



General Purpose Flow Switch

General

The paddle-type WFS Series flow controllers are specifically designed for use on liquid lines such as water, ethylene glycol or any fluid which is not harmful to brass or phosphor bronze and which is not classified as a hazardous fluid.

When a WFS Series flow controller is used as an operating control device and where an operating control device failure would result in personal injury and/or loss of property, it is the responsibility of the user to add safety devices that protect against control device failure.

Mounting

The flow controller can be mounted in a horizontal or vertical pipeline but must be located in a section of pipe where there is a straight run of at least 5 pipe diameters on each side of the controller.

Material

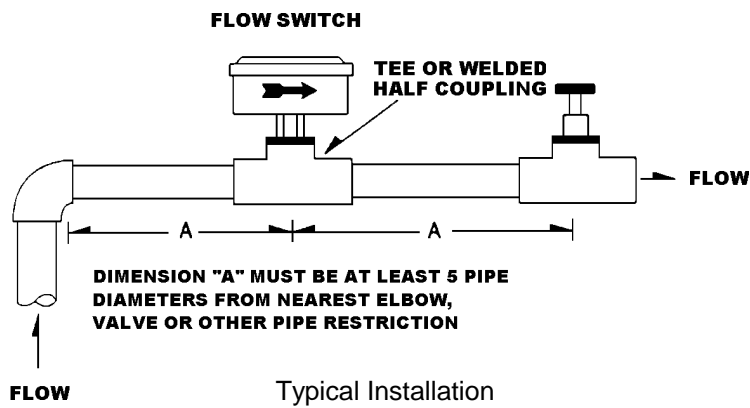
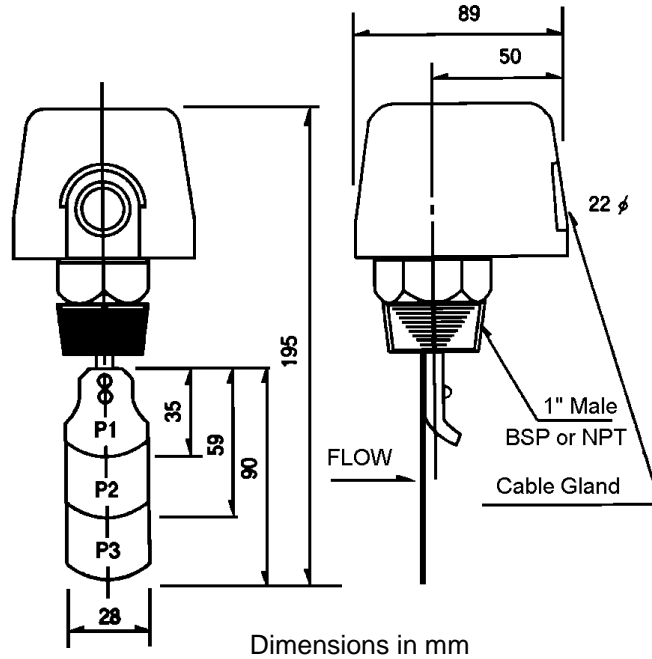
Base Plate:	Carbon Steel (WFS-A) Stainless Steel (WFS-B)
Cover:	Carbon Steel (WFS-A) Plastic (WFS-B)
Connection:	Brass
Paddle:	Stainless Steel



Specification

Working Pressure:	10 bar (1,000 kPa)
Connection:	1" BSP
Fluid Temperature:	1 - 100 °C
Ambient Temperature:	0...60 °C
Working Life:	500,000 times
Switch Action:	SPDT, Snap action
Maximum Voltage	250 VAC, 15(7.5) A, 50/60 Hz
Protection:	IP 53
Shipping Weight:	0.7 kg

The specification above are normal and conform to generally acceptable industry standard. Cyrus is not responsible for damages resulting from misapplication or misuse of its products



Flow Chart		m3/h									
		20	25	32	40	50	65	80	100	125	150
Min Adjustment	Increasing	1.11	1.36	2.22	2.89	4.27	5.51	6.82	9.02	13.33	17.99
(Factory Set)	Decreasing	0.66	0.82	1.27	1.59	2.13	2.63	2.72	4.49	6.65	8.99
Max Adjustment	Increasing	2.12	2.32	3.80	5.22	7.45	9.63	11.83	16.69	26.12	37.70
	Decreasing	1.82	2.09	3.41	4.43	5.45	8.51	10.47	14.58	20.89	27.94

Setting Adjustment

1. Remove flow controller cover.
2. For higher flow rate, turn range adjusting screw clockwise.
3. For lower flow rate, turn range adjusting screw counter-clockwise.
4. Be sure that flow controller cover is replaced before leaving jobsite.

