1. Turbine Flowmeter Converters

KF510 series is as a speed flow metering,used to measure the full closure of pipeline and continuous flow of volume liquid.it is good for low viscosity liquids that can with high accuracy of instant and totalizer flow.

Features:

High accuracy digital paddlewheel technology
Rate and total flow display
Easy to operations and read,eight large digital LCD display
Install quickly on existing pipe
No pressure drop
Corrosion resistant PVDF sensor
Minimal maintenance required
Long-life lithium battery
Stopped-flow instructions
Diversification installation
Totalizer :can be reset and the
permanent preservation
User set security password

Specifications:

Item	Flow Convertor
Model	KF510
Full scale accuracy	±1%，±1.5%
Repeatability	±0.5%
Temperature	-20~ +65ºC
External dimension	100x100mm
Installation method	Panel mount、compact type(DN10~DN50)
Power supply	DC24V, battery power supply, AC220V
Output signal	4~20mA，Passive pulse
Communication	RS485
Alarm	Upper limit,lower limit,totalizer
Protection class	IP65
Consumption	2W

Item	paddlewheel flow sensor
Velocity range	0.3~6m/s
Diameter	DN10-DN50 (with PVDF triplet) DN65-500(insert type)
Wetted material	Sensor:PVDF Impeller:PVDF Shaft lever:ceramics
Seal ring	Viton,EPDM
Working temperature	PVDF: -20~ +140ºC
Working pressure	1.0MPa , 0.8MPa

2. Turbine flowmeter Sensor

PVDF Paddlewheel

Name	Turbine flow sensor
Flow speed	0.3~6m/s
Diameter	DN10~DN50(with PVDF triplet) DN50~DN300(insert type)
Wettied material	Sensor: PVDF Impeller :PVDF Shaft lever: ceramics
Seal-ring	Viton，EPDM
Working temperature	PVDF: -20~ +140℃
Working pressure	0.8MPa

2. Flow Ranges

Specifications:

DN(mm)	Range (m^3/h)	Male	Press (MPa)	temp. (°C)	A mm	B mm
10	0.1~1.8	G3/8″	1.0	≤80°C	152	121
15	0.2~4	G1/2″			152	130
20	0.3~6	G3/4″			158	142
25	0.5~12	G1″	0.8		158	141
40	1.5~24	G1½″			168	175
50	2~40	G2″			184	175

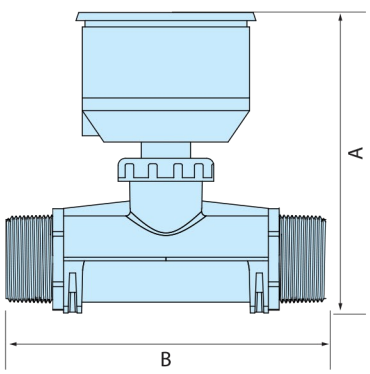
G3/8“

G3/4“

G1½“

Insert type Specifications:

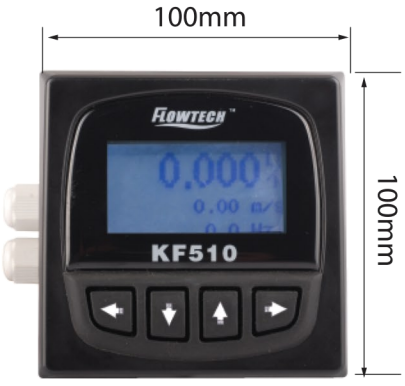
DN(mm)	Range (m^3/h)	Press (MPa)	temp. (°C)
50	3~30	0.8	≤80°C
63	5~50		
75	8~80		
90	10~100		
110	15~150		
160	35~350		
200	50~500		
250	80~800		
300	100~1000		



