

## PF Series WATER FLOW SWITCH

### PRODUCT SPECIFICATION SHEET

#### APPLICATION

The paddle type SPDT PF series are designed to provide excellent performance where accuracy, reliability, and rugged construction are required used in liquid flow lines carrying water or any fluid neither harmful to brass and phosphor bronze nor classified as a hazardous fluids.

They can be wired to close one circuit and open a second circuit when liquid flow either exceeds or drops below the adjusted flow rate.

The PF series are recommended for liquid pressure and temperature as mentioned below and must not be used on lines carrying liquids below 0 C degree.

These series may be used on liquids with high salt or chlorine content but is not for use in hazardous atmospheres.

They may be also used outdoors but must be protected from weather or splashing water.

All series PF flow switches are designed for use only as operating controls.

Where an operating control failure would result in personal injury and/or loss of property, it is the responsibility of user to add safety devices that protect against, or supervisory systems that warn of control failure.

MODEL : PF Series  
Plastic Cover



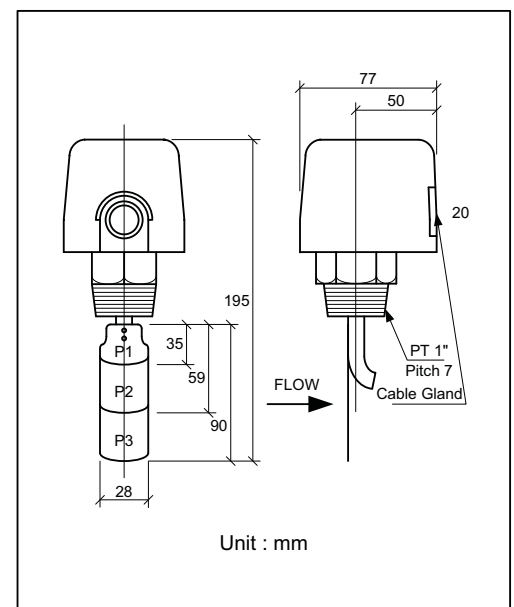
#### SPECIFICATION

<b>Operating Pressure</b>	10kgf/cm2 (981KPa)
<b>Withstand Pressure</b>	17.5kgf/cm2 (1717KPa)
<b>Insulation Resistance</b>	Over 100Ω, DC500VM
<b>Withstand Voltage</b>	AC1500V/1minute
<b>Contact Point Life</b>	1000K Cycle
<b>Bellows Life</b>	500K Cycle
<b>Temperature of Fluid</b>	Max 100°C (212 °F)

#### ELECTRICAL RATINGS

Type	Voltage	Resistance Load	Lamp Load	Motor Load
<b>AC (Standard)</b>	AC 125 V	3.5A	21A	3A
	AC 250 V	2.5A	15A	2.5A
<b>DC</b>	DC 125 V	0.5A		
	DC 250 V	0.25A		

#### DIMENSION



**FLOW CONTROL RANGE TABLE**

CLASSIFICATION		FLOW CONTROL RANGE LPM (GPM)			
Pipe Diameter (inch)	Paddle	Minimum		Maximum	
		On-Flow	Off-Flow	On-Flow	Off-Flow
1	1	15 (4.0)	8 (2.0)	45 (12.0)	41 (11.0)
1-1/4		26 (6.9)	13 (3.4)	75 (20.0)	68 (18.0)
1-1/2		29 (7.0)	20 (5.3)	105 (28.0)	94 (25.0)
2	2	34 (9.0)	17 (4.5)	120 (32.0)	105 (28.0)
2-1/2		60 (16.0)	34 (9.0)	210 (55.0)	188 (50.0)
3	3	68 (18.0)	30 (8.0)	288 (76.0)	275 (73.0)
4		128 (34.0)	64 (17.0)	412 (109.0)	360 (95.0)
5		225 (59.0)	113 (30.0)	750 (198.0)	652 (172.0)
6		345 (91.0)	172 (45.0)	1125 (297.0)	975 (258.0)

This table illustrates the flow control range obtained from experimental data. A variation of up to 10% can be expected, depending on operating conditions. Final adjustments should be made on site using a flow meter.

