

The Series KF510-VA Threaded Type Paddlewheel Flowmeter

From DN10 to DN50, easy to install and maintain



The Series KF510-VA Threaded 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

- Threaded connection 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	
Wetted Materials	Body:PVDF; Paddlewheel:PVDF,PTFE; Shaft: Ceramic; Seal Ring:FKM
Pipe Size	DN10 - DN50
Flow Velocity Range	0.3m/s ~ 6m/s
Accuracy	±1.5%FS
Repeatability	±0.5%
Ambient Temperature	-20°C to 65°C
Temperature Rating	PVDF:-20°C to 80°C
Pressure Rating	0.8MPa or 1.0MPa
Dimensions	100mm × 100mm
Installation Type	Panel-mounted type (cutout size 95*95), integrated pipe type
Power Supply	24V DC, optional battery power supply
Output	4-20mA + Pulse + RS485
Power Consumption	2W
Enclosure Rating	IP65

MODEL CHART

Example	KF510-VA	-A	-10	-1	-AT	-1	-1	
Series	KF510-VA							Threaded Type Paddlewheel Flowmeter
Converter Type		A						Integrated Type
		B						Remote Type
Pipe Size			10					DN10. Range: 0.1m³/h - 1.8 m³/h, Male Thread BSP 3/8", Working Pressure:1.0MPa, A=152mm, B=121mm
			15					DN15. Range: 0.2m³/h - 4 m³/h, Male Thread BSP 1/2", Working Pressure:1.0MPa, A=152mm, B=130mm
			20					DN20. Range: 0.3m³/h - 6 m³/h, Male Thread BSP 3/4", Working Pressure:1.0MPa, A=158mm, B=134mm
			25					DN25. Range: 0.5m³/h - 12 m³/h, Male Thread BSP 1", Working Pressure:0.8MPa, A=158mm, B=141mm
			40					DN40. Range: 2m³/h - 24 m³/h, Male Thread BSP 1-1/2", Working Pressure:0.8MPa, A=168mm, B=175mm
			50					DN50. Range: 4m³/h - 40 m³/h, Male Thread BSP 2", Working Pressure:0.8MPa, A=184mm, B=175mm
Process Connection				1				BSP Thread
				2				NPT Thread
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

The Series KF510-JA Wafer Type Paddlewheel Flowmeter

From DN15 to DN250, easy to install and maintain



The Serie KF510-JA Wafer 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

- Threaded connection for convenient installation
- Intuitive measurement with linear correlation between rotational speed and flow rate
- High measurement accuracy
- Simple structure, easy maintenance, low maintenance cost
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- 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

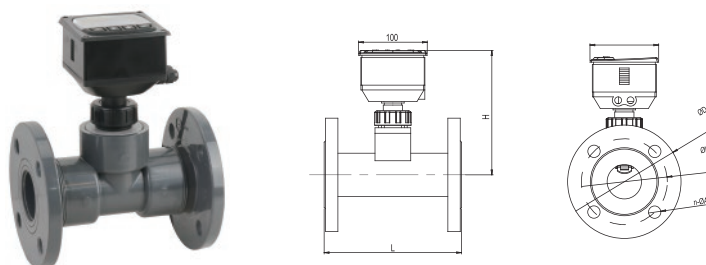
Wetted Materials	Body: PP; Paddlewheel: PVDF, PTFE; Shaft: Ceramic; Seal Ring: FKM
Pipe Size	DN15- DN250
Flow Velocity Range	0.3m/s ~ 6m/s
Accuracy	±1.5%FS
Repeatability	±0.5%
Ambient Temperature	-20°C to 65°C
Temperature Rating	PP: -20°C to 80°C
Pressure Rating	0.8MPa or 1.0MPa
Dimensions	100mm × 100mm
Installation Type	Panel-mounted type (cutout size 95*95), integrated pipe type
Power Supply	24V DC, optional battery power supply
Output	4-20mA + Pulse + RS485
Power Consumption	2W
Enclosure Rating	IP65

