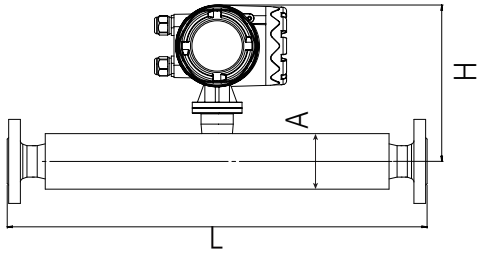
NINGBO KIO FLOW INSTRUMENTS CO., LTD

FLOWTECH®

# The Series KF900S-FA Coriolis Mass Flowmeter

Pipe sizes from 15 to 100 mm, straight pipe design with flange connections, explosion-proof




**The Series KF900S-FA Coriolis Mass Flowmeters** employ advanced DSP digital signal processing and fully digital drive technology, significantly enhancing flow stability. The display features a large OLED screen for smoother, clearer visuals that remain stable even at low temperatures. The instrument supports real-time self-diagnosis, monitoring various issues and providing alarms. Additionally, it includes multiple signal interfaces such as current, pulse, and RS485, along with various functional options to accommodate different working conditions. A capacitive button design allows convenient operation without needing to open the converter's cover.

## FEATURES

- ·High accuracy, 0.1% of reading
- ·Straight tube design, no residue in liquid, easy to clean
- ·Integral welding structure, sturdy and durable
- ·Explosion-proof Ex d IIC T6 Gb
- ·Accurate measurement even when the medium contains gases
- ·Fast and comprehensive digital signal processing
- ·High-precision density measurement
- ·No crosstalk: unaffected by installation and process conditions

## APPLICATIONS

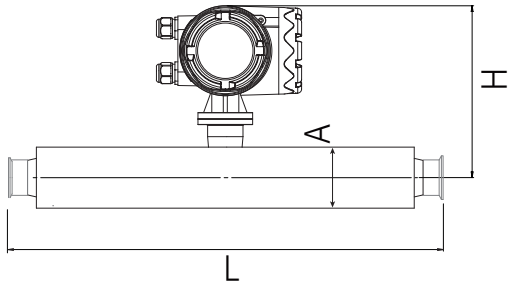
- ·Petrochemical Industry
- ·Metallurgical Industry
- ·Textile Industry
- ·Pharmaceutical Industry
- ·Semiconductor Industry
- ·Food and Beverage Industry
- ·Papermaking and Pulp
- ·Power Plants
- ·Urban Water Supply and Drainage
- ·Environmental Protection
- ·New Energy Industry
- ·Shipbuilding Industry

| SPECIFICATIONS | |
|---|---|
| **Service** | Liquids, including highly viscous media, non-homogeneous mixtures, and media with solid content or entrained gas |
| **Pipe Size** | 15mm - 100mm |
| **Material** | 316L |
| **Accuracy** | ±0.1%, ±0.15%, ±0.2%, ±0.3%RD within the range |
| **Temperature Rating** | -50℃ to 100℃ for integral display; -50℃ to 125℃ for integral display high-temperature option; -150℃ to 250℃ for remote display |
| **Pressure Rating** | PN40, optional PN63 |
| **Enclosure Rating** | IP67, optional IP68 (remote) |
| **Output** | 4-20mA + pulse |
| **Communication** | HART or RS-485 |
| **Display** | OLED, Size 58mm x 29mm |
| **Display Units** | Mass flow: kg/s, kg/m, kg/h, t/s, t/m, t/h; mass totalizer flow: kg, t; volume flow: L/s, L/m, L/h, m³/s, m³/m, m³/h; volume totalizer flow: L, m³; density: g/cm³, g/L, kg/L, kg/m³ |
| **Power Supply** | 18-265V AC or 18-36V DC |
| **Process Connection** | DIN Flange, ANSI flange, JIS Flange |
| **Explosion Rating** | Ex d IIC T6 Gb |
| **Converter Size** | 181.5mm x 171mm x 141mm |
| **Converter Weight** | 1.35 Kg |

