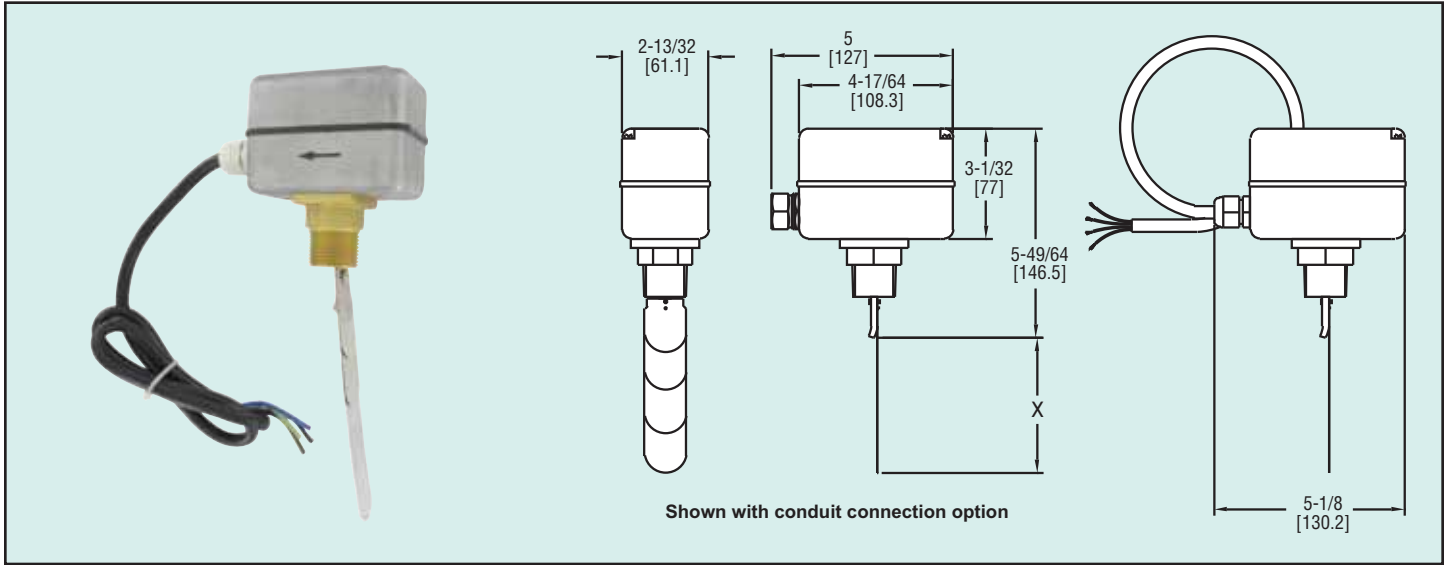




Series
FS-2

Vane Flow Switch

Low Cost, Field Adjustable Set Point



FLOW

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

SPECIFICATIONS

Service: Compatible liquids.

Wetted Materials:

- Bellow: Tin-bronze.
- Vane: Stainless Steel.
- Body: Forged brass.

Temperature Limit: 230°F (110°C).

Pressure Limit: 145 psig (10 bar).

Enclosure Rating: NEMA 4 (IP64).

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.

Flow Rate Chart

Pipe Diameter (inch)	Blade Vane Length in (mm) Dim. X	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)

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**