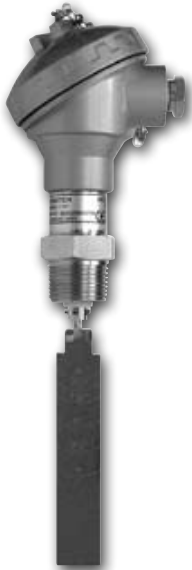


PSF50 Paddle flow switch

Paddle flap flow / no flow switch



Economically priced flow/no flow paddle operated flow switch. Simple and reliable design for liquids up to 140°C. Operates with flow in both directions for installation on pipes from 1" to 3". IP65 protection housing with explosion proof version available.

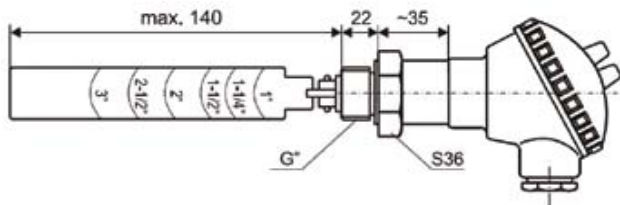
- Stainless Steel construction
- Pipe sizes up to 3"
- High temperature (max 140°C, 150°C for CIP)
- EEx d version

Operating Information	
Medium type	low-contaminated liquid
Process temperature	-30...140 °C (-30...100 °C for Ex version)
CIP temperature	up to 150 °C
Process pressure	up to 25 bar
Max pressure drop	max. 200 mbar
Ambient temperature	-40...85 °C
Ambient humidity	0...95 %RH

Operating principle	paddle-operated magnet switch
Flow range	15...130 l/min
Range adjustment	cut paddle length, 1...3"

Output type	NO/NC reed contact, 230 VAC, 2A, 50 W
Output action	activates at flow rate over set point
Set-point adjustment	cut paddle length
Set-point tolerance	± 25%
Repeatability	± 5%

Dimensional Data



Options & Ordering Information

Pipe diameter	1"		1 1/4"		1 1/2"		2"		2 1/2"		3"		
Flow range (set-point) (l/min)	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	
Paddle length	1"	20	16	33	25	47	35	66	58				
	1 1/4"			25	18	35	27	58	47	89	78		
	1 1/2"					54	39	89	62	124	97		
	2"							70	47	93	66	128	105
	2 1/2"									78	50	105	85
	3"											85	62
Process connection	G1", 1" NPT												
Electrical connection	screw terminals inside the housing												
Housing (protection)	aluminium head type "G" (IP65) or ATEX-approved Ex 'd' head type "EG" (IP68)												
Wetted parts	304 stainless steel (1.4301)												
Weight	max. 950 g												

Feature or option	Order Code PSF-X.X
Housing	G = IP65 head type "G", EG = IP68 ATEX approved Exd head type "EG"
Process Connection	Q12 = G1" BSP, Q15 = 1" NPT

Example
PSF50-G.Q12