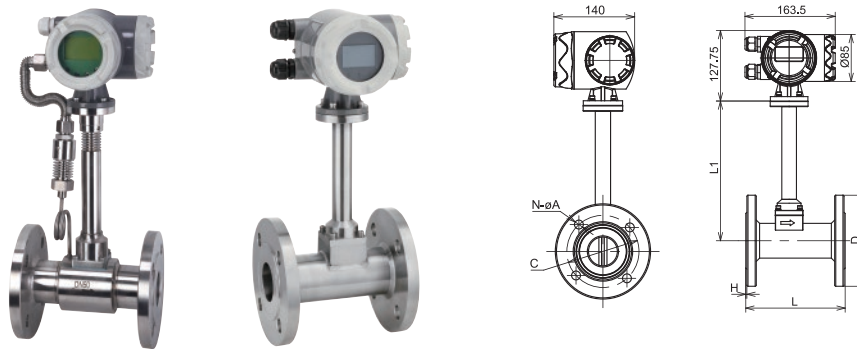


The Series KF300-FA Flanged Vortex Flowmeter

From DN15 to DN300, easy to install and maintain



The Series KF300-FA Flanged Vortex Flowmeter offers a wide measurement range, high precision, no moving parts, low maintenance costs, and a long service life. When fluid flows past the built-in shedder bar, alternating regular vortices are generated on either side. The vortex frequency is directly proportional to the fluid velocity, allowing flow rate calculation by detecting this frequency. Flanged vortex flowmeters are extensively used for measuring steam, air, water, and various gases/liquids in industrial pipelines. They primarily serve process control and metering applications in industries such as chemical, petroleum, power generation, and heating supply. These meters are ideal for scenarios demanding high accuracy and stability, including energy consumption monitoring and media flow ratio control.

FEATURES

- Flange connection, convenient installation
- No moving parts, stable and reliable measurement
- High measurement accuracy
- Convenient maintenance, low maintenance cost.
- Wide range of turndown ratio, used in many industrial applications

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

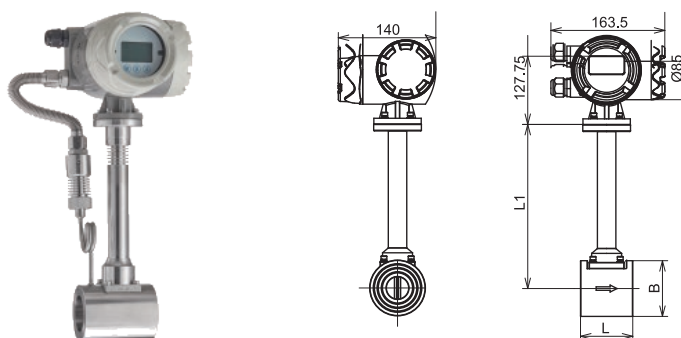
Pipe Size	DN15 - DN300
Accuracy	Liquid: ±1.0%RS, Gas: ±1.5%RS
Ambient Temperature	-20°C to 55°C
Temperature Rating	Room temperature type: -45°C to 100°C; Medium temperature type: -45°C to 250°C; High temperature type: -45°C to 330°C
Pressure Rating	1.0MPa - 4.0MPa (varies by model)
Process Connection	Flange connection
Power supply	24V DC, 3.6V DC
Output	Optional pulse, 4-20mA, RS485, Hart
Enclosure Rating	IP65

