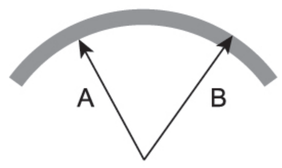
The Series KF510-JH Saddle Type Paddlewheel Flowmeter

From DN10 to DN50, easy to install and maintain



The Serise KF510-JH Saddle Type Paddlewheel Flowmeter is commonly used for liquid flow measurement in industries such as water supply and drainage systems, petroleum, chemicals, and hydraulic systems. Featuring a simple structure and easy installation, it is widely applied in both industrial settings and laboratories. Its measurement principle involves fluid flowing through the flowmeter, driving the paddlewheel to rotate at a speed proportional to the fluid velocity. The paddlewheel drives an electromagnetic device, converting mechanical rotation into electrical pulse signals; calculating the pulse frequency yields the instantaneous or cumulative flow rate of the fluid.

FEATURES

- ·Saddle type installation for convenient installation
- ·Intuitive measurement with linear correlation between rotational speed and flow rate
- ·High measurement accuracy
- ·Simple structure, easy maintenance, low maintenance cost
- ·Suitable for clean liquids like water and oil, featuring a wide turndown ratio and broad application range
- ·Highly sensitive to flow changes, rapid response, capable of reflecting flow velocity fluctuations in real time

APPLICATIONS

- ·Petrochemical Industry
- ·Metallurgical Industry
- ·Textile Industry
- ·Pharmaceutical Industry
- ·Semiconductor Industry
- ·Food and Beverage Industry
- ·Paper and Pulp
- ·Power Plants
- ·Urban Water Supply and Drainage
- ·Environmental Protection
- ·New Energy Industry
- ·Shipbuilding Industry

SPECIFICATIONS

Pipe Size	DN50 - DN250
Accuracy	±0.5% ~ ±1%
Ambient Temperature	-25°C to 55°C
Temperature Rating	-20°C to 100°C
Pressure Rating	0.6MPa - 1.6MPa (varies by model)
Process Connection	Saddle type installation
Power Supply	24V DC, optional battery power supply
Output	4-20mA + Pulse + RS485
Enclosure Rating	IP65

MODEL CHART

Example	KF510-JH	-A	-JH	-50	-AD	-1	-1	-6	-(114-108)	
Series	KF510-JH									Saddle Type Paddlewheel Flowmeter
Converter Type		A								Integrated Type
		B								Remote Type
Installation			JH							Saddle Type
Pipe Size				50						DN50, Flow Range: 4 m³/h - 40 m³/h, Working Pressure: 0.8MPa, AxB = 60.3 x 90mm
				65						DN65, Flow Range: 6 m³/h - 60 m³/h, Working Pressure: 0.8MPa, AxB = 73 x 105mm
				80						DN80, Flow Range: 10 m³/h - 100 m³/h, Working Pressure: 0.8MPa, AxB= 89 x 120mm
				100						DN100, Flow Range: 15 m³/h - 150 m³/h, Working Pressure: 0.8MPa, AxB = 114 x 144mm
				125						DN125, Flow Range: 20 m³/h - 200 m³/h, Working Pressure: 0.8MPa, AxB = 140 x 170mm
				150						DN150, Flow Range: 40 m³/h - 400 m³/h, Working Pressure: 0.8MPa, AxB = 160 x 180mm
				200						DN200, Flow Range: 60 m³/h - 600 m³/h, Working Pressure: 0.8MPa, AxB = 219 x 250mm
				250						DN250, Flow Range: 100 m³/h - 1000 m³/h, Working Pressure: 0.8MPa, AxB = 273 x 310mm
Flow Transmitter Function					AT					Instantaneous flow rate, cumulative flow rate
					AF					Instantaneous flow rate, cumulative flow rate, current output
					AC					Instantaneous flow rate, cumulative flow rate, pulse output
					AD					Instantaneous flow rate, cumulative flow rate, RS485
Power Supply						1				Battery-powered (no signal output)
						2				24V DC
Interlock Alarm							1			High limit alarm
							2			Low limit alarm
							3			Batch control
							4			No alarm
Flow Unit								1		L/S
								2		L/min
								3		L/h
								4		m³/S
								5		m³/min
								6		m³/h
								7		G/S
								8		G/min
								9		G/h
Pipe Dimensions									xxxxx	Provide dimensions for pipeline (outer diameter, inner diameter, wall thickness)