

BONT[®]

Bont Technologies GmbH

Rotary Paddle Level Switch



Product Feature

Highly integrated mechanical sealing which prevent infiltration of powder along the axle, special paddle be applied for materials of low density.

Specific elastic clutch structure when the paddle is overloaded, it will automaticall protect the motor. Completely separate mechanical and electrical structure, with no need of dismantling and convenient for maintenance.

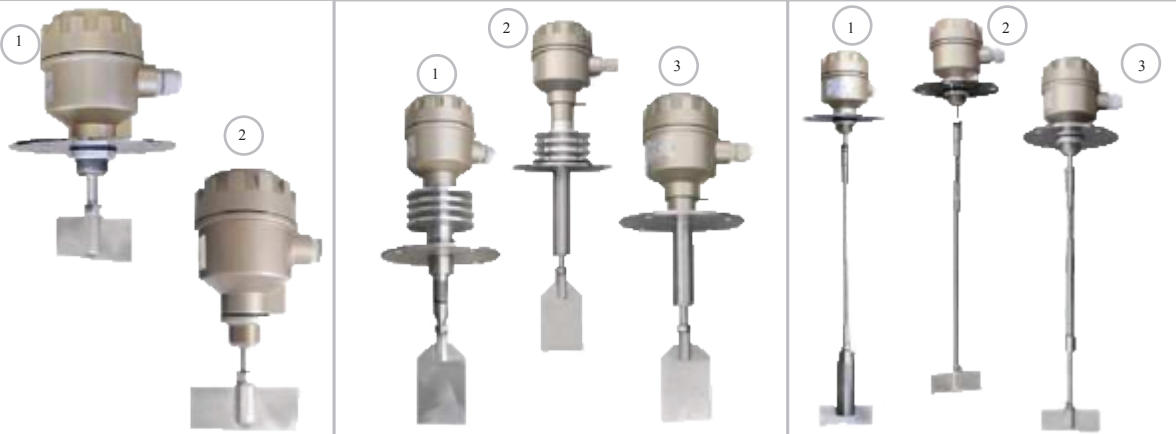
Application

Widely applied for manufacturing and processing instruments in fields of food, feed stuff, cement, plastic processing, infrastructure, chemical and chemical fibre industry, etc.

Working Principle

On the basic that motor drives the paddle to rotate, when the medium measured increase up to the level of the paddle position, the paddle will stop rotating for the obstruction of the medium, then there will output ON or OFF contact signal through related control stucture; when the medium decrease lower than the paddle position, the paddle under the force of the spring will restore to the normal position to rotate and detect the position changes of medium.

Specification

Type	Standard Rotary Paddle Level Switch	High Temperature Rotary Paddle Level Switch	Rotary Paddle Level Switch
Model	① SR2-10F	① SR2-20F-H	① SR2-40F
	② SR2-10S	② SR2-20F-T	② SR2-10F-L
		③ SR2-20F	③ SR2-30F
Power Supply	220VAC (Optional 110VAC, 24VAC, 24VDC)		
Contact Capacity	250VAC/5A, SPDT		
Medium Temperature	-10°C ~ 80°C	Max 200°C ~ 800°C	-10°C ~ 80°C
Power	3W		
Paddle Material	SS304		
Rotating Speed of Paddle	1 rpm		
Paddle Size	40 x 100mm	65 x 100mm	40 x 100mm
Electrical Connection	M20 x 1.5		
S.G	$\geq 0.4\text{g/cm}^3$		
Installation	Vertical/Horizontal	Vertical/Horizontal	Vertical Only
			

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