



WFS02

LIQUID FLOW SWITCH



The WFS02 liquid flow switch is designed to manage changes in liquid flow in pipes, such as water, ethylene glycol, or other non-hazardous liquids. When the liquid flow exceeds or falls below the setting value, the single-pole double-throw contacts (SPDT) can get through one circuit and break the other circuit. The WFS02 liquid flow switch is commonly used for "no flow" protection. WFS02 flow switch can be used for up-to 150mm diameter pipe. Flow setting is adjustable by the user.

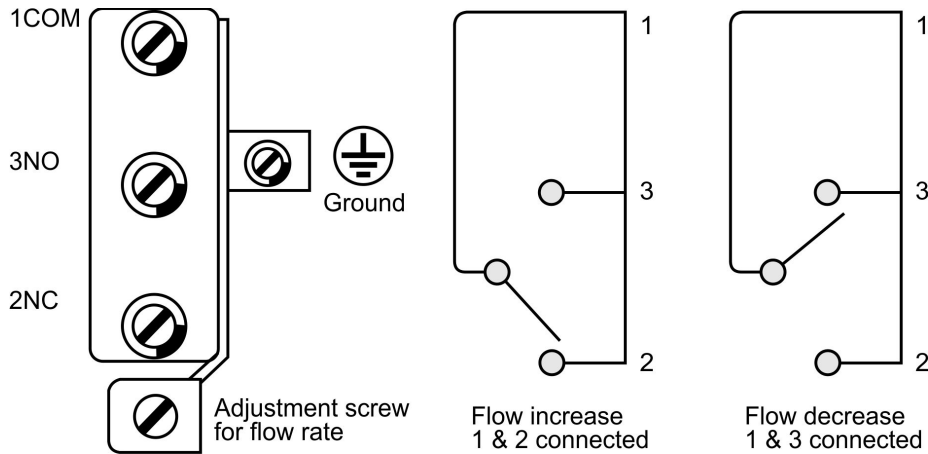
SPECIFICATIONS

- 5 stainless steel paddles to suit pipe diameter up-to 150mm
- Adjustable flow setting
- Flow Temperature: 0-100°C
- Electric Load: AC250V 10A
- The Endurance of Bellows: 5,00,000 cycles
- Max Working Pressure: 10Bar
- Process Connection: 1" NPT M
- Environment Temperature: 0-60°C
- Ingress Protection: IP53

Pipe Diameter (mm)		25	32	40	50	65	80	100	125	150	200	100*	125*	150*	200*
Min. Adjust ment (m ³ /h)	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	11.4	22.9	35.9	72.7	6.13	9.31	12.26	38.6
Max. Adjust ment (m ³ /h)	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

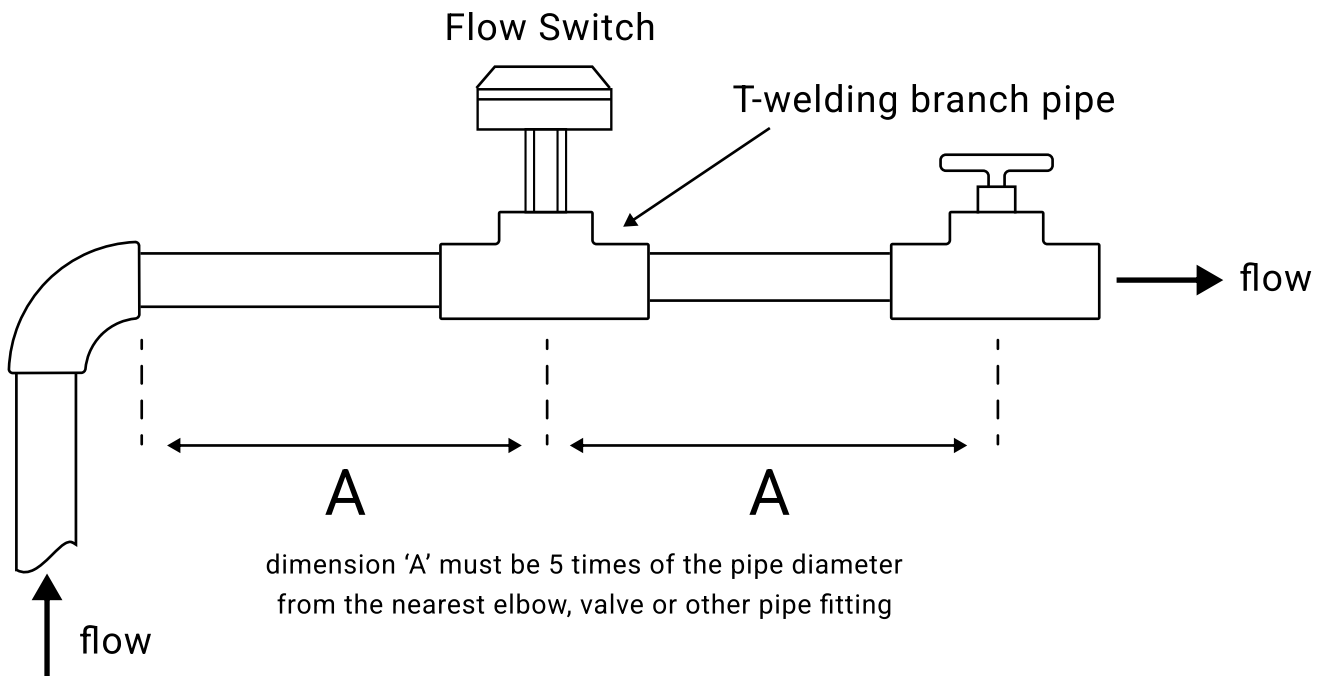
Above flow values are for the reference only

WIRING



INSTALLATION

- The arrow direction in the cover must be as same as the flow direction in the pipe.
- The flow switch is suggested to be installed on horizontal pipes, if it have to be on vertical pipes, then the direction in the pipe must be upward flow. It is not allowed to be installed on the vertical lines with downward flow.
- To avoid the paddle damage, flow reversal is not allowed when the flow switch is working.



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