MODEL CHART

Example	KF510-JA	-A	-65	-2	-AT	-2	-4	-2	
Series	KF510-JA								Wafer Type Paddlewheel Flowmeter
Converter Type		A							Integrated Type
		B							Remote Type
Pipe Size			15						DN15, Flow Range: 0.2m³/h - 4 m³/h, Working Pressure: 0.8MPa
			20						DN20, Flow Range: 0.3m³/h - 6 m³/h, Working Pressure: 0.8MPa
			25						DN25, Flow Range: 0.5m³/h - 12 m³/h, Working Pressure: 0.8MPa
			40						DN40, Flow Range: 2m³/h - 24 m³/h, Working Pressure: 0.8MPa
			50						DN50, Flow Range: 4m³/h - 40 m³/h, Working Pressure: 0.8MPa, C=124mm, N-ΦA=4-Φ18
			65						DN65, Flow Range: 6m³/h - 60 m³/h, Working Pressure: 0.8MPa, C=145mm, N-ΦA=4-Φ18
			80						DN80, Flow Range: 10m³/h - 100 m³/h, Working Pressure: 0.8MPa, C=160mm, N-ΦA=8-Φ18
			100						DN100, Flow Range: 15m³/h - 150 m³/h, Working Pressure: 0.8MPa, C=180mm, N-ΦA=8-Φ18
			125						DN125, Flow Range: 20m³/h - 200 m³/h, Working Pressure: 0.8MPa, C=210mm, N-ΦA=8-Φ18
			150						DN150, Flow Range: 40m³/h - 400 m³/h, Working Pressure: 0.8MPa, C=240mm, N-ΦA=8-Φ18
Process Connection			200						DN200, Flow Range: 60m³/h - 600 m³/h, Working Pressure: 0.8MPa, C=295mm, N-ΦA=8-Φ18
			250						DN250, Flow Range: 100m³/h - 1000 m³/h, Working Pressure: 0.8MPa, C=350mm, N-ΦA=12-Φ22
				1					DIN Standard
				2					American Standard (ANSI)
Flow Transmitter Function				3					Japanese Standard (JIS)
					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
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

The Series KF510-FA Flange Type Paddlewheel Flowmeter

From DN32 to DN250, easy to install and maintain



The Series KF510-FA Flange 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

- Threaded connection 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

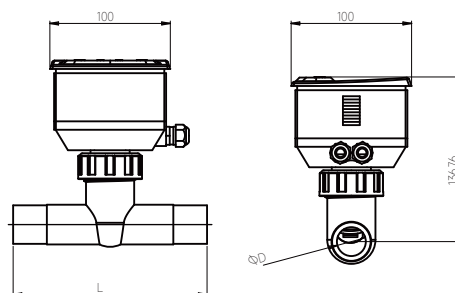
Wetted Materials	Body: PVC; Paddlewheel: PVDF, PTFE; Shaft: Ceramic; Seal Ring: FKM
Pipe Size	DN32- DN250
Flow Velocity Range	0.3m/s ~ 6m/s
Accuracy	±1.5%FS
Repeatability	±0.5%
Ambient Temperature	-20°C to 65°C
Temperature Rating	PVC: -20°C to 65°C
Pressure Rating	0.8MPa or 1.0MPa
Dimensions	100mm × 100mm
Installation Type	Panel-mounted type (cutout size 95*95), integrated pipe type
Power Supply	24V DC, optional battery power supply
Output	4-20mA + Pulse + RS485
Power Consumption	2W
Enclosure Rating	IP65