| Model Chart | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Example** | **KF900S-FA** | **-15** | **-A1** | **-DIN** | **-H** | **-10** | **-EXP** | |
| **Series** | KF900S-FA | | | | | | | Coriolis Mass Flowmeters |
| **Pipe Size** | | 15 | | | | | | DN15, range: 300 kg/h to 3000 kg/h, zero stability: 0.20 kg/h, L x A x H = 498x76x202mm |
| | | 25 | | | | | | DN25, range: 1500 kg/h to 15000 kg/h, zero stability: 1.25 kg/h, L x A x H = 531x89x214mm |
| | | 40 | | | | | | DN40, range: 3500 kg/h to 35000 kg/h, zero stability: 3.00 kg/h, L x A x H = 620x114x226mm |
| | | 50 | | | | | | DN50, range: 5000 kg/h to 50000 kg/h, zero stability: 4.00 kg/h, L x A x H = 712x133x236mm |
| | | 80 | | | | | | DN80, range: 15000 kg/h to 150000 kg/h, zero stability: 12.5 kg/h, L x A x H = 880x168x254mm |
| | | 100 | | | | | | DN80, range: 15000 kg/h to 150000 kg/h, zero stability: 12.5 kg/h, L x A x H = 880x168x254mm |
| **Converter Type** | | | A1 | | | | | Integral display (-50℃ to 100℃) |
| | | | A2 | | | | | Integral display with high-temperature rating (-50℃ to 125℃) |
| | | | B2 | | | | | Remote display (-150℃ to 250℃) |
| **Process Connection** | | | | DIN | | | | DIN Flange |
| | | | | ANSI | | | | ANSI Flange |
| | | | | JIS | | | | JIS Flange |
| **Output** | | | | | R | | | 4-20mA + Pulse + RS485 |
| | | | | | H | | | 4-20mA + Pulse + HART |
| **Accuracy** | | | | | | 10 | | 0.1% Reading of the Range |
| | | | | | | 15 | | 0.15% Reading of the Range |
| | | | | | | 20 | | 0.2% Reading of the Range |
| | | | | | | 30 | | 0.3% Reading of the Range |
| **Options** | | | | | | | EXP | Explosion Proof, Ex d IIC T5 Gb |
| | | | | | | | HP | High pressure rating to PN63 |
| | | | | | | | LF | Low flow measurement, please consult the factory |
| | | | | | | | IP68 | IP68 (Remote only) |

# The Series KF900S-KA Sanitary Coriolis Mass Flowmeter

Pipe sizes from 15 to 50 mm, straight pipe design with Tri-clamp connections, explosion-proof




**The Series KF900S-KA Sanitary Coriolis Mass Flowmeters** utilize advanced DSP digital signal processing and fully digital drive technology, greatly improving flow stability. They feature a large OLED display for clearer, more stable visuals even at low temperatures. The instrument supports real-time self-diagnosis, monitoring various issues and issuing alarms. It also includes multiple signal outputs include current, pulse, and RS485, with various functional options to suit different working conditions. A capacitive button design allows for easy operation without needing to open the converter's cover. These flowmeters are ideally suited for the food, pharmaceutical, and chemical industries.

## FEATURES

- ·High accuracy, 0.1% of reading
- ·Sanitary Tri-clamp Connection
- ·Straight tube design, no residue in liquid, easy to clean
- ·Integral welding structure, sturdy and durable
- ·Explosion-proof Ex d IIC T6 Gb
- ·Accurate measurement even when the medium contains gases
- ·Fast and comprehensive digital signal processing
- ·High-precision density measurement
- ·No crosstalk: unaffected by installation and process conditions

