

FS8-WJ

Splash-proof Flow Switch



The FS8-WJ splash-proof flow switch is a paddle type flow switch to be mounted in 1 to 6 (B) inch pipe size of process water pipe run and is used for a water cut-off relay to detect the water flow or level.

The flow sensing section is composed of a paddle and a sealed bellows to actuate the micro switch by sensing the change in the flow rate. The settings of switch actuation by the flow rate and no-flow rate can be made with an adjustment screw.

Specifications

(See below table)

Selection Guide

Model No.	Description
FS8-WJ	Splash-proof flow switch

(Table)

Body/ operating unit	Applicable fluid	Water (non-corrosive)																			
Operation & output	ON-OFF (micro switch SPDT contacts)																				
Model No.	Wetted area material	Max. pressure	Temperature range			Weight		Color	Mounting												
FS8-WJ	Body: Brass Paddle: Monel	1.03MPz	0 to 107°C			Approx. 0.9kg		Black	R1 screw thread horizontal mounting in horizontal pipe run												
Actuation flow rate (standard value)	Pipe size (B)	1			1 1/4		1 1/2		2		2 1/2		3		4		5		6		
	Flow																				
Min. adjustment (Factory set)	Actuation	ℓ /min	20	30	35	55	70	95	135	185	230										
		m/s	0.55	0.48	0.45	0.39	0.36	0.31	0.27	0.23	0.18										
Stoppage	Actuation	ℓ /min	15	20	25	35	45	65	105	145	180										
		m/s	0.37	0.34	0.31	0.27	0.24	0.21	0.20	0.18	0.16										
Max. adjustment	Actuation	ℓ /min	65	110	140	210	270	330	440	670	920										
		m/s	2.0	1.9	1.8	1.6	1.44	1.16	0.90	0.86	0.82										
Stoppage	Actuation	ℓ /min	55	90	120	180	220	270	400	600	850										
		m/s	1.7	1.6	1.5	1.36	1.19	0.95	0.79	0.77	0.75										
Paddle dimension to use	Note (1)		For 1B	32mm	38mm	Fro 2B	57mm	For 3B	92mm	117mm	143mm										
Contact rating (motor duty)	Voltage	115Vac		230Vac		115Vdc		230Vdc		115 to 230Vac											
		Load		7.4A		3.7A		0.3A		0.15A		Pilot load									
		Full load		44.4A		22.2A						125VA									
		Locked rotor																			
General specification	Straight pipe length required for mounting	At least 5 times the pipe sizes required for each upstream and downstream side for mounting																			
	Accessories	Paddles: Part No. SAFS4-15 for 1, 2 and 3B sizes, and part No. FS4-37 for 4, 5 and 6B sizes Note (1) Note 1: The paddles are trimmed to match pipe sizes except those for 1, 2, 3, 4, 5 or 6B.																			

Dimensions

(unit:mm)