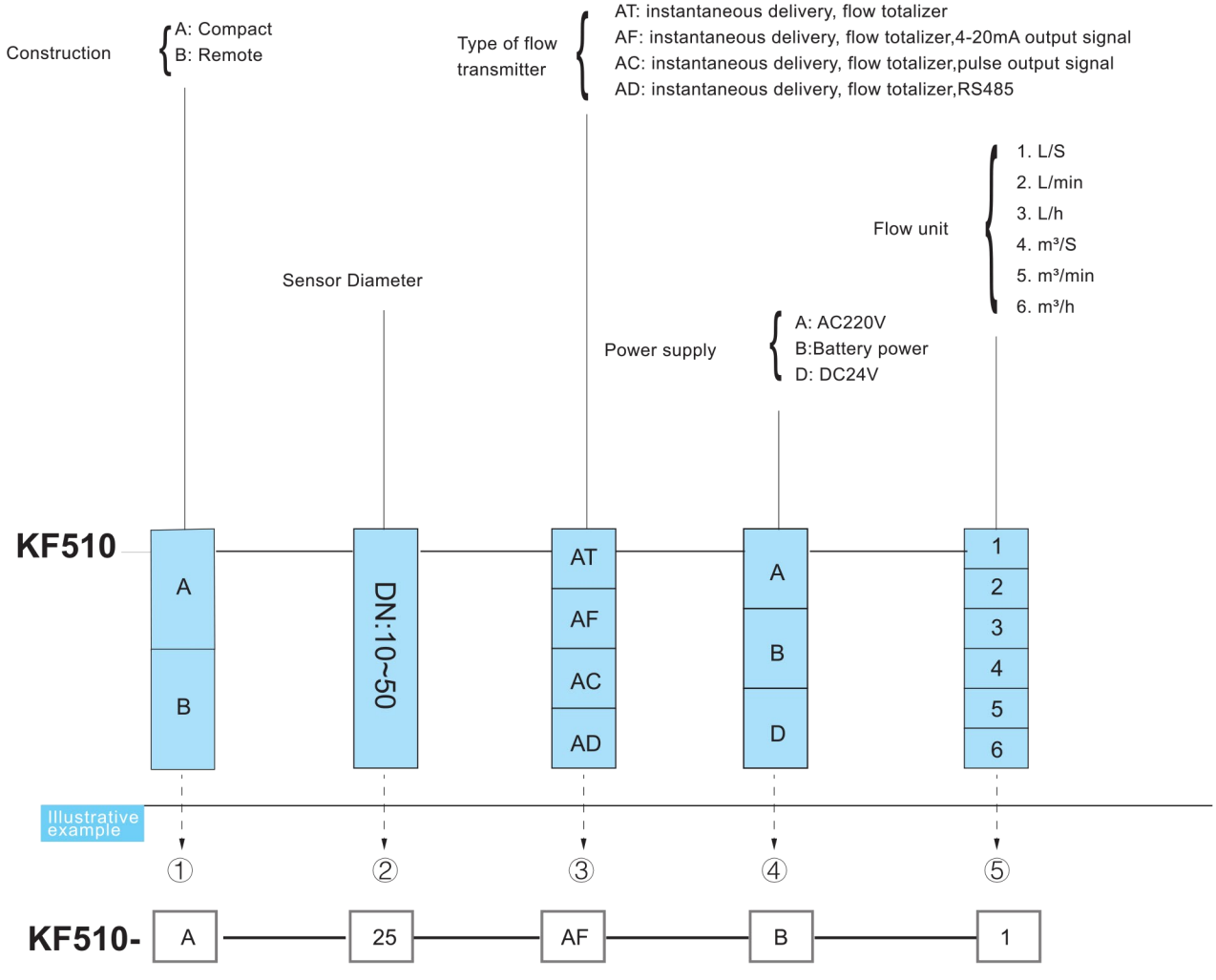
Application

- Water treatment systems
- Process treatment/ distribution
- Irrigation system
- Filtration system
- Swimming pool and hot spring
- Groundwater packing
- Counter-infiltration
- Process flow monitor
- Ultra-pure water delivery
- Desalination and recycle
- Process cooling water

3. Dimension



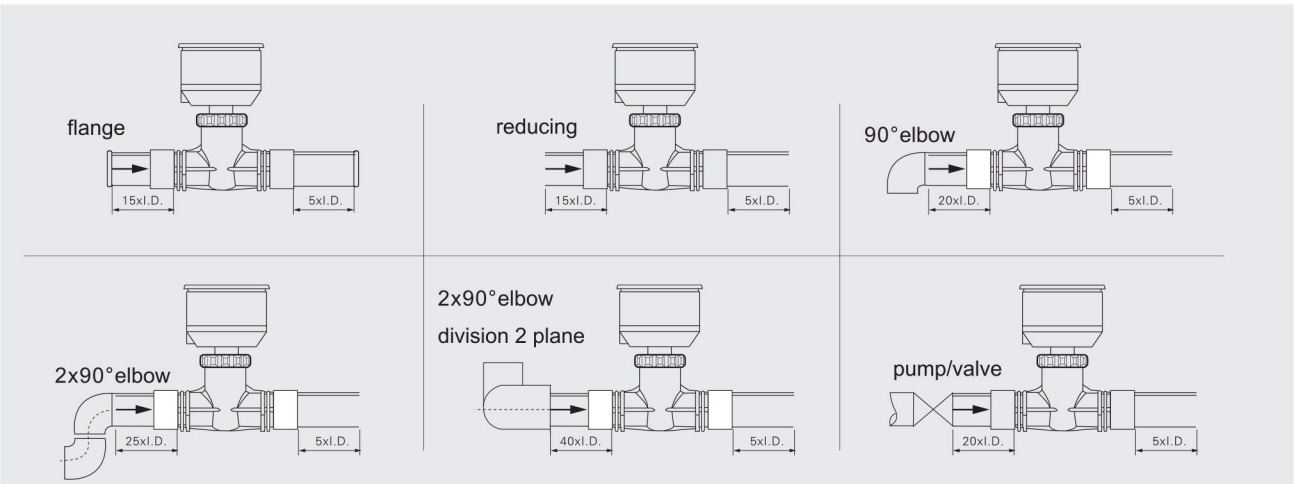
4. How to select KF510

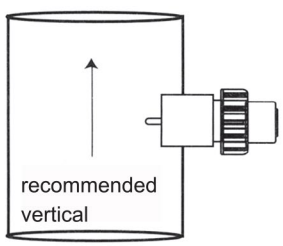


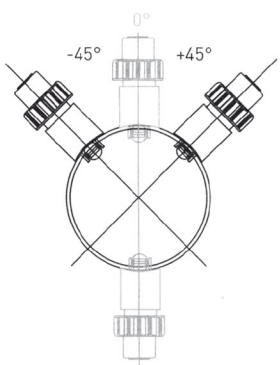
5. installation requirements

Minimum straight pipe length requirements

The digital paddlewheel meters' accuracy is affected by disturbances such as pumps,elbows,tees,valves,etc.in the flow stream,install the meter in a straight run of pipe as far as possible from any disturbances.the distance required for accuracy will depend on the type of disturbance.







45°acceptable

Mounting location

The digital paddlewheel meters is designed to withstand outdoor conditions.a cool,dry location,where the unit can be easilyl serviced is recommended.the meter can be mounted on horizontal or vertical runs of pipe.mounting at the vertical(twelve o'clock)position on horizontal pipe is recommended.mounting anywhere around the diameter of vertical pipe is acceptable,however,the pipe must be completely full of water at all times.back pressure is essential on downward flows.see the minimum straight length of pipe requirement chart above.the meter can accurately measure flow from either direction.