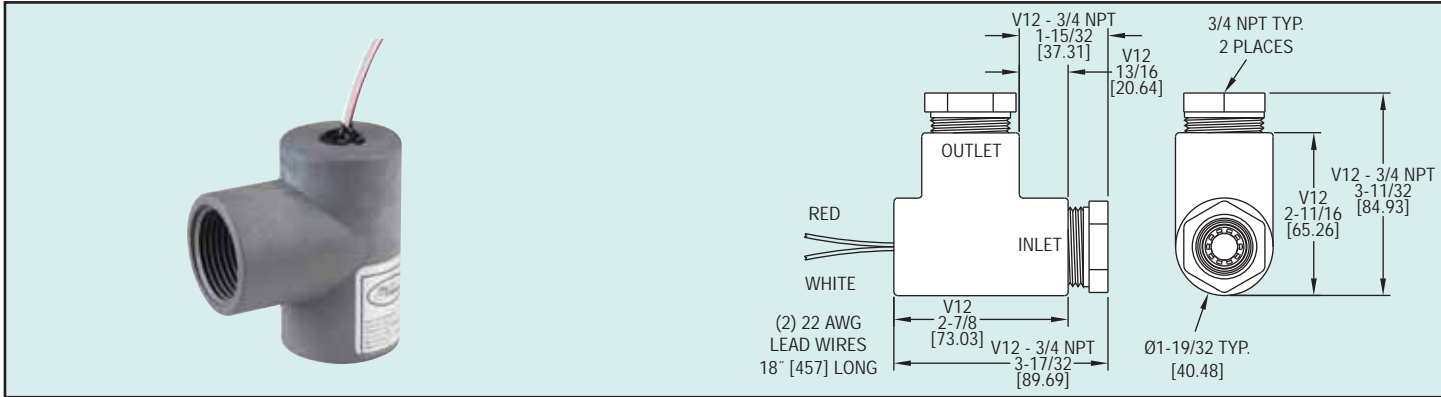




Series  
V12

# FLOTECT® Flow Switch

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



**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 FEP. Constructed of FDA approved wetted materials.

Model	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.

## 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: 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.

## OPTION

**3/4" female NPT connections,** PVC hex bushing

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

Example: V12-4-3/4NPT

**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.