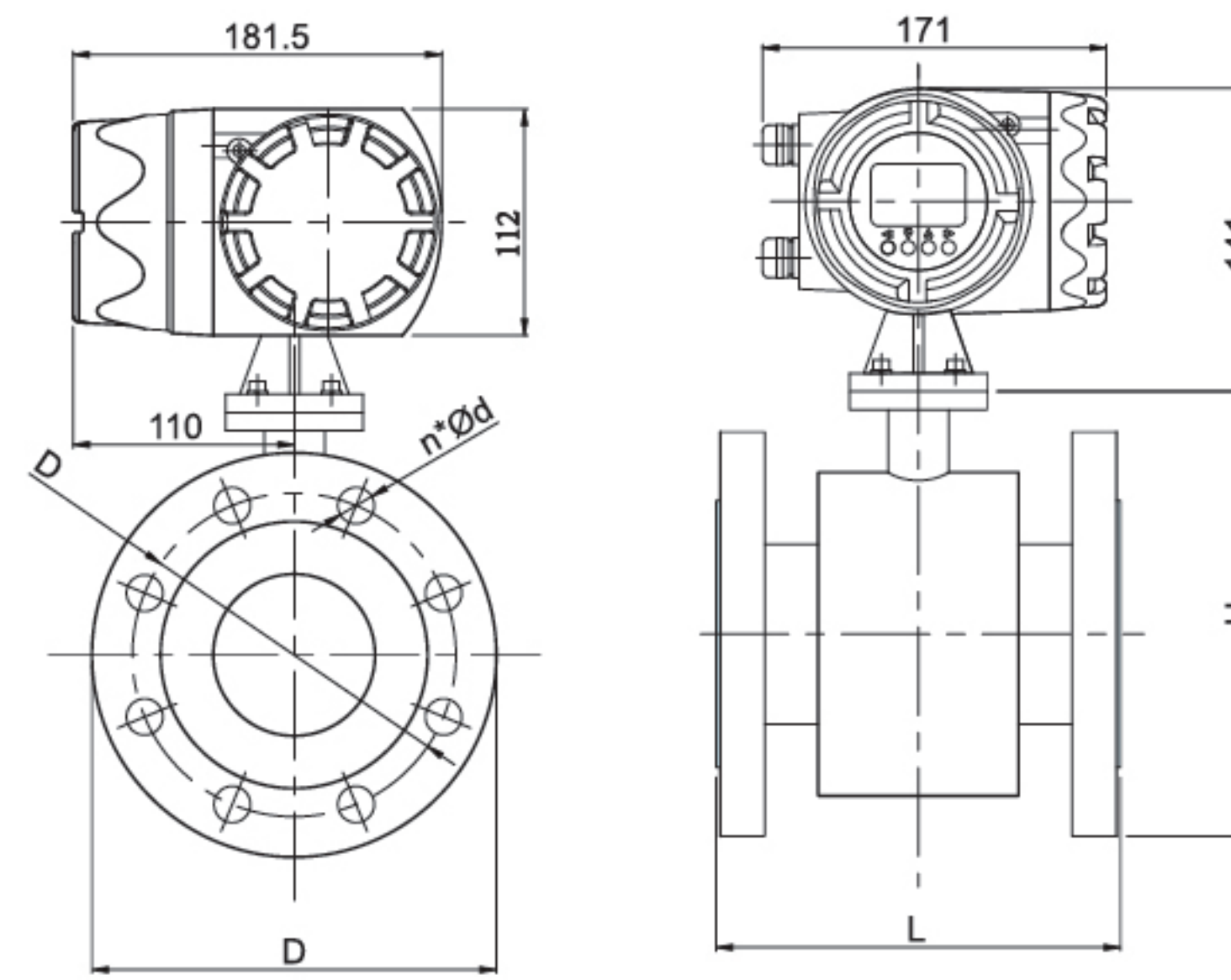


The Series KF700-GA High-pressure Electromagnetic Flowmeter

From 15mm to 150mm, accuracy up to ±0.2%, ultra-low conductivity liquids as 1µs/cm



The Series KF700-GA High-pressure Electromagnetic Flowmeter features a high-strength housing and pressure-resistant lining, manufactured using special processes and materials to ensure strong pressure-bearing capabilities. Adopting electromagnetic measurement technology, it has no moving parts, enabling accurate measurement even in applications where liquids contain impurities, with extremely low post-operation maintenance workload. Its specially designed electrodes can reduce dirt accumulation, and it has minimal requirements for straight pipe sections at the front and rear. This series of products can measure liquids with a conductivity as low as 1µs/cm. All models are equipped with indicators for instantaneous flow and totalized flow. They come with 4-20mA output and pulse output, which are used in applications such as remote display or control, data acquisition, and remote measurement.