## APPLICATIONS

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

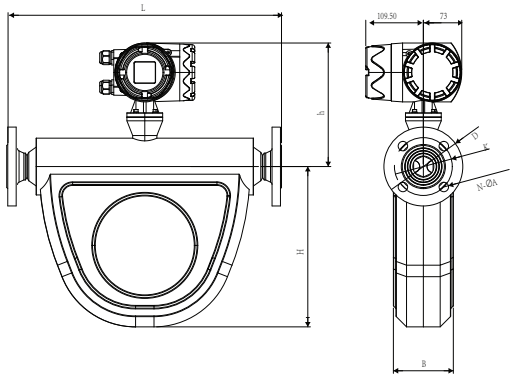
| SPECIFICATIONS | |
|---|---|
| **Service** | Liquids, including highly viscous media, non-homogeneous mixtures, and media with solid content or entrained gas |
| **Pipe Size** | 15mm to 50mm |
| **Material** | 316L |
| **Accuracy** | ±0.1%, ±0.15%, ±0.2%, ±0.3%RD within the range |
| **Temperature Rating** | -50℃ to 100℃ for integral display; -50℃ to 125℃ for integral display high-temperature option; -150℃ to 250℃ for remote display |
| **Pressure Rating** | PN40 |
| **Enclosure Rating** | IP67, optional IP68 (remote) |
| **Output** | 4-20mA + pulse |
| **Communication** | HART or RS-485 |
| **Display** | OLED, Size 58mm x 29mm |
| **Display Units** | Mass flow: kg/s, kg/m, kg/h, t/s, t/m, t/h; mass totalizer flow: kg, t; volume flow: L/s, L/m, L/h, m³/s, m³/m, m³/h; volume totalizer flow: L, m³; density: g/cm³, g/L, kg/L, kg/m³ |
| **Power Supply** | 18-265V AC or 18-36V DC |
| **Process Connection** | ISO2852 Clamp, BS4825 Clam |
| **Explosion Rating** | Ex d IIC T6 Gb |
| **Converter Size** | 181.5mm x 171mm x 141mm |
| **Converter Weight** | 1.35 Kg |

**Model Chart**

| Example | KF900S-KA | -15 | -A1 | -ISO | -H | -10 | -EXP | |
|---|---|---|---|---|---|---|---|---|
| **Series** | KF900S-KA | | | | | | | Sanitary Coriolis Mass Flowmeters |
| **Pipe Size** | | 15 | | | | | | DN15, range: 300 kg/h to 3000 kg/h, zero stability: 0.20 kg/h, L x A x H = 498x76x202mm |
| | | 25 | | | | | | DN25, range: 1500 kg/h to 15000 kg/h, zero stability: 1.25 kg/h, L x A x H = 531x89x214mm |
| | | 40 | | | | | | DN40, range: 3500 kg/h to 35000 kg/h, zero stability: 3.00 kg/h, L x A x H = 620x114x226mm |
| | | 50 | | | | | | DN50, range: 5000 kg/h to 50000 kg/h, zero stability: 4.00 kg/h, L x A x H = 712x133x236mm |
| **Converter Type** | | | A1 | | | | | Integral display (-50℃ to 100℃) |
| | | | A2 | | | | | Integral display with high-temperature rating (-50℃ to 125℃) |
| | | | B2 | | | | | Remote display (-150℃ to 250℃) |
| **Process Connection** | | | | ISO | | | | ISO2852 Clamp |
| | | | | BS | | | | BS4825 Clamp |
| **Output** | | | | | R | | | 4-20mA + Pulse + RS485 |
| | | | | | H | | | 4-20mA + Pulse + HART |
| **Accuracy** | | | | | | 10 | | 0.1% Reading of the Range |
| | | | | | | 15 | | 0.15% Reading of the Range |
| | | | | | | 20 | | 0.2% Reading of the Range |
| | | | | | | 30 | | 0.3% Reading of the Range |
| **Options** | | | | | | | EXP | Explosion Proof, Ex d IIC T5 Gb |
| | | | | | | | LF | Low flow measurement, please consult the factory |
| | | | | | | | IP68 | IP68 (Remote only) |

# The Series KF900U-FA Coriolis Mass Flowmeters

Pipe sizes from 15 to 50 mm, U-tube design with flange connections, explosion-proof




**The Series KF900U-FA Coriolis Mass Flowmeters** employ advanced DSP digital signal processing and fully digital drive technology, significantly enhancing flow stability. The display features a large OLED screen for smoother, clearer visuals that remain stable even at low temperatures. The instrument supports real-time self-diagnosis, monitoring various issues and providing alarms. Additionally, it includes multiple signal interfaces such as current, pulse, and RS485, along with various functional options to accommodate different working conditions. A capacitive button design allows convenient operation without needing to open the converter's cover. It boasts an exceptionally wide range ratio, enhanced precision, and superior stability

## FEATURES

·High accuracy, 0.1% of reading
·U-tube design, high range ratio, good stability
·Integral welding structure, sturdy and durable
·Explosion-proof Ex d IIC T6 Gb
·Accurate measurement even when the medium contains gases
·Fast and comprehensive digital signal processing
·High-precision density measurement
·No crosstalk: unaffected by installation and process conditions