MODEL CHART

Example	KF510-FA	-A	-32	-3	-AT	-1	-4	-1	
Series	KF510-FA								Flange Type Paddlewheel Flowmeter
Converter Type		A							Integrated Type
		B							Remote Type
Pipe Size			32						DN32, 1-1/4", Flow Range: 1 m³/h - 20 m³/h, Working Pressure: 0.8MPa, L x D x K x H=200x140x100x187, N-ΦA=4-Φ18
			40						DN40, 1-1/2", Flow Range: 2 m³/h - 24 m³/h, Working Pressure: 0.8MPa, L x D x K x H=200x150x110x192, N-ΦA=4-Φ18
			50						DN50, 2", Flow Range: 4 m³/h - 40 m³/h, Working Pressure: 0.8MPa, L x D x K x H=200x165x125x198.5, N-ΦA=4-Φ18
			65						DN65, 2-1/2", Flow Range: 6 m³/h - 60 m³/h, Working Pressure: 0.8MPa, L x D x K x H=200x185x145x205, N-ΦA=4-Φ18
			80						DN80, 3", Flow Range: 10 m³/h - 100 m³/h, Working Pressure: 0.8MPa, L x D x K x H=200x200x160x212, N-ΦA=8-Φ18
			100						DN100, 4", Flow Range: 15 m³/h - 150 m³/h, Working Pressure: 0.8MPa, L x D x K x H=250x220x180x222, N-ΦA=8-Φ18
			125						DN125, 5", Flow Range: 20 m³/h - 200 m³/h, Working Pressure: 0.8MPa, L x D x K x H=250x250x210x233, N-ΦA=8-Φ18
			150						DN150, 6", Flow Range: 40 m³/h - 400 m³/h, Working Pressure: 0.8MPa, L x D x K x H=300x285x240x247, N-ΦA=8-Φ18
			200						DN200, 8", Flow Range: 60 m³/h - 600 m³/h, Working Pressure: 0.8MPa, L x D x K x H=350x340x295x267, N-ΦA=8-Φ18
			250						DN250, 10", Flow Range: 100 m³/h - 1000 m³/h, Working Pressure: 0.8MPa, L x D x K x H=400x395x350x287, N-ΦA=12-Φ22
Process Connection				1					DIN Standard
				2					American Standard (ANSI)
				3					Japanese Standard (JIS)
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

The Series KF510-KP Glue Type Paddlewheel Flowmeter

From DN10 to DN50, easy to install and maintain



The Series KF510-KP Glue 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

- Glue type connection 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

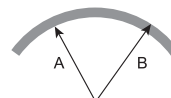
- Petrochemical Industry
- Metallurgical Industry
- Textile Industry
- Pharmaceutical Industry
- Semiconductor Industry
- Food and Beverage Industry
- Paper and Pulp
- Power Plants
- Urban Water Supply and Drainage
- Environmental Protection
- New Energy Industry
- Shipbuilding Industry

SPECIFICATIONS	
Wetted Materials	Body:PVC;Paddlewheel: PVDF, PTFE; Shaft: Ceramic; Seal Ring: FKM
Pipe Size	DN10- DN50
Flow Velocity Range	0.3m/s ~ 6m/s
Accuracy	±1.5%FS
Repeatability	±0.5%
Ambient Temperature	-20°C to 65°C
Temperature Rating	PVC:-20°C to 65°C
Pressure Rating	0.8MPa or 1.0MPa
Installation Type	Panel-mounted type (cutout size 95*95), integrated pipe type
Power Supply	24V DC, optional battery power supply
Output	4-20mA + Pulse + RS485
Power Consumption	2W
Enclosure Rating	IP65

MODEL CHART									
Example	KF510-KP	-A	-10	-1	-AT	-1	-1	-1	
Series	KF510-KP								Glue Type Paddlewheel Flowmeter
Converter Type		A							Integrated Type
		B							Remote Type
Pipe Size			10						DN10, 3/8", Flow Range: 0.1 m³/h - 1.8 m³/h, L=120mm, D=20mm, custom made
			15						DN15, 1/2", Flow Range: 0.2 m³/h - 4 m³/h, L=130mm, D=20mm, custom made
			20						DN20, 3/4", Flow Range: 0.3 m³/h - 6 m³/h, L=142mm, D=20mm
			25						DN25, 1", Flow Range: 0.5 m³/h - 12 m³/h, L=142mm, D=22mm
			40						DN40, 1-1/2", Flow Range: 2 m³/h - 24 m³/h, L=175mm, D=40mm
			50						DN50, 2", Flow Range: 4 m³/h - 40 m³/h, L=175mm, D=63mm, custom made
Process Connection				1					DIN Standard
				2					American Standard (ANSI)
				3					Japanese Standard (JIS)
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
Note	When adding a plastic socket union: for DN20:L=223; for DN25: L=239; for DN40: L=261								

The Series KF510-JH Saddle Type Paddlewheel Flowmeter

From DN10 to DN50, easy to install and maintain



The Series 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

SPECIFICATIONS	
Pipe Size	DN50 - DN250
Accuracy	±0.5% ~ ±1%
Ambient Temperature	-25°C to 55°C
Temperature Rating	PP: -20°C to 80°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