FEATURES

- Adopts a high-strength outer shell and pressure-resistant lining, ensuring strong pressure-bearing capacity.
- Capable of measuring ultra-low conductivity liquids (as low as 1µs/cm)
- Customizable to achieve an accuracy of up to ±0.2%
- On-site configuration via the display screen to meet application requirements
- Ensures accurate measurement even when temperature, density, or viscosity changes, thereby improving system efficiency;
- Features long service life, low cost, and minimal maintenance needs
- No moving parts, avoiding wear, tear, or damage
- Electrode design with anti-fouling and anti-damage properties
- Adopts an unobstructed flow measurement method, resulting in no pressure loss

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	From DN15 to DN150
Electrode Material	316L; optional: Hastelloy Hc, Hastelloy Hb, titanium alloy (Ti), platinum alloy (Pt), tantalum alloy (Ta)
Liner Material	Optional liners: F46, PFA
Service	Conductive liquids compatible with the selected material
Medium Conductivity	>20µs/cm; optional low-conductivity measurement down to 1µs/cm
Accuracy	Within the range: ±0.5% RD; ±0.2% RD (optional)
Flow Velocity Range	0.3m/s - 10m/s
Temperature Rating	F46 liner up to 150°C; PFA liner up to 150°C
Pressure Rating	PN 26MPa
Enclosure Rating	IP65, IP67, IP68 (varies by model)
Output Signal	4-20mA + pulse + RS485; optional with HART protocol
Power Requirements	Optional: 85-265V AC 50Hz, 85-265V AC 60Hz, or 18-36V DC
Electrical Connections	M20*1.5
Process Connections	Flange GB/T9113-2000

MODEL CHART										
Example	KF700-GA	-A1	-25	-1	-L	-3	-2	-1	-A1	
Series	KF700-GA									High-pressure Electromagnetic Flowmeter
Converter Type		A1								Integrated Type with MF710 Converter
		A2								Integrated Type with MF720 Converter
		B3								Remote Type with MF730 Converter
Pipe Size			15							DN15, 0.2m³/h - 4m³/h; L x D x H x n-Φd= 220x120x82.5mm x 4-Φ22
			20							DN20, 0.3m³/h - 6m³/h; L x D x H x n-Φd= 220x130x89mm x 4-Φ22
			25							DN25, 0.5m³/h - 10m³/h; L x D x H x n-Φd= 220x150x101.5mm x 4-Φ26
			32							DN32, 0.8m³/h - 16m³/h; L x D x H x n-Φd= 220x160x111mm x 4-Φ26
			40							DN40, 1.2m³/h - 25m³/h; L x D x H x n-Φd= 250x180x124mm x 4-Φ29.5
			50							DN50, 2m³/h - 40m³/h; L x D x H x n-Φd= 250x215x165mm x 8-Φ26
			65							DN65, 3.5m³/h - 60m³/h; L x D x H x n-Φd= 300x245x190mm x 8-Φ26
			80							DN80, 5m³/h - 100m³/h; L x D x H x n-Φd= 350x265x203mm x 8-Φ32.5
			100							DN100, 8m³/h - 160m³/h; L x D x H x n-Φd= 400x310x241.5mm x 8-Φ32.5
			125							DN125, 12m³/h - 250m³/h; L x D x H x n-Φd= 450x375x292mm x 8-Φ42
			150							DN150, 18m³/h - 400m³/h; L x D x H x n-Φd= 500x395x317.5mm x 12-Φ39
Body Material				1						A3 Carbon Steel
				2						304 Stainless Steel
				3						316L Stainless Steel
Electrode Material					L					316L Stainless Steel
					C					Hastelloy Hc
					B					Hastelloy Hb
					T					Titanium (Ti)
					P					Platinum (Pt)
					A					Tantalum (Ta)
Liner Material						2				F46 (DN10-DN300), Temperature Resistance up to 150°C
						3				PFA (DN10-DN300), Temperature Resistance up to 150°C
Enclosure Rating							1			IP65
							2			IP67
							3			IP68 (for Remote Type)
Output Signal								1		4-20mA + Pulse
								2		4-20mA + Pulse + RS485
								3		4-20mA + Pulse + HART (applicable only to MF720, 730)
Power Requirements									A1	85-265V AC 50Hz
									A2	86-265V AC 60Hz
									B	18-36V DC