## APPLICATIONS

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

## SPECIFICATIONS

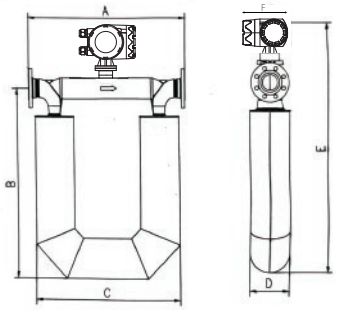
| | |
|---|---|
| **Service** | Liquids, including highly viscous media, non-homogeneous mixtures, and media with solid content or entrained gas |
| **Pipe Size** | 15mm to 50mm |
| **Material** | 316L |
| **Accuracy** | ±0.1%, ±0.15%, ±0.2%, ±0.3%RD within the range |
| **Temperature Rating** | -50℃ to 100℃ for integral display; -50℃ to 125℃ for integral display high-temperature option; -150℃ to 250℃ for remote display |
| **Pressure Rating** | PN40, optional PN63 |
| **Enclosure Rating** | IP67, optional IP68 (remote) |
| **Output** | 4-20mA + pulse |
| **Communication** | HART or RS-485 |
| **Display** | OLED, Size 58mm x 29mm |
| **Display Units** | Mass flow: kg/s, kg/m, kg/h, t/s, t/m, t/h; mass totalizer flow: kg, t; volume flow: L/s, L/m, L/h, m³/s, m³/m, m³/h; volume totalizer flow: L, m³; density: g/cm³, g/L, kg/L, kg/m³ |
| **Power Supply** | 18-265V AC or 18-36V DC |
| **Process Connection** | DIN Flange, ANSI flange, JIS Flange |
| **Explosion Rating** | Ex d IIC T6 Gb |
| **Converter Size** | 181.5mm x 171mm x 141mm |
| **Converter Weight** | 1.35 Kg |

## MODEL CHART

| Example | KF900U-FA | -15 | -A1 | -DIN | -R | -10 | -EXP | |
|---|---|---|---|---|---|---|---|---|
| **Series** | KF900U-FA | | | | | | | Coriolis Mass Flowmeters |
| **Pipe Size** | | 15 | | | | | | DN15, range: 300 kg/h to 3000 kg/h, zero stability: 0.25 kg/h, L x D x K x B x H x h x N-ΦA = 304x95x65x80x190x202mm x 4-Φ14 |
| | | 25 | | | | | | DN25, range: 1500 kg/h to 15000 kg/h, zero stability: 0.75 kg/h, L x D x K x B x H x h x N-ΦA = 420x115x85x90x230x214mm x 4-Φ14 |
| | | 40 | | | | | | DN40, range: 3500 kg/h to 35000 kg/h, zero stability: 3.00 kg/h, L x D x K x B x H x h x N-ΦA = 520x150x110x103x303x226mm x 4-Φ18 |
| | | 50 | | | | | | DN50, range: 3500 kg/h to 35000 kg/h, zero stability: 3.20 kg/h, L x D x K x B x H x h x N-ΦA = 532x165x125x103x303x226mm x 4-Φ18 |
| **Converter Type** | | | A1 | | | | | Integral display (-50℃ to 100℃) |
| | | | A2 | | | | | Integral display with high-temperature rating (-50℃ to 125℃) |
| | | | B2 | | | | | Remote display (-150℃ to 250℃) |
| **Process Connection** | | | | DIN | | | | DIN Flange |
| | | | | ANSI | | | | ANSI Flange |
| | | | | JIS | | | | JIS Flange |
| **Output** | | | | | R | | | 4-20mA + Pulse + RS485 |
| | | | | | H | | | 4-20mA + Pulse + HART |
| **Accuracy** | | | | | | 10 | | 0.1% Reading of the Range |
| | | | | | | 15 | | 0.15% Reading of the Range |
| | | | | | | 20 | | 0.2% Reading of the Range |
| | | | | | | 30 | | 0.3% Reading of the Range |
| **Options** | | | | | | | EXP | Explosion Proof, Ex d IIC T5 Gb |
| | | | | | | | HP | High pressure rating to PN63 |
| | | | | | | | LF | Low flow measurement, please consult the factory |
| | | | | | | | IP68 | IP68 (Remote only) |

