PADDLE TYPE FLOW METER / SWITCH

LIQUID FLOW SWITCH - FS SERIES

Flow Measurement

& Monitoring



DESCRIPTION

FS series liquid flow switch is designed for managing flow changes, which is commonly used for chain reaction or "no flow" protection. A reactive force is induced in the paddle in proportion to the rate flow in the pipe, and the reaction in turn generates a proportional resistance in the control spring.

Thus, a variable force balance is maintained between the flow and the control spring until the flow exceeds a set flow rate. When the flow reaches the set point, the Reaction Plate activates the micro-switch to make or break the contacts. FS series is suitable to use on water, ethylene glycol or other non-hazardous liquids.

TECHNICAL FEATURES

Connection Paddle Size Contact Electric Load Endurance of Bellow Flow Temperature Ambient Temperature Working Pressure Protection Class Installation 1" NPT (Option: 1/2" and 3/4" NPT) 1" to 6" 1 SPDT 250V AC, 10A 500000 cycles 0 to 120°C 0 to 60°C Max 10 bar IP53 Horizontal / Vertical (must be upward flow)

FEATURES

- ✓ Small size, easy to install
- ✓ Definite on/off action
- ✓ Long life expectancy
- \checkmark Adjustable paddle size
- ✓ Can be used from DN25 to DN150
- ✓ Stainless steel connection is optional suitable for ammonia

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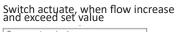
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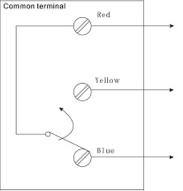
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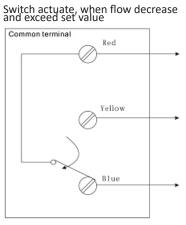
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DIMENSION/DRAWING

Wiring Diagram









Actuate Flow (m ³ /h)															
Pipe Diameter (mm)		25	32	40	50	65	80	100	125	150	200	100*	125*	150*	200*
Min Adjustment	Flow increase (red blue closed)	0.95	1.32	1.70	3.11	4.09	6.24	14.8	28.4	43.2	85.2	8.4	12.9	16.8	46.6
	Flow decrease (red yellow closed)	0.57	0.84	1.14	2.16	2.84	4.32	11.4m,	22.9	35.9	72.7	6.13	9.31	12.26	38.6
Max Adjustment	Flow increase (red blue closed)	2.0	3.02	4.36	6.6	7.84	12.0	29.1	55.6	85.2	172.6	13.4	26.8	32.7	94.26
	Flow decrease (red yellow closed)	1.93	2.84	4.09	6.13	7.23	11.4	27.7	53.4	81.8	165.8	17.3	25.21	30.66	90.85

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