

## 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



### Technical specifications

<b>Input</b>	
<b>Operating principle</b>	paddle-operated magnet switch
<b>Flow range</b>	15...130 l/min (see table below)
<b>Range adjustment</b>	cut paddle length, 1...3"
<b>Output</b>	
<b>Output type</b>	NO/NC reed contact, 120 V / 0.5 A / 10 W, 230 V / 0.5 A / 10 W, 230 V / 2.0 A / 50 W, 230 V / 1.0 A / 30 W
<b>Output action</b>	activates at flow rate over set point cut
<b>Set-point adjustment</b>	paddle length
<b>Set-point tolerance <sup>(1)</sup></b>	± 25%
<b>Repeatability</b>	± 5%

### Operating conditions

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

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

Model	PSF50												
<b>Specifications</b>													
<b>Pipe diameter</b>	1"		1 1/4"		1 1/2"		2"		2 1/2"		3"		
<b>Flow range (set-point) [l/min]</b>	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	
<b>Paddle length</b>	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
<b>3"</b>											85	62	
<b>Process connection</b>	G1", 1" NPT												
<b>Electrical connection</b>	screw terminals inside the housing												
<b>Housing (protection) <sup>(2)</sup></b>	aluminum head type "G" (IP65) or "EG" (IP68)												
<b>Wetted parts</b>	304 stainless steel (1.4301)												
<b>Weight</b>	max. 950 g												

<sup>(2)</sup> See Appendix for protective head dimensions.

**Ordering code** PSF50 - G0.G9.G10

Code	Feature or option	Code values
<b>G0</b>	Housing	<b>G</b> - head type "G", <b>EG</b> - head type "EG"
<b>G9</b>	Process connection	<b>Q12</b> - G1", <b>Q15</b> - 1" NPT
<b>G10</b>	Contact ratings	<b>C1</b> - 120 V / 0.5 A / 10 W (NO/NC), <b>C2</b> - 230 V / 0.5 A / 10 W (NO/NC), <b>C3</b> - 230 V / 2.0 A / 50 W (NO/NC) <b>C4</b> - 230 V / 1.0 A / 30 W (NO/NC) <sup>(3)</sup>

<sup>(3)</sup> Contact COMECO!