# The Series KF900D-FA Coriolis Mass Flowmeters

Pipe sizes from 50 to 350 mm, U-tube design with flange connections, explosion-proof




**The Series KF900D-FA Coriolis Mass Flowmeters** employ advanced DSP digital signal processing and fully digital drive technology, significantly enhancing flow stability. The display features a large OLED screen for smoother, clearer visuals that remain stable even at low temperatures. The instrument supports real-time self-diagnosis, monitoring various issues and providing alarms. Additionally, it includes multiple signal interfaces such as current, pulse, and RS485, along with various functional options to accommodate different working conditions. A capacitive button design allows convenient operation without needing to open the converter's cover. It boasts an exceptionally wide range ratio, enhanced precision, and superior stability

## FEATURES

- ·High accuracy, 0.1% of reading
- ·U-tube design, high range ratio, good stability
- ·Integral welding structure, sturdy and durable
- ·Explosion-proof Ex d IIC T6 Gb
- ·Accurate measurement even when the medium contains gases
- ·Fast and comprehensive digital signal processing
- ·High-precision density measurement
- · No crosstalk: unaffected by installation and process conditions

## SPECIFICATIONS

| | |
|---|---|
| **Service** | Liquids, including highly viscous media, non-homogeneous mixtures, and media with solid content or entrained gas |
| **Pipe Size** | 50mm to 350mm |
| **Material** | 316L |
| **Accuracy** | ±0.1%, ±0.15%, ±0.2%, ±0.3%RD within the range |
| **Temperature Rating** | -50℃ to 100℃ for integral display; -50℃ to 125℃ for integral display high-temperature option; -150℃ to 250℃ for remote display |
| **Pressure Rating** | PN40, optional PN63 |
| **Enclosure Rating** | IP67, optional IP68 (remote) |
| **Output** | 4-20mA + pulse |
| **Communication** | HART or RS-485 |
| **Display** | OLED, Size 58mm x 29mm |
| **Display Units** | Mass flow: kg/s, kg/m, kg/h, t/s, t/m, t/h; mass totalizer flow: kg, t; volume flow: L/s, L/m, L/h, m³/s, m³/m, m³/h; volume totalizer flow: L, m³; density: g/cm³, g/L, kg/L, kg/m³ |
| **Power Supply** | 18-265V AC or 18-36V DC |
| **Process Connection** | DIN Flange, ANSI flange, JIS Flange |
| **Explosion Rating** | Ex d IIC T6 Gb |
| **Converter Size** | 181.5mm x 171mm x 141mm |
| **Converter Weight** | 1.35 Kg |