MODEL CHART

Example	KF300	-FA	-25	-L	-S1	-P0	-C4	-V1	-02	-V1	-T	
Series	KF300											Flanged Vortex Flowmeter
Process Connection		FA										Flange Connection
Pipe Size		15										DN15, Range: Liquid 0.3 m³/h - 5 m³/h, Gas 3 m³/h - 15 m³/h; L x L1 x D x C=180x233x95x65mm, N-ΦA=4-Φ14mm
		20										DN20, Range: Liquid 0.6 m³/h - 10 m³/h, Gas 6 m³/h - 30 m³/h; L x L1 x D x C=180x235x105x75mm, N-ΦA=4-Φ14mm
		25										DN25, Range: Liquid 1.2 m³/h - 16 m³/h, Gas 8 m³/h - 55 m³/h; L x L1 x D x C=180x238x115x85mm, N-ΦA=4-Φ14mm
		32										DN32, Range: Liquid 1.8 m³/h - 20 m³/h, Gas 10 m³/h - 120 m³/h; L x L1 x D x C=180x240x140x100mm, N-ΦA=4-Φ18mm
		40										DN40, Range: Liquid 2 m³/h - 40 m³/h, Gas 27 m³/h - 205 m³/h; L x L1 x D x C=180x145x150x110mm, N-ΦA=4-Φ18mm
		50										DN50, Range: Liquid 3 m³/h - 60 m³/h, Gas 35 m³/h - 380 m³/h; L x L1 x D x C=180x250x165x125mm, N-ΦA=4-Φ18mm
		65										DN65, Range: Liquid 4 m³/h - 85 m³/h, Gas 60 m³/h - 640 m³/h; L x L1 x D x C=200x258x185x145mm, N-ΦA=8-Φ18mm
		80										DN80, Range: Liquid 6.5 m³/h - 130 m³/h, Gas 86 m³/h - 1100 m³/h; L x L1 x D x C=200x265x200x160mm, N-ΦA=8-Φ18mm
		100										DN100, Range: Liquid 15 m³/h - 200 m³/h, Gas 133 m³/h - 1700 m³/h; L x L1 x D x C=200x275x220x180mm, N-ΦA=8-Φ18mm
		125										DN125, Range: Liquid 20 m³/h - 350 m³/h, Gas 150 m³/h - 2000 m³/h; L x L1 x D x C=220x288x250x210mm, N-ΦA=8-Φ18mm
		150										DN150, Range: Liquid 30 m³/h - 450 m³/h, Gas 347 m³/h - 4000 m³/h; L x L1 x D x C=220x300x285x240mm, N-ΦA=8-Φ22mm
Services				L								Liquid
				G								Gas
				S								Saturated steam
				H								Superheated steam
Wetted Material					S1							304 stainless steel
					S2							316 stainless steel
Pressure Rating						P0						PN10
						P1						PN16
						P2						PN25
						P3						PN40
Compensation type							C1					No compensation
							C2					Temperature compensation
							C3					Pressure compensation
							C4					Temperature and pressure compensation
Power Supply								V1				24V DC
								V2				3.6V DC
Output Signal									O1			Pulse frequency output
									O2			4 - 20mA
									O3			4 - 20mA + RS485 (cannot be used simultaneously)
Explosion-proof										N		None
										I		Intrinsically safe
										D		Flameproof
Others											T	Others

The Series KF300-JA Wafer Type Vortex Flowmeter

From DN15 to DN300, easy to install and maintain



The Series KF300-JA Wafer Type Vortex Flowmeter offers a wide measurement range, high precision, no moving parts, low maintenance costs, and a long service life. When fluid flows past the built-in shedder bar, alternating regular vortices are generated on either side. The vortex frequency is directly proportional to the fluid velocity, allowing flow rate calculation by detecting this frequency. Flanged vortex flowmeters are extensively used for measuring steam, air, water, and various gases/liquids in industrial pipelines. They primarily serve process control and metering applications in industries such as chemical, petroleum, power generation, and heating supply. These meters are ideal for scenarios demanding high accuracy and stability, including energy consumption monitoring and media flow ratio control.

FEATURES

- Wafer type connection, convenient installation
- No moving parts, stable and reliable measurement
- High measurement accuracy
- Convenient maintenance, low maintenance cost.
- Wide range of turndown ratio, used in many industrial applications

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	DN15 - DN300
Accuracy	Liquid: ±1.0%RS, Gas: ±1.5%RS
Ambient Temperature	-20°C to 55°C
Temperature Rating	Room temperature type: -45°C to 100°C; Medium temperature type: -45°C to 250°C; High temperature type: -45°C to 330°C
Pressure Rating	1.0MPa - 4.0MPa (varies by model)
Process Connection	Wafer type
Power supply	24V DC, 3.6V DC
Output	Optional pulse, 4-20mA, RS485, Hart
Enclosure Rating	IP65