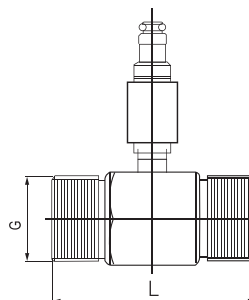
APPLICATIONS

- 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

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								xxxx	Provide dimensions for pipeline (outer diameter, inner diameter, wall thickness)

The Serise KF500-VA Threaded Type Turbine Flowmeter

From DN2 to DN50, easy to install and maintain



The Series KF500-VA Threaded Type Turbine Flowmeter is widely used in industries such as petroleum, chemicals, and natural gas, including crude oil transportation and gas trade settlement. It is suitable for fluids without solid impurities, such as water and light oil products, but not for highly viscous or particle-containing media. The metering accuracy can reach $\pm 0.5\%$ to $\pm 1\%$, making it commonly used in pipeline systems requiring precise flow monitoring, laboratory testing, etc. Its measurement principle relies on the fluid impacting the turbine blades, causing them to rotate at a speed proportional to the fluid velocity. As the blades rotate, they cut through the magnetic field of the magnetoelectric sensor, generating electrical pulse signals whose frequency correlates with the flow rate. By measuring the pulse frequency or accumulating the total number of pulses, both instantaneous and cumulative flow measurements are achieved.

FEATURES

- Threaded connection for convenient installation
- Intuitive measurement with linear correlation between rotational speed and flow rate
- High measurement accuracy
- Simple structure, easy maintenance, low maintenance cost
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APPLICATIONS

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- Environmental Protection
- New Energy Industry
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SPECIFICATIONS

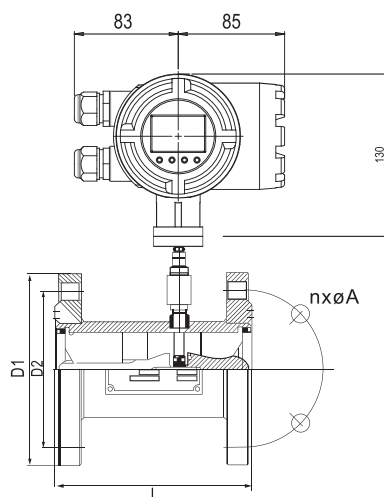
Pipe Size	DN2 - DN50
Wetted Materials	304 stainless steel, Optional 316 stainless steel
Accuracy	$\pm 0.5\%$ (DN2, DN3, and DN4 are $\pm 1\%$)
Ambient Temperature	-25°C to 55°C
Temperature Rating	-20°C to 100°C
Pressure Rating	1.6MPa
Process Connection	Thread connection
Power Supply	24V DC, optional battery-powered
Output	4~20mA, pulse
Enclosure Rating	IP65

MODEL CHART

Example	KF500-VA	-A	-1	-20	-IT	
Series	KF500-VA					Threaded Type Turbine Flowmeter
Converter Type		A				Integrated Type
		B				Remote Type
Process Connection			1			BSP Thread
			2			NPT Thread
Pipe Size				2		DN2, 1/4": 0.01m³/h-0.13m³/h, Pressure Loss: 0.12MPa, L=40mm, 0.5Kg(custom made)
				3		DN3, 1/4": 0.04m³/h-0.25m³/h, Pressure Loss: 0.12MPa, L=55mm, 0.7Kg(custom made)
				4		DN4, 1/2": 0.04m³/h-0.25m³/h, Pressure Loss: 0.08MPa, L=65mm, 0.5Kg
				6		DN6, 1/2": 0.1m³/h-0.6m³/h, Pressure Loss: 0.08MPa, L=65mm, 0.6Kg
				10		DN10, 1/2": 0.2m³/h-1.2m³/h, Pressure Loss: 0.05MPa, L=65mm, 0.7Kg
				15		DN15, 1": 0.4m³/h-4m³/h, Pressure Loss: 0.035MPa, L=75mm, 1Kg
				20		DN20, 1": 0.7m³/h-7m³/h, Pressure Loss: 0.035MPa, L=85mm, 1.2Kg
				25		DN25, 1-1/4": 1m³/h-10m³/h, Pressure Loss: 0.025MPa, L=100mm, 1.7Kg
				32		DN32, 1-1/2": 1.6m³/h-16m³/h, Pressure Loss: 0.025MPa, L=120mm, 2.2Kg
				40		DN40, 2": 2.5m³/h-25m³/h, Pressure Loss: 0.025MPa, L=140mm, 3Kg
Product Type				50		DN50, 2-1/2": 4m³/h-40m³/h, Pressure Loss: 0.025MPa, L=150mm, 4Kg
					PT	3-wire, 24V DC power supply, pulse output
					CT	2-wire, 24V DC power supply, 4-20mA output
					BT	Battery-powered, with displays of instantaneous and cumulative flow, no output signal
					IT	Smart type, with both 24V DC and 220V AC power supplies, with 4-20mA, pulse outputs, with displays of instantaneous and cumulative flow