## APPLICATIONS

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

## MODEL CHART

| Example | KF900D-FA | -65 | -A1 | -DIN | -H | -10 | -EXP | |
|---|---|---|---|---|---|---|---|---|
| **Series** | KF900D-FA | | | | | | | Coriolis Mass Flowmeters |
| **Pipe Size** | | 50 | | | | | | DN50, Maximum flow: 46000kg/h, zero stability: 0.81kg/h; A x B x C x D x E x F = 485x494x385x110x815x174mm |
| | | 65 | | | | | | DN65, Maximum flow: 75000kg/h, zero stability: 1.31kg/h; A x B x C x D x E x F = 576x696x496x140x1025x174mm |
| | | 80 | | | | | | DN80, Maximum flow: 136000kg/h, zero stability: 2.4kg/h; A x B x C x D x E x F = 702x777x610x170x1123x174mm |
| | | 100 | | | | | | DN100, Maximum flow: 22000kg/h, zero stability: 3.88kg/h; A x B x C x D x E x F = 865x976x768x208x1284x174mm |
| | | 150 | | | | | | DN150, Maximum flow: 403000kg/h, zero stability: 7.25kg/h; A x B x C x D x E x F = 892x961x751x234x1282x174mm |
| | | 200 | | | | | | DN200, Maximum flow: 652000kg/h, zero stability: 11.55kg/h; A x B x C x D x E x F = 1030x1075x840x280x1424x174mm |
| | | 250 | | | | | | DN250, Maximum flow: 1550000kg/h, zero stability: 23.75kg/h; A x B x C x D x E x F = 1130x1264x826x325x1640x174mm |
| | | 300 | | | | | | DN300, Maximum flow: 2500000kg/h, zero stability: 40kg/h; A x B x C x D x E x F = 1130x1374x884x397x1763x174mm |
| | | 350 | | | | | | DN350, Maximum flow: 3266000kg/h, zero stability: 59.5kg/h; A x B x C x D x E x F = 1270x1694x830x452x2100x174mm |
| **Converter Type** | | | A1 | | | | | Integral display (-50℃ - 100℃) |
| | | | A2 | | | | | Integral display with high-temperature rating (-50℃ - 125℃) |
| | | | B2 | | | | | Remote display (-150℃ - 250℃) |
| **Process Connection** | | | | DIN | | | | DIN Flange |
| | | | | ANS | | | | ANSI Flange |
| | | | | JIS | | | | JIS Flange |
| **Output** | | | | | R | | | 4-20mA + Pulse + RS485 |
| | | | | | H | | | 4-20mA + Pulse + HART |
| **Accuracy** | | | | | | 10 | | 0.1% Reading of the Range |
| | | | | | | 15 | | 0.15% Reading of the Range |
| | | | | | | 20 | | 0.2% Reading of the Range |
| | | | | | | 30 | | 0.3% Reading of the Range |
| **Options** | | | | | | | EXP | Explosion Proof, Ex d IIC T5 Gb |
| | | | | | | | HP | High pressure rating to PN63 |
| | | | | | | | LF | Low flow measurement, please consult the factory |
| | | | | | | | IP68 | IP68 (Remote only) |

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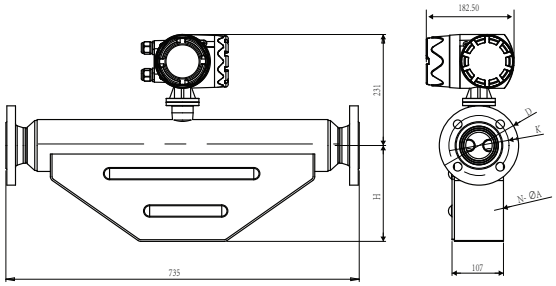
# The Series KF900V-FA Coriolis Mass Flowmeters

Pipe sizes from 15 to 50 mm, V-tube design with flange connections, explosion-proof

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## FEATURES

- ·High accuracy, 0.1% of reading
- ·V-tube design, compact size, lightweight
- ·Integral welding structure, sturdy and durable
- ·Explosion-proof Ex d IIC T6 Gb
- ·Accurate measurement even when the medium contains gases
- ·Fast and comprehensive digital signal processing
- ·High-precision density measurement
- ·No crosstalk: unaffected by installation and process conditions

## APPLICATIONS

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

## SPECIFICATIONS

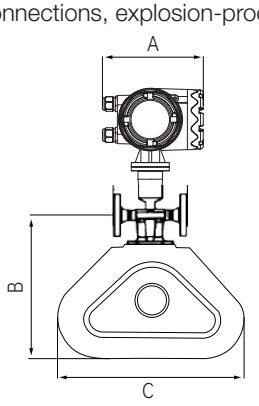
| | |
|---|---|
| **Service** | Liquids, including highly viscous media, non-homogeneous mixtures, and media with solid content or entrained gas |
| **Pipe Size** | 15mm to 50mm |
| **Material** | 316L |
| **Accuracy** | ±0.1%, ±0.15%, ±0.2%, ±0.3%RD within the range |
| **Temperature Limit** | -50℃ to 100℃ for integral display; -50℃ to 125℃ for integral display high-temperature option; -150℃to 250℃ for remote display |
| **Pressure Rating** | PN40, optional PN63 |
| **Enclosure Rating** | IP67, optional IP68 (remote) |
| **Output** | 4-20mA + pulse |
| **Communication** | HART or RS-485 |
| **Display** | OLED, Size 58mm x 29mm |
| **Display Units** | Mass flow: kg/s, kg/m, kg/h, t/s, t/m, t/h; mass totalizer flow: kg, t; volume flow: L/s, L/m, L/h, m³/s, m³/m, m³/h; volume totalizer flow: L, m³; density: g/cm³, g/L, kg/L, kg/m³ |
| **Power Supply** | 18-265V AC or 18-36V DC |
| **Process Connection** | DIN Flange, ANSI flange, JIS Flange |
| **Explosion Rating** | Ex d IIC T6 Gb |
| **Converter Size** | 181.5mm x 171mm x 141mm |
| **Converter Weight** | 1.35 Kg |

