

Paddle Flow Switch PSF50

- ◆ Attractive price
- ◆ Simple and reliable design
- ◆ For liquids up to 140 °C
- ◆ Operates both flow directions
- ◆ Installation on pipes from 1" to 3"
- ◆ IP65 protection housing
- ◆ Explosion-proof version available



Technical specifications

Input

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

Output

Output type	NO/NC reed contact, 230 VAC, 2 A, 50 W
Output action	activates at flow rate over set point
Set-point adjustment	cut paddle length
Set-point tolerance ⁽¹⁾	± 25%
Repeatability	± 5%

Operating conditions

Medium type	low-contaminated liquid
Process temperature ⁽¹⁾	-30...140 °C (-30...100 °C for Ex version)
CIP temperature	up to 150 °C
Process pressure	up to 25 bar
Admissible pressure drop	max. 200 mbar
Ambient temperature	-40...85 °C
Ambient humidity	0...95 %RH

⁽¹⁾ Process temperature changes do affect set point, especially when specific gravity changes too. Please contact COMECO for assistance.

Model	PSF50												
Specifications													
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) ⁽²⁾	aluminum head type "G" (IP65) or ATEX-approved Ex 'd' head type "EG" (IP68) ⁽³⁾												
Wetted parts	304 stainless steel (1.4301)												
Weight	max. 950 g												

⁽²⁾ See Appendix for protective head dimensions.

⁽³⁾ Ask for availability!

Ordering code PSF50 - G0.G9

Code	Feature or option	Code values
G0	Housing	G - head type "G", EG - head type "EG" ⁽³⁾
G9	Process connection	Q12 - G1", Q15 - 1" NPT