MODEL CHART

Example	KF300	-JA	-25	-L	-S1	-P0	-C4	-V1	-02	-V1	-T	
Series	KF300											Wafer Type Vortex Flowmeter
Process Connection		JA										Wafer Type Connection
Pipe Size			15									DN15, Range: Liquid 0.3m³/h - 5 m³/h, Gas 3m³/h - 15 m³/h; L x L1 x B=65x263x86
			20									DN20, Range: Liquid 0.6m³/h - 10 m³/h, Gas 6m³/h - 30 m³/h; L x L1 x B=65x263x86
			25									DN25, Range: Liquid 1.2m³/h - 16 m³/h, Gas 8m³/h - 55 m³/h; L x L1 x B=65x263x86
			32									DN32, Range: Liquid 1.8m³/h - 20 m³/h, Gas 10m³/h - 120 m³/h; L x L1 x B=75x260x80
			40									DN40, Range: Liquid 2m³/h - 40 m³/h, Gas 27m³/h - 205 m³/h; L x L1 x B=75x262x84
			50									DN50, Range: Liquid 3m³/h - 60 m³/h, Gas 35m³/h - 380 m³/h; L x L1 x B=75x267x93
			65									DN65, Range: Liquid 4m³/h - 85 m³/h, Gas 60m³/h - 640 m³/h; L x L1 x B=75x274x107
			80									DN80, Range: Liquid 6.5m³/h - 130 m³/h, Gas 86m³/h - 1100 m³/h; L x L1 x B=75x279x118
			100									DN100, Range: Liquid 15m³/h - 200 m³/h, Gas 133m³/h - 1700 m³/h; L x L1 x B= 90 x 289 x 138
			125									DN125, Range: Liquid 20m³/h - 350 m³/h, Gas 150m³/h - 2000 m³/h; L x L1 x B= 100 x 302 x 163
			150									DN150, Range: Liquid 30m³/h - 450 m³/h, Gas 347m³/h - 4000 m³/h; L x L1 x B= 115 x 314 x 188
Services			200									DN200, Range: Liquid 45m³/h - 800 m³/h, Gas 560m³/h - 8000 m³/h; L x L1 x B= 135 x 339 x 238
			250									DN250, Range: Liquid 65m³/h - 1250 m³/h, Gas 890m³/h - 11000 m³/h; L x L1 x B= 150 x 364 x 288
			300									DN300, Range: Liquid 95m³/h - 2000 m³/h, Gas 1360m³/h - 18000 m³/h; L x L1 x B= 165 x 389 x 338
				L								Liquid
Wetted Material				G								Gas
				S								Saturated steam
				H								Superheated steam
				S1								304 stainless steel
Pressure Rating				S2								316 stainless steel
					P0							PN10
					P1							PN16
					P2							PN25
Compensation type					P3							PN40
					C1							No compensation
					C2							Temperature compensation
					C3							Pressure compensation
Power Supply					C4							Temperature and pressure compensation
						V1						24V DC
						V2						3.6V DC
Output Signal										O1		Pulse frequency output
										O2		4 - 20mA
										O3		4 - 20mA + RS485 (cannot be used simultaneously)
Explosion-proof										N		None
										I		Intrinsically safe
										D		Flameproof
Others										T		Others

The Series KF800 Metal Tube Rotameter

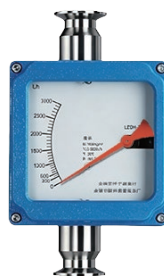
Multiple installation and indication options for versatile applications.



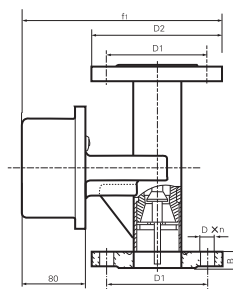
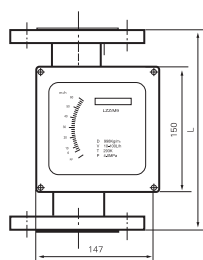
M8 Indicator



M10 Indicator



M9 Indicator



The Series KF800 Metal Tube Rotameter is a variable area flow measurement instrument commonly used in industrial automation process control. It is suitable for measuring various flow rates of liquids and gases. The LZDX model flowmeter's intelligent transmitter, centered on an MCU microprocessor, utilizes magnetic sensors along with digital signal processing techniques such as digital filtering and software correction to detect magnetic field changes. Featuring a liquid crystal display screen, it provides an excellent human-machine interface, can output 4-20mA current signals, and offers upper/lower limit alarm functions. It displays both instantaneous and cumulative flow, and battery operation (M8 indicator) ensures user convenience. Widely applied in flow detection and process control across industries like chemical, metallurgy, pharmaceutical, and water treatment.

