

Compound Water Meter

Special Features :

- (1) The measurement elements including main meter, bypass meter and changeover valve. ("3 in 1" concept)
- (2) There are four diameters: DN50, 65, 80 and 100.
- (3) The main meter and bypass meter are arranged in straight as the water flowing direction, so the installation space do not need too much.
- (4) The impeller of the main meter is designed to according to the hydrodynamic.
- (5) Bypass meter is as a measuring carriage.
- (6) Adopting the spring-loaded changeover valve with low pressure lose.
- (7) For convenience reading, the register of main meter can be turned in 300°.
- (8) She is provided with going upstream or against the current, for preventing the backflow of the external pipe or the pressure of outlet is higher then flow backward, letting the accumulation volume of register reversed

Applications :

- (1) The measuring ranges are wide, suitable for the place of big flow rate difference.
- (2) The starting flow rate (10L/H) is small, so she is easy to detect the pipe behind the meter whether is leak or not.
- (3) She is lighter and need less installation space than the traditional type, besides also can add an adjustable pipe before the meter for suiting the original length of meter.

Installation Requirements :

- (1) Installed by horizontal or vertical.
- (2) Working temperature: A. 0~45°C B. 0~120°C.

Performance :

Type	Working temperature PN Kgf/cm ²	Max. peak flow Q max m ³ /h	Continuous flow		Change over with Q c		Transitional flowrate ± 2% Q t m ³ /h	Min. flowrate ± 5% Q min m ³ /h
			Q n m ³ /h	Q n m ³ /h	Increasing m ³ /h	Decreasing m ³ /h		
KC -65C	17.5	90	50	2.5	2.3	1.2	0.0375	0.02
KC -65C		120	70	2.5	2.3	1.2	0.0375	0.02
KC -80C		200	120	2.5	2.3	1.2	0.0375	0.02
KC -100C		280	180	2.5	2.3	1.2	0.0375	0.02

Dimensions and Weights :

Type	Length (mm) L	Height			Width B mm	Weight kg	Remark
		H mm	h mm	g mm			
KC -50C	300	175	refer to Width	250	According to the flange dimension	21	Flange: JIS 10K/ ANSI 150lb / DIN PN16 stomize
KC -65C	300					22	
KC -80C	350					25	
KC -100C	350					27	

Materials :

Casing	Main Meter	Cast-Iron (with epoxy painting)/ Stainless Steel, Stainless Steel Top
	Bypass meter	Stainless Steel Outside
Measuring element		Plastic
Impeller		Plastic
Spring loaded Valve		Plastic, Stainless Steel

Order Introduction :

	Dia.	Category	+	Hot Type	+	SUS 304	+	SUS 316	+	Flange Spec.
KC	---	C	+	H	+	S1	+	S2	+	---

Ex1: 3", Hot Type, SS304, JIS10K → KC-80CHS1JIS10K

Ex2: 3", Standard Type, JIS10K → KC-80CJIS10K