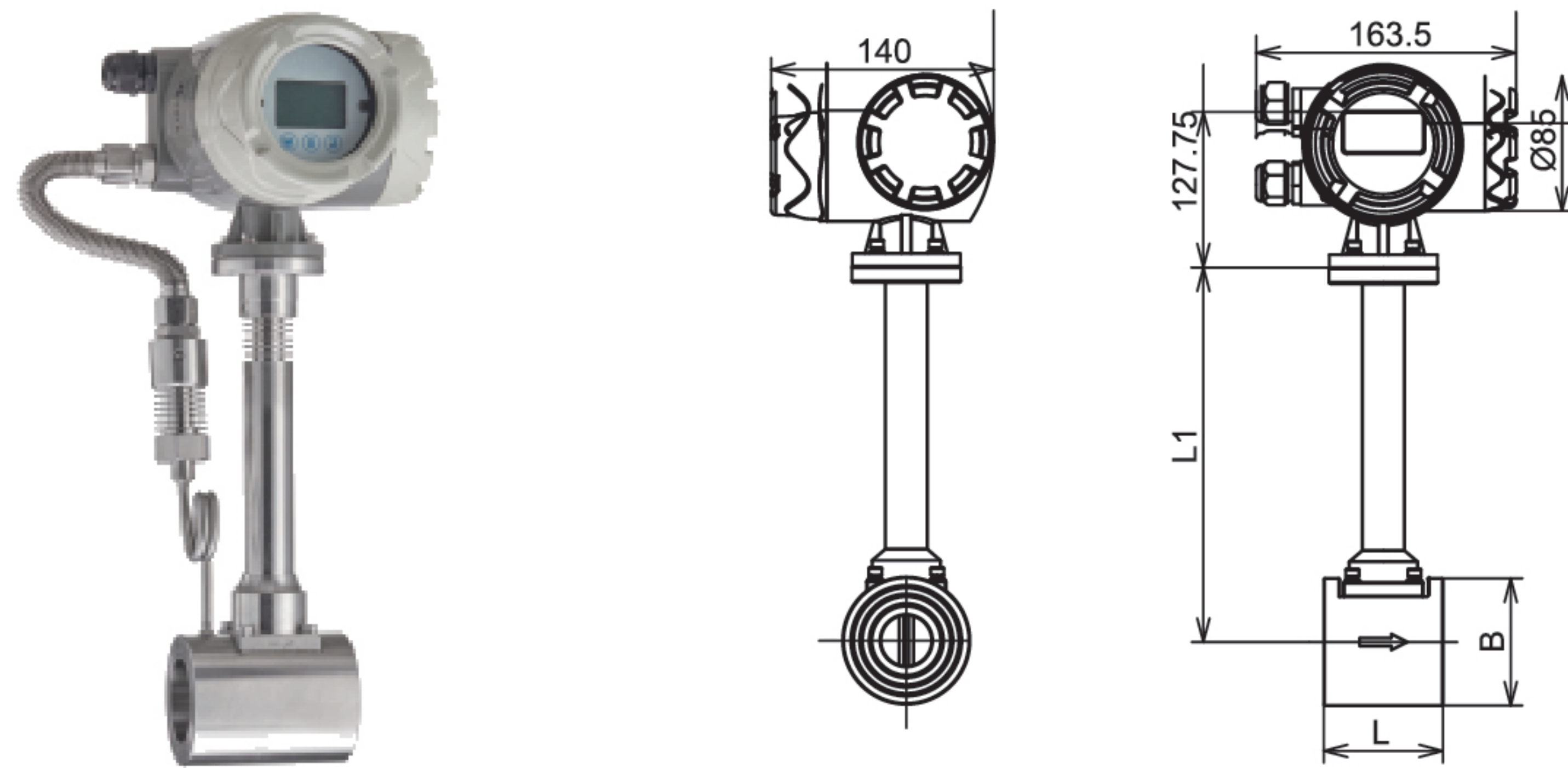


The Series KF300-JA Wafer Type Vortex Flowmeter

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 | ±1.0%RS, ±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 |
| | | | 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 | |
| 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 | |