

FLOW SWITCH



Feature

The paddle type SPDT HFS 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 HFS series are recommended for liquid pressure and temperature as mentioned below and must not be used on lines carrying liquids below 0°C.

These series may be used on liquids with high salt or chlorine contact 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 HFS 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 responsibility of user to add safety devices that protect against, or supervisory systems that warn of control failure.

Electric Zone Valve(Motor Valve)

Specification

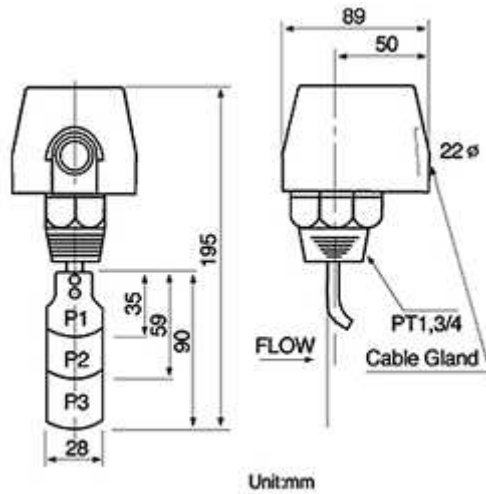
Operating Pressure	10 kgf/cm ² (10 bar)
Withstand Pressure	17.5 kgf/cm ² (17.7 bar)
Insulation Resistance	Over 100 MΩ (DC 500VM)
Withstand Voltage	AC100V / 1 minute
Contact Point Life	1000 k Cycle
Bellows Life	500k Cycle
Temperature of Fluid	Max 100 °C (212°F)

Electrical Function

Type	Voltage	Resistance Load	Lamp Load	Motor Load
AC (Standard)	AC 125V AC 250V	5A 2.5A	44A 22A	5A 2.5A

DC	DC 115V DC 230V	0.3A 0.15A	-	-
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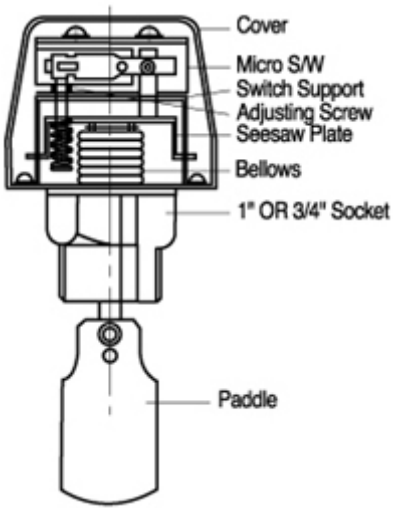
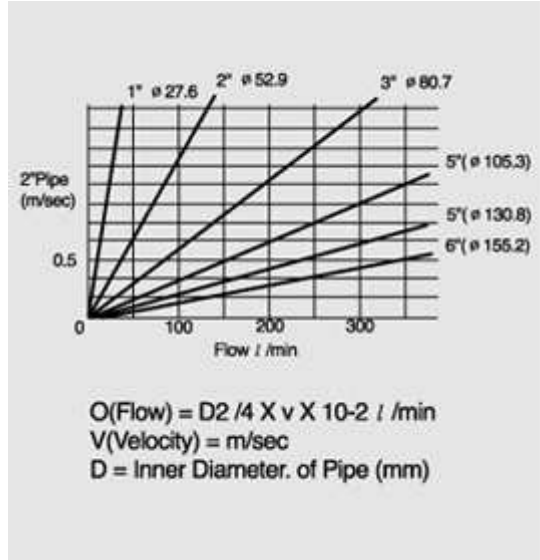
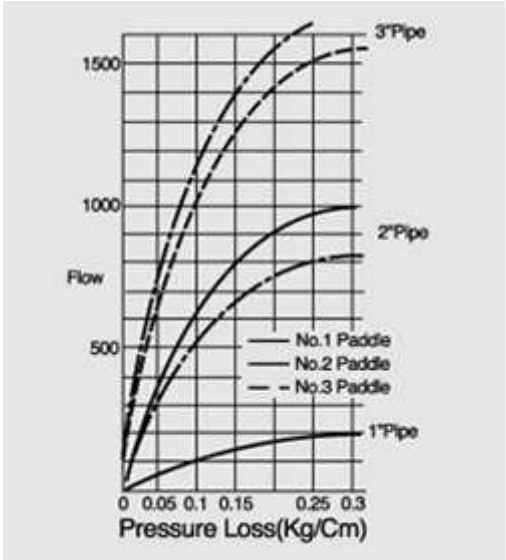
Appearance



CLASSIFICATION		FLOW CONTROL RANGE		LPM	
Pope Diamter (inch)	Paddle	Minimum		Maximum	
		ON FLOW	OFF FLOW	ON FLOW	OFF FLOW
1/2	1				
3/4					
1		15	8	45	41
1 -1/4		26	13	75	68
1-1/2		29	20	105	94
2	2	34	17	120	105
2-1/2		60	34	210	188
3	3	68	30	288	275
4		128	65	412	360
5		225	113	750	652
6		345	172	1125	975

Pressure Loss Rate

Flow-Velocity



Typical Installation.

