KOMETER



KTR-550-S-SA

Turbine Flow meter Reliable Measurement and Cost-effective

FEATURE

- Specific installation length and various sanitary connection options available
- Selectable Sanitary Clamp or Sanitary Male type
- Can be used with driving part and indicating part separated
- Relatively low cost
- DC / AC power type or battery type is selectively available
- Wide range of application to fluids at low temperature to high temperature
- Capable of providing outputs of varied signals outward
- Can be freely installed horizontally and vertically
- Can be manufactured from small to large diameter

APPLICATIONS

▶ General industry

- Utility Use : Auxiliary and supply lines used in energy distribution

▶ Food and Beverage

- Precise mixing, dosing and dispensing (Batching)
- Beverages (soft drinks, beer, wine, fruit juice, etc.)
- Milk and other dairy products
- Demi Water

▶ Machinery and Equipment (OEM industry)

- Coolant, Coolant, Lubricant, Air supply

▶ Paper and Pulp industries

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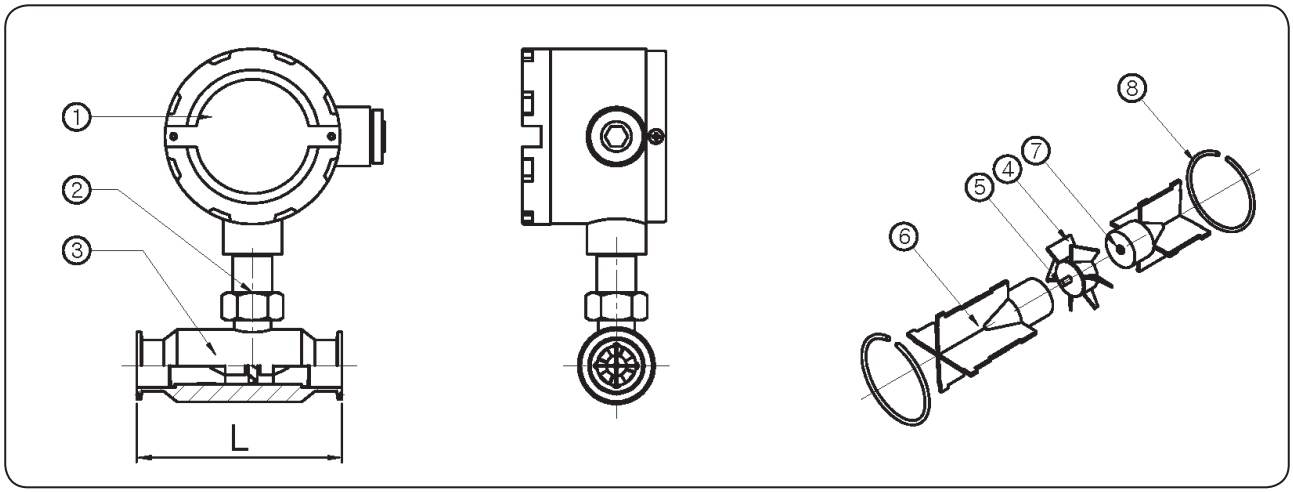
KTR-550-S-SA General Specifications

Size	10A (0.5S) - 80A (3S)
Process Connection	Tri-Clamp Ferrule
Flow Ranges	Water - 0.04 ㎥/h ~ 100 ㎥/h
Accuracy	±0.5 % F.S (Option ±0.2 % F.S)
Fluid Temperature	-20 ℃ ~ 120 ℃ (Option -200 ℃ ~ 450 ℃)
Ambient Temperature	-25 ℃ ~ 60 ℃
Max. Pressure	Under 1S - Max. 350 kgf/㎠.G More than 1-1/2S - Max. 60 kgf/㎠.G
Power Supply	AC 220 V / DC 24 V / 3.6 V battery
Display	With KTR-550B / KTR-550F
Output	DC 4-20 mA, Pulse RS-485, Contact 2P High, Low
Protection Class	Ex d IIC T5 / IP67

