

Introduction

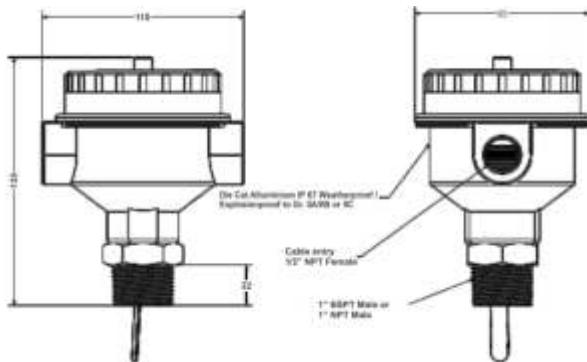
WFSPT Series Flow Switches are Stainless Steel Bellow Sealed Flow Switch. WFSPT Flow switches offer positive isolation between Fluid medium and Electrical assembly. Due to its weatherproof enclosure. This flow switch is ideally suitable for outdoor application.



Technical Specifications

Service	: Water, oil, moderately corrosive chemical.
Max. System Pressure	: 20 Kg/cm ²
Temperature Range	: 8-120°C
Pressure Drop	: <80 mbar at Qmax. (For Qmax. Refer flow range table)
Wetted Parts	: Bellows : SS316Ti, Body Material : SS316
Process Connection	: ½" or 1" BSPT male or NPT male
Mounting	: Horizontal or upward flow. Not Recommended for Downward Flow.
Electrical Rating	: 15A, 150VAC SPDT Micro Switch / 2x5A 230VAC SPDT Micro Switches
Enclosure	: Die Cast Aluminium
Enclosure Protection	: Weatherproof to IP 67 / Flameproof to Gr. IIA/IIB or IIC
Cable Entry	: 1/2" NPT Female
Cable Glands	: Not in our scope of supply

Dimensions



Flow Range Table

Line Size	Switching Range LPM		Qmax. LPM	Line Size	Switching Range LPM		Qmax. LPM
	Min	Max			Min	Max	
½" – 25 mm	20	60	80	5" – 125mm	200	600	1500
¾" – 32 mm	30	90	150		6" – 150mm	240	720
1" – 25mm	40	120	180	8" – 200mm		320	960
1 ¼" – 32mm	50	150	200		10" – 250mm	400	1200
1 ½" – 40mm	60	180	280	12" – 300mm		480	1440
2" – 50 mm	80	240	500				
2 ½" – 65 mm	100	300	400				
3" – 80mm	120	160	600				
4" – 100mm	160	480	1000				

Note: For line size ½", ¾" & 1" (optional) the instruments are supplied with Integral Tee. Direct on line mounting is not available for these size.

Ordering Information

Example : WFSPT-25L2A1

Basic Model **WFSPT-25 L3 S2 A1**

Enclosure / Protection

- *WFSPT – Weather proof to IP 65 to 67
- *EP-FSPT – Explosion proof to Group IIA / IIB
- *GFP-FSPT – Flameproof to group IIC

WFSPT

Important while ordering

For placing order please fulfill following requirement.

- System Pressure
- Desired Flow Rate
- Fluid Temperature
- Fluid Characteristics
- In case of lub-oils, viscosity must be indicated.
- Line size or pipe size.

Process Connection

- *15 – Threaded to ½” BSPT – male
- *25 – Threaded to 1” BSPT – male
- *25N – Threaded to 1” NPT – Male
- *25f – Flange Process Connection

25

Line Size

L1	15mm	½”	L7	65mm	2 ½”
L2	20mm	¾”	L8	80mm	3”
L3	25mm	1”	L9	100mm	4”
L4	32mm	1 ¼”	L10	125mm	5”
L5	40mm	1 ½”	L11	150mm	6”
L6	50mm	2”	L12	200mm	8”

L2

Tee Fittings

- *T1 – SS304 Tee Fitting
- *T2 – SS316 Tee Fitting
- *FT1 – SS304 Flanged Tee Fitting with 1” BSP/NPT Female coupling
- *FT2 – SS316 Flanged tee Fitting with 1” BSP/NPT Female coupling
- *F1 – SS304 Flanged Tee Fitting
- *F2 – SS316 Flanged Tee Fitting

T2

M.O.C of wetted parts

- S2 – SS 316L body, SS 316Ti Bellows, SS 316L Paddle

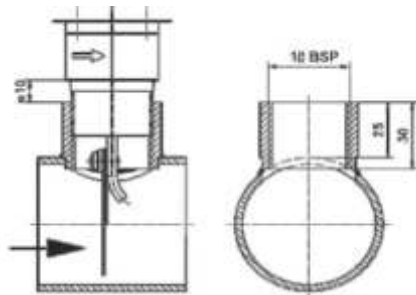
S2

Switch Rating

- *A1 – 15A 250VAC, Snap acting instrument quality SPDT Microswitch
- *C2 – 2 X 5A 250 V AC, snap acting Instrument quality SPDT Microswitch.

A1

Installation Instructions



The Flow Switch 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 switch.

For detailed Installation information please refer the Installation manual provided with Flow Switch.

Continuous efforts for product development may necessitate changes in these details without notice.

Authorised Dealer



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