SPECIFICATIONS

LIQUID FLOW SWITCH ANW5FS

Liquid Flow Switch ANW5FS

Benefits/features

- Used for monitoring liquid flow variations through pipelines, such as water, ethylene glycol, or other non-hazardous liquids
- When the liquid flow exceeds or falls below the set flow value, its single-pole double-throw (SPDT) switch contacts can close one circuit and simultaneously open another circuit
- This flow switch is typically used in applications requiring interlocking or "flow interruption" protection

Basic information

Max working pressure	10.34bar
Electric load	AC250V 10A
Process connection	NPT threads, R threads, and G threads
The endurance of bellows	500,000 cycles
IP grade	IP53

Operating conditions

Temperature	Flow:0...+120℃[+30...+248℉] Ambient:0...+60℃[+30...+140℉]

Specification (FS flow switch)

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	11.4	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

Note:

1.Above flow values are for the reference of choice.

2.The figures with " * " symbol are for the 4 paddles flow switch. While, the figures without " * " symbol are for the 3 paddles (1, 2, 3) flow switch.

3.The paddles will be chose according to the flow in the main pipe where the flow switch is installed in.

Installation

1.Pipe connection:FS series flow switch be provided with 1",1/2",3/4"NPT connections.

2.The arrow direction in the cover must be as same as the flow direction in the pipe.

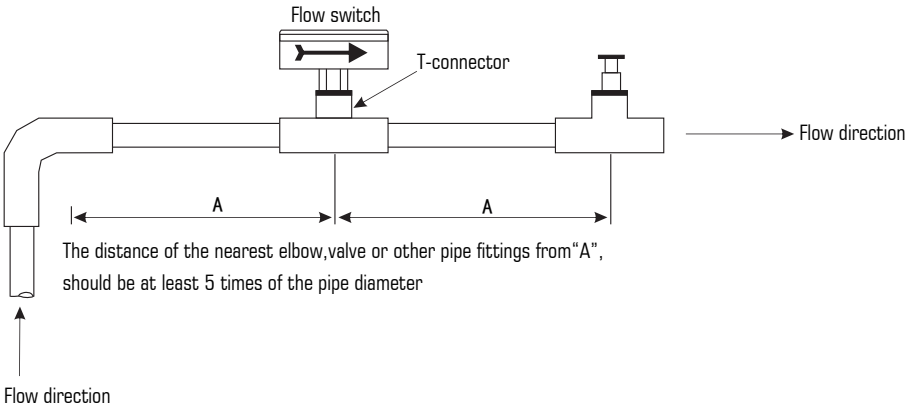
3.The flow switch is suggested to be installed on horizontal pipes, if it have to be on vertical pipes, then the direction in the pipe must be upward flow.It is not allowed to be installed on the vertical lines withdownward flow.

4.To avoid the paddle damage, flow reversal is not allowed when the flow switch is working.

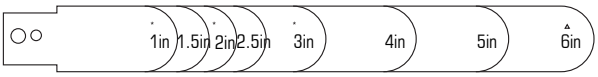
INSTALLATION & ORDER CODE SELECTION TABLE

LIQUID FLOW SWITCH ANW5FS

Installation drawing



Paddle



THE PADDLE TRIMMING FIGURE

Attention：

1.The paddles with"*"symbol are installed in factory

2.The paddle with"△"symbol is the additional paddle.(not installed)

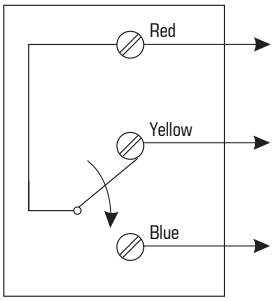
3.The balance paddles are for trimming

4.When install the trimmed paddles, the end of paddle should keep 5--10mm distance from the pipe end and no friction with the pipe

Wiring diagram

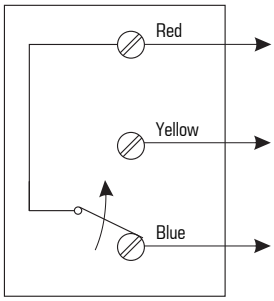
Switch actuate,when the flow increasing and exceed the setting value

Common terminal



Switch actuate,when the flow decreasing and exceed the setting value

Common terminal



Liquid Flow Switch ANW5FS

Name	Connection Size	Connection Materia
ANW5FS	1	C
	1=NPT threads 2=R threads 3=G threads	C=Brass(for water or other liguids suitable for brass) S=Stainless steel (for ammonia and other liguids suitable for stainless steel)

Anwoll

5634 Grand Floral Blvd. Houston, TX 77041 USA
E-mail: sales@anwoll.com, ritter@anwoll.com, andy@anwoll.com
Website: www.anwoll.com