MODEL CODE

KTR-550	-	□	-	□	Specification
		S			Output DC 4-20 mA without Indicator
		F			AD 110/220V or DC 24V (4-Wire) type with Indicator
		MF			3.6 V battery type with Indicator
				SA	Connection - Sanitary Clamp
				ST	Connection - Sanitary Male

STRUCTURAL DRAWING



FLOW RANGE & DIMENSIONS

Size		L (mm)	Flow ranges (m^3/h)
10A	0.5S ~ 1S	100	0.12 – 1.2
15A	1S ~ 1-1/2S	80	0.3 – 4
20A		90	0.6 – 6
25A		110	0.6 – 10
32A	1-1/2S	140	1.5 – 15
40A	2S	140	1.5 – 20
50A	2S-1/2S	150	2 – 40
65A	3S	200	5 – 60
80A			5 – 100

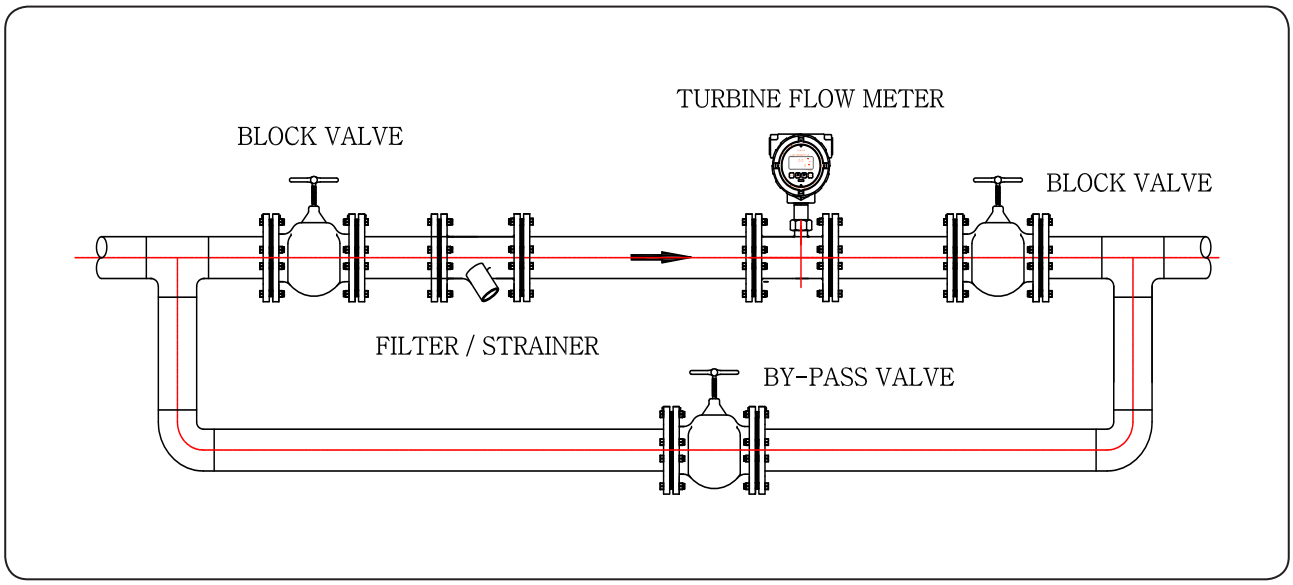
STANDARD MATERIAL

No.	Description	Material	
		Normal	Option
1	Indicator	ADC12	
2	Pickup case	ADC12	
3	Body	304SS	316SS
4	Rotor	CD4MCH	
5	Rotor shaft	TUNGSTEN CARBIDE	316LSS
6	Support	304SS	316SS
7	Bushing	TUNGSTEN CARBIDE	HIGH DENSITY PLASTIC
8	Retaining ring	304SS	316SS

CAUTION

This flowmeter should be checked for foreign objects before installation. If there is foreign material, you must install Strainer in order to rotate Turbine smoothly. The straight pipe sections maintain the front end 10D and the rear end 5D so that fluid can flow stably. Also, avoid excessive vibrations or shocks as this may deteriorate the life or performance of the instrument.

INSTALLATION PRECAUTIONS



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