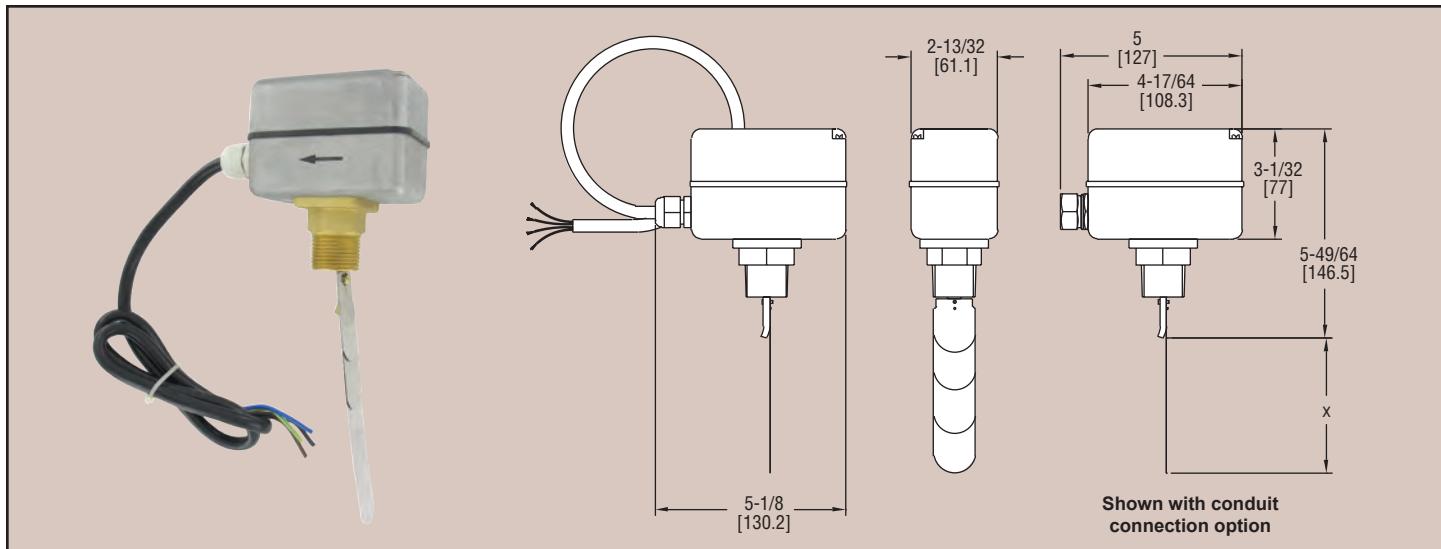


Series  
FS-2

# Vane Flow Switch

## Low Cost, Field Adjustable Set Point

CE



**The Series FS-2 Vane Flow Switch** offers an economical flow proving solution. Custom set points tailored for the application are enabled by field adjustable vane layers and a set point adjustment screw. The FS-2 features an aluminum weatherproof housing for outdoor installation. Paddles are adjustable to fit 1" to 8" size pipe. FS-2 is ideal for use in "flow or no flow" applications in cold and hot water systems. Perfect for proving flow in boilers, hot water heaters, and chillers.

### APPLICATION

- Perfect for proving flow in boilers, hot water heaters, and chillers

### FEATURES

- Field adjustable paddle
- Field adjustable set point
- Weatherproof construction

### Flow Rate Chart

Pipe Diameter (inch)	Blade Vane Length in (mm)	Approximate Actuation and Deactuation Flow Rates for Water			
		Minimum Setting GPM (LPM)		Maximum Setting GPM (LPM)	
		Actuate	Deactuate	Actuate	Deactuate
1	1.34 (34)	4.0 (15.0)	1.8 (6.7)	8.8 (33.3)	6.6 (25.0)
1-1/4	1.34 (34)	5.3 (20.0)	2.6 (10.0)	11.4 (43.3)	8.4 (31.7)
1-1/2	2.24 (57)	7.0 (26.7)	4.0 (15.0)	14.5 (55.0)	11.4 (43.3)
2	2.24 (57)	14.1 (53.3)	9.7 (36.7)	31.3 (118.3)	22.5 (85.0)
2-1/2	3.46 (88)	18.5 (70.0)	15.4 (58.3)	35.2 (133.3)	30.8 (116.7)
3	3.46 (88)	27.7 (105.0)	25.1 (95.0)	52.8 (200.0)	46.2 (175.0)
4	3.46 (88)	59.4 (225.0)	52.8 (200.0)	123.3 (466.7)	114.5 (433.3)
5	6.57 (167)	52.8 (200.0)	39.6 (150.0)	132.1 (500.0)	123.3 (466.7)
6	6.57 (167)	75.7 (286.7)	52.8 (200.0)	154.1 (583.3)	140.9 (533.3)
8	6.57 (167)	184.9 (700.0)	158.5 (600.0)	396.3 (1500.0)	374.2 (1416.7)

### SPECIFICATIONS

**Service:** Compatible liquids.

#### Wetted Materials:

Bellow: Tin-bronze;  
Vane: SS;  
Body: Forged brass.

**Temperature Limit:** 230°F (110°C).

**Pressure Limit:** 145 psig (10 bar).

**Enclosure Rating:** NEMA 4 (IP56).

**Switch Type:** SPDT snap switch.

**Electrical Rating:** 10A res, 3A ind @ 250 VAC.

**Electrical Connection:** Cable gland with attached wire leads or optional conduit connection.

**Process Connection:** 1" male NPT or BSPT.

**Mounting Orientation:** Switch must be installed vertically on horizontal pipe runs.

**Set Point Adjustment:** Four vane combinations and an adjustment screw.

**Enclosure:** Die-cast aluminum alloy.

**Weight:** 28.22 oz (0.8 kg).

**Agency Approvals:** CE.

### Series FS-2, Paddle Flow Switch

#### OPTIONS

**BSPT Process Connection,**

To order add suffix -BSPT.

Example: **FS-2-BSPT**

**Conduit Connection, 1" NPT female conduit connection with no wire leads.**

To order add suffix -CND.

Example: **FS-2-CND**