The Serise KF500-FA Flange Type Turbine Flowmeter

From DN10 to DN200, easy to install and maintain



The Serise KF500-FA Flange Type Turbine Flowmeter is widely used in industries such as petroleum, chemicals, and natural gas, including crude oil transportation and gas trade settlement. It is suitable for fluids without solid impurities, such as water and light oil products, but not for highly viscous or particle-containing media. The metering accuracy can reach $\pm 0.5\%$ to $\pm 1\%$, making it commonly used in pipeline systems requiring precise flow monitoring, laboratory testing, etc. Its measurement principle relies on the fluid impacting the turbine blades, causing them to rotate at a speed proportional to the fluid velocity. As the blades rotate, they cut through the magnetic field of the magnetoelectric sensor, generating electrical pulse signals whose frequency correlates with the flow rate. By measuring the pulse frequency or accumulating the total number of pulses, both instantaneous and cumulative flow measurements are achieved.

FEATURES

- Flange connection 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

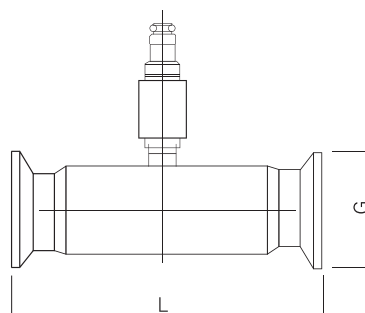
Pipe Size	DN10 - DN200
Wetted Materials	304 stainless steel, Optional 316 stainless steel
Accuracy	$\pm 0.5\%$
Ambient Temperature	-25°C to 55°C
Temperature Rating	-20°C to 100°C
Pressure Rating	1.6MPa
Process Connection	Flange connection
Power Supply	24V DC, optional battery-powered
Output	4-20mA + Pulse + RS485
Enclosure Rating	IP65

MODEL CHART

Example	KF500-FA-A	-1	-25	-CT	
Series	KF500-FA				Flange Type Turbine Flowmeter
Converter Type		A			Integrated Type
		B			Remote Type
Process Connection			1		DIN Standard
			2		American Standard (ANSI)
			3		Japanese Standard (JIS)
Pipe Size			10		DN10: 0.2 m³/h - 1.2 m³/h, Pressure Loss: 0.05MPa, D1 x D2 x L=90x60x60, n x ØA=4 x 14, 1.9Kg
			15		DN15: 0.4 m³/h - 4 m³/h, Pressure Loss: 0.035MPa, D1 x D2 x L=95x65x75, n x ØA=4 x 14, 2.0Kg
			20		DN20: 0.7 m³/h - 7 m³/h, Pressure Loss: 0.035MPa, D1 x D2 x L=105x75x75, n x ØA=4 x 14, 2.9Kg
			25		DN25: 1 m³/h - 10 m³/h, Pressure Loss: 0.025MPa, D1 x D2 x L=115x85x100, n x ØA=4 x 14, 3.7Kg
			32		DN32: 1.6 m³/h - 16 m³/h, Pressure Loss: 0.025MPa, D1 x D2 x L=140x100x120, n x ØA=4 x 18, 5Kg
			40		DN40: 2.5 m³/h - 25 m³/h, Pressure Loss: 0.025MPa, D1 x D2 x L=150x110x140, n x ØA=4 x 18, 7Kg
			50		DN50: 4 m³/h - 40 m³/h, Pressure Loss: 0.025MPa, D1 x D2 x L=165x125x150, n x ØA=4 x 18, 9Kg
			65		DN65: 6 m³/h - 60 m³/h, Pressure Loss: 0.025MPa, D1 x D2 x L=185x145x180, n x ØA=4x18, 11Kg
			80		DN80: 10 m³/h - 100 m³/h, Pressure Loss: 0.025MPa, D1 x D2 x L=200x160x200, n x ØA=8 x 18, 14Kg
			100		DN100: 20 m³/h - 160 m³/h, Pressure Loss: 0.025MPa, D1 x D2 x L=220x180x220, n x ØA=8 x 18, 21Kg
Product Type			150		DN150: 50 m³/h - 300 m³/h, Pressure Loss: 0.025MPa, D1 x D2 x L=285x240x300, n x ØA=8 x 22, 36Kg
			200		DN200: 100 m³/h - 600 m³/h, Pressure Loss: 0.025MPa, D1 x D2 x L=340x295x360, n x ØA=12 x 22, 57Kg
				PT	3-wire, 24V DC power supply, pulse output
				CT	2-wire, 24V DC power supply, 4-20mA output
				BT	Battery-powered, with displays of instantaneous and cumulative flow, no output signal
				IT	Smart type, with both 24V DC and 220V AC power supplies, with 4-20mA, pulse outputs, with displays of instantaneous and cumulative flow

