For Commercial and Industrial Applications

Job Name	Contractor
Job Location	Approval
Engineer	Contractor's P.O. No.
Approval	Representative

Series FS-200-W and FS-204-W

Flow Switch

Sizes: For pipes 1" - 6" (25 - 150mm)

Series FS-200-W and FS-204-W Flow Switches provides accurate monitoring of liquid flow in pipelines servicing water systems, heating systems, air conditioning, and processing installations for industrial and commercial applications. The flow switches are designed to act as an automatic control or safety devices for liquid flow. The single-pole, double-throw switch can be wired to start or stop a motor when a flow or no flow condition exists or to activate an alarm when flow is inadequate. The switch then turns off the alarm when adequate flow is restored.

Features

- EPDM Seal for Superior Performance over Mechanical Bellows
- Universal Design Replaces Flow Switches by McDonnell Miller, Penn, Taco, Potter and others
- Single Pole Double Throw Switch for Operating Signal Devices, Motors, Alarms, Metering Devices and Heating Units
- Four Heavy Duty Stainless Steel Paddles
- Two 7/8" Electrical Knock-Outs for 1/2" Conduit
- For Use on 1" to 6" Diameter Pipe
- 1" NPT Pipe Connection

Models

FS-200-W-general purposes **FS-204-W**-wet locations

Standards



Underwriter's Laboratories Listed U.S.A. No. 11S1

Pressure-Temperature

Maximum Service Pressure: 160 psi Maximum Temperature: 250°F (121°C) Minimum Fluid Temperature: 33°F (0.5°C)



FS-200-W

Materials

Enclosure: FS-200-W: NEMA 1 – General Purpose

FS-204-W: NEMA 4 - Wet Locations

Control Chassis Material: FS-200-W: 13 gauge galvanized steel

FS-204-W: Anodized cast aluminum

Control Cover Material: FS-200-W: 16 gauge powder coated

steel

FS-204-W: Powder coated cast

aluminum

Contacts: SPDT switch 7.4 FLA, 44.4 LRA

@120VAC Motor Duty

Pilot Duty Rating: 125VA@120/240VAC

Usage: 1" to 6" pipe sizes (see Flow Chart)



Flow Rates

FLOW RATES Required to Actuate the No. FS-200-W and FS-204-W Flow Switch in Horizontal Pipe. Flow rates in U.S. gallons per minute (GPM). Velocity in feet per second (FPS).

FLOW SPECIFICATIONS										
	PIPE SIZE	1"	11/4"	11½"	2"	2 ½"	3"	4"	5"	6"
MINIMUM ADJUSTMENT	FLOW INCREASES	4.5	8.1	11.8	16.5	25	33	51	85 [*]	120*
	FLOW DECREASES	2.2	6.8	7.6	9.3	19	22	38	75*	100*
MAXIMUM ADJUSTMENT	FLOW INCREASES	14.8	22.1	25.7	32.3	75	90*	110*	170*	240 [*]
	FLOW DECREASES	13.8	20.1	23.7	30.5	72	85 [*]	100 [*]	155 [*]	220*

^{*}Calculated for various pipe sizes. Flow rates may vary ±10% from values above.