FEATURES

- Wide measurement range
- Intuitive and clear readings
- Optional alarm switch output
- Ideal for applications with vibration
- Low pressure loss, high reliability
- Applicable to various media with extensive compatibility

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 (mm)	Flow Rate Range			Pressure Loss (KPa)			
	Liquid L/h		Air m³/h Standard/ Anti-corrosion Type	Orifice Plate Type		Tapered Tube Type	
	Standard Type	Anti-corrosion Type		Water	Air	Water	Air
15	2.5~25	--	0.07~0.7	5.5	7.1	2.1	2.6
	4.0~40	2.5~25	0.11~1.1	5.5	7.2	2.1	2.6
	6.3~63	4.0~40	0.18~1.8	5.5	7.3	2.1	2.6
	10~100	6.3~63	0.28~2.8	5.6	7.5	2.1	2.6
	16~160	10~100	0.48~4.8	5.6	8.0	2.1	2.6
	25~250	16~160	0.7~7.0	5.8	10.8	2.1	2.6
	40~400	25~250	1.0~10.0	6.1	10.0	2.1	2.8
25	63~630	40~400	1.6~16.0	7.3	14.0	2.2	3.2
	100~1000	63~630	1.6~16	5.7	7.2	2.4	3.2
	160~1600	100~1000	3~30	5.9	7.7	2.4	3.3
	250~2500	160~1600	4.5~45	6.0	8.8	2.5	3.4
	400~4000	250~2500	7~70	6.8	12.0	2.6	3.8
		250~2500	11~110	9.2	19.0	3.0	4.5
50	630~6300	400~4000	18~180	6.8	8.6	3.3	7.4
	1000~10000	630~6300	25~250	9.4	10.4	3.8	7.7
	1600~16000	1000~10000	40~400	14.5	15.5	4.3	8.4
80	2500~25000	1600~16000	70~700	6.9	12.9	3.6	6.8
	4000~40000	2500~25000	100~1000	8.0	18.5	4.6	8.9
100	6300~63000	4000~40000	160~1600	8.5	19.2	5.8	12.0
	10000~100000	6300~63000	250~2500	8.8	19.6	6.4	12.8
125	12000~120000	--	--	9.0	20.3	7.0	13.5
150	15000~150000	--	--	9.2	20.8	7.1	13.8

*For other pipe sizes (DN20, DN32, DN40, DN65), consult factory.

The Series KF800 Metal Tube Rotameter

Multiple installation and indication options for versatile applications.

MODEL CHART										
Example	KF800	-ZH	-DN15	-RR1	-FA	-M7	-D2	-Kx	-DT	-T
Serial	KF800									Metal Tube Rotameter
Function		ZH								Local pointer indication of instantaneous flow rate
		DH								Local pointer indication of instantaneous flow rate and 4-20mA output
		DX								Local LCD indication of instantaneous and cumulative flow rates and 4-20mA output
Pipe Size			DN15							DN15, ranges available for gas or liquid, LxBxD1xD2xf1 = 250x14x65x95x208
			DN25							DN25, ranges available for gas or liquid, LxBxD1xD2xf1 = 250x18x85x115x218
			DN50							DN50, ranges available for gas or liquid, LxBxD1xD2xf1 = 250x22x125x165x240
			DN80							DN80, ranges available for gas or liquid, LxBxD1xD2xf1 = 250x24x160x200x258
			DN100							DN100, ranges available for gas or liquid, LxBxD1xD2xf1 = 250x26x180x220x268
			DN150							DN150, ranges available for liquid, LxBxD1xD2xf1 = 250x28x240x285x300
Material				RR1						304 Stainless Steel
				RR2						316L Stainless Steel
				RR0						316 Stainless Steel
				F						PTFE-lined 304 Stainless Steel
Connection					FA1					DIN Standard PN10
					FA2					DIN Standard PN16
					FA3					DIN Standard PN25
					FA4					DIN Standard PN40
					FA5					American Standard (ANSI) 150
					FA6					Japanese Standard (JIS) 10K
					VA7					BSP thread (Female)
					VA8					NPT thread (Female)
					KA9					Clamp connection
					OT10					Other connection methods
Indicator Type						M7				M7 indicator, aluminum alloy
						M8				M8 indicator, flameproof type
						M9				M9 indicator, aluminum alloy
						M10				M10 indicator, aluminum alloy
Power Supply							D1			24V power supply
							D2			Battery-powered
							N			None
Alarm Method								N		No alarm
								Ks		High limit alarm
								Kx		Low limit alarm
Flow Method									DT	Bottom inlet, top outlet
									RL	Horizontal, right inlet, left outlet
									LR	Horizontal, left inlet, right outlet
									HH	Bottom horizontal inlet, top horizontal outlet
									DH	Bottom inlet, top horizontal outlet
Insulation Method										T With insulation jacket
										N Without insulation
Note	Customizable pipe size: DN20, DN32, DN40, DN65									