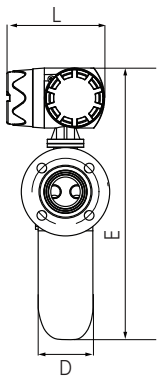
## MODEL CHART

| Example | KF900V-FA | -15 | -A1 | -DIN | -H | -10 | -EXP | |
|---|---|---|---|---|---|---|---|---|
| **Series** | KF900V-FA | | | | | | | Coriolis Mass Flowmeters |
| **Pipe Size** | | 15 | | | | | | DN15, range: 300 kg/h to 3000 kg/h, zero stability: 0.25 kg/h, L x D x K x B x H x N-ΦA = 304x95x65x80x202mm x 4-Φ14 |
| | | 25 | | | | | | DN25, range: 1500 kg/h to 15000 kg/h, zero stability: 0.75 kg/h, L x D x K x B x H x N-ΦA = 420x115x85x90x214mm x 4-Φ14 |
| | | 40 | | | | | | DN40, range: 3500 kg/h to 35000 kg/h, zero stability: 3.00 kg/h, L x D x K x B x H x N-ΦA = 520x150x110x103226mm x 4-Φ18 |
| | | 50 | | | | | | DN50, range: 3500 kg/h to 35000 kg/h, zero stability: 3.20 kg/h, L x D x K x B x H x N-ΦA = 532x165x125x103x226mm x 4-Φ18 |
| **Converter Type** | | | A1 | | | | | Integral display (-50℃ to 100℃) |
| | | | A2 | | | | | Integral display with high-temperature rating (-50℃ to 125℃) |
| | | | B2 | | | | | Remote display (-150℃ to 250℃) |
| **Process Connection** | | | | DIN | | | | DIN Flange |
| | | | | ANSI | | | | ANSI Flange |
| | | | | JIS | | | | JIS Flange |
| **Output** | | | | | R | | | 4-20mA + Pulse + RS485 |
| | | | | | H | | | 4-20mA + Pulse + HART |
| **Accuracy** | | | | | | 10 | | 0.1% Reading of the Range |
| | | | | | | 15 | | 0.15% Reading of the Range |
| | | | | | | 20 | | 0.2% Reading of the Range |
| | | | | | | 30 | | 0.3% Reading of the Range |
| **Options** | | | | | | | EXP | Explosion Proof, Ex d IIC T5 Gb |
| | | | | | | | HP | High pressure rating to PN63 |
| | | | | | | | LF | Low flow measurement, please consult the factory |
| | | | | | | | IP68 | IP68 (Remote only) |

# The Series KF900T-FA Coriolis Mass Flowmeters

Pipe sizes from 8 to 40 mm, A-tube design with flange connections, explosion-proof




**The Series KF900T-FA Coriolis Mass Flowmeters** employ advanced DSP digital signal processing and fully digital drive technology, significantly enhancing flow stability. The display features a large OLED screen for smoother, clearer visuals that remain stable even at low temperatures. The instrument supports real-time self-diagnosis, monitoring various issues and providing alarms. Additionally, it includes multiple signal interfaces such as current, pulse, and RS485, along with various functional options to accommodate different working conditions. A capacitive button design allows convenient operation without needing to open the converter's cover. V-tube design, small size and light weight, saves installation space, cost and time.