The Serise KF500-KA Clamp Type Turbine Flowmeter

From DN10 to DN65, easy to install and maintain



The Series KF500-KA Clamp Type Turbine Flowmeter is widely used in applications requiring special cleanliness in industries such as food, beverage, and pharmaceuticals, petroleum. The metering accuracy can reach $\pm 0.5\%$, making it commonly used in pipeline systems requiring precise flow monitoring, laboratory testing, etc. Its measurement principle relies on the fluid impacting the turbine blades, causing them to rotate at a speed proportional to the fluid velocity. As the blades rotate, they cut through the magnetic field of the magnetoelectric sensor, generating electrical pulse signals whose frequency correlates with the flow rate. By measuring the pulse frequency or accumulating the total number of pulses, both instantaneous and cumulative flow measurements are achieved.

FEATURES

- Clamp type connection 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	DN10 - DN65
Wetted Materials	304 stainless steel, Optional 316 stainless steel
Accuracy	$\pm 0.5\%$
Ambient Temperature	-25°C to 55°C
Temperature Rating	-20°C to 100°C
Pressure Rating	1.6MPa
Process Connection	Clamp type connection
Power Supply	24V DC, optional battery-powered
Output	4~20mA, pulse
Enclosure Rating	IP65

MODEL CHART

Example	KF500-KA	-A	-J	-25	-IT	
Series	KF500-KA					Turbine Flowmeter
Converter Type		A				Integrated Type
		B				Remote Type
Process Connection			J			Clamp Type
Pipe Size				10		DN10, Flow Range: 0.2 m ³ /h - 1.2 m ³ /h, Max. Pressure Loss: 0.05MPa, G x L=51x100, 1Kg
				15		DN15, Flow Range: 0.4 m ³ /h - 4 m ³ /h, Max. Pressure Loss: 0.035MPa, G x L=51x100, 1.1Kg
				20		DN20, Flow Range: 0.7 m ³ /h - 7 m ³ /h, Max. Pressure Loss: 0.035MPa, G x L=51x100, 1.5Kg
				25		DN25, Flow Range: 1 m ³ /h - 10 m ³ /h, Max. Pressure Loss: 0.025MPa, G x L=51x100, 2Kg
				32		DN32, Flow Range: 1.6 m ³ /h - 16 m ³ /h, Max. Pressure Loss: 0.025MPa, G x L=64x140, 3.5Kg
				40		DN40, Flow Range: 2.5 m ³ /h - 25 m ³ /h, Max. Pressure Loss: 0.025MPa, G x L=64x140, 5Kg
				50		DN50, Flow Range: 4 m ³ /h - 40 m ³ /h, Max. Pressure Loss: 0.025MPa, G x L=77.5x150, 6.5Kg
				65		DN65, Flow Range: 6 m ³ /h - 60 m ³ /h, Max. Pressure Loss: 0.025MPa, G x L=91x182, 8Kg
Product Type					PT	3-wire, 24V DC power supply, pulse output
					CT	2-wire, 24V DC power supply, 4-20mA output
					BT	Battery-powered, with displays of instantaneous and cumulative flow, no output signal
					IT	Smart type, with both 24V DC and 220V AC power supplies, with 4-20mA, pulse outputs, with displays of instantaneous and cumulative flow