## FEATURES

- ·High accuracy, 0.1% of reading
- ·A-tube design, compact size, lightweight
- ·Integral welding structure, sturdy and durable
- ·Explosion-proof Ex d IIC T6 Gb
- ·Accurate measurement even when the medium contains gases
- ·Fast and comprehensive digital signal processing
- ·High-precision density measurement
- ·No crosstalk: unaffected by installation and process conditions

## APPLICATIONS

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

## SPECIFICATIONS

| | |
|---|---|
| **Service** | Liquids, including highly viscous media, non-homogeneous mixtures, and media with solid content or entrained gas |
| **Pipe Size** | 8mm to 40mm |
| **Material** | 316L |
| **Accuracy** | ±0.1%, ±0.15%, ±0.2%, ±0.3%RD within the range |
| **Temperature Limit** | -50℃ to 100℃ for integral display; -50℃to 125℃ for integral display high-temperature option; -150℃ to 250℃for remote display |
| **Pressure Rating** | PN40, optional PN63 |
| **Enclosure Rating** | IP67, optional IP68 (remote) |
| **Output** | 4-20mA + pulse |
| **Communication** | HART or RS-485 |
| **Display** | OLED, Size 58mm x 29mm |
| **Display Units** | Mass flow: kg/s, kg/m, kg/h, t/s, t/m, t/h; mass totalizer flow: kg, t; volume flow: L/s, L/m, L/h, m³/s, m³/m, m³/h; volume totalizer flow: L, m³; density: g/cm³, g/L, kg/L, kg/m³ |
| **Power Supply** | 18-265 V AC or 18-36 V DC |
| **Process Connection** | DIN Flange, ANSI flange, JIS Flange |
| **Explosion Rating** | Ex d IIC T6 Gb |
| **Converter Size** | 181.5mm x 171mm x 141mm |
| **Converter Weight** | 1.35 Kg |

## MODEL CHART

| Example | KF900T-FA | -15 | -A1 | -DIN | -H | -10 | -EXP | |
|---|---|---|---|---|---|---|---|---|
| **Series** | KF900T-FA | | | | | | | Coriolis Mass Flowmeters |
| **Pipe Size** | | 8 | | | | | | DN8, Normal flow: 19kg/h, Max: 28kg/h, zero stability: 0.0005kg/h; A x B x C x D x E x F = 361x183x216x54x504x174mm |
| | | 10 | | | | | | DN10, Normal flow: 96kg/h, Max: 110kg/h, zero stability: 0.0024kg/h; A x B x C x D x E x F = 361x183x216x54x504x174mm |
| | | 15 | | | | | | DN15, Normal flow: 270kg/h, Max: 310kg/h, zero stability: 0.0068kg/h; A x B x C x D x E x F = 361x183x216x54x504x174mm |
| | | 20 | | | | | | DN20, Normal flow: 1000kg/h, Max: 1420kg/h, zero stability: 0.025kg/h; A x B x C x D x E x F = 163x219x279x53x548x174mm |
| | | 25 | | | | | | DN25, Normal flow: 3000kg/h, Max: 4200kg/h, zero stability: 0.075kg/h; A x B x C x D x E x F = 191x306x410x69x640x174mm |
| | | 32 | | | | | | DN32, Normal flow: 7700kg/h, Max: 11000kg/h, zero stability: 0.19kg/h; A x B x C x D x E x F = 210x350x466x82x686x174mm |
| | | 40 | | | | | | DN40, Normal flow: 15200kg/h, Max: 21600kg/h, zero stability: 0.38kg/h; A x B x C x D x E x F = 210x420x569x111x759x174mm |
| **Converter Type** | | | A1 | | | | | Integral display (-50℃ to 100℃) |
| | | | A2 | | | | | Integral display with high-temperature rating (-50℃ to 125℃) |
| | | | B2 | | | | | Remote display (-150℃ to 250℃) |
| **Process Connection** | | | | DIN | | | | DIN Flange |
| | | | | ANSI | | | | ANSI Flange |
| | | | | JIS | | | | JIS Flange |
| **Output** | | | | | R | | | 4-20mA + Pulse + RS485 |
| | | | | | H | | | 4-20mA + Pulse + HART |
| **Accuracy** | | | | | | 10 | | 0.1% Reading of the Range |
| | | | | | | 15 | | 0.15% Reading of the Range |
| | | | | | | 20 | | 0.2% Reading of the Range |
| | | | | | | 30 | | 0.3% Reading of the Range |
| **Options** | | | | | | | EXP | Explosion Proof, Ex d IIC T5 Gb |
| | | | | | | | HP | High pressure rating to PN63 |
| | | | | | | | LF | Low flow measurement, please consult the factory |
| | | | | | | | IP68 | IP68 (Remote only) |