

Flow Gauge & Switch, Sight flow meter

HCKC - Series

Description

Flow Switch

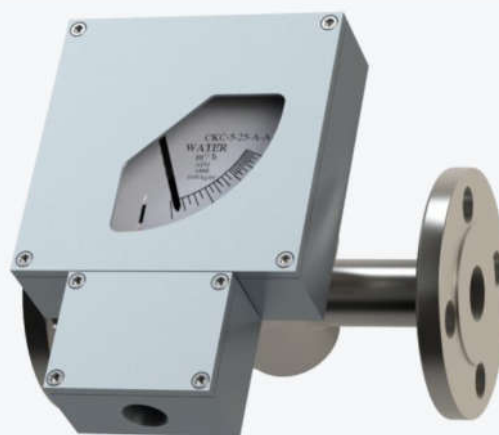
They are magnet coupling, pointer indication type sight glass.

A flapper is located in flow path and the movement of the flapper is transferred to the pointer by magnetic coupling for the indication on the scale plate.

They are used to measure the opaque liquid, sludge, cooling water and gas.

Features

- Magnet coupling
- Alarm (1 SPDT, 2 SPDT) – Micro Switch Sensor



Flow Chart

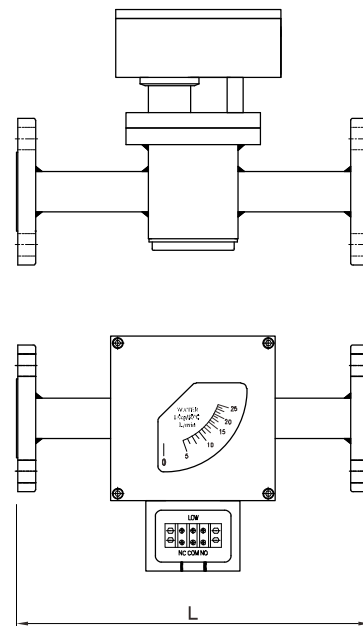
Size		Flow Rate	Flow Rate		Length (mm)	
		H ₂ O (m ³ /h)	GAS (Nm ³ /h)	STEAM (Kg/h)	L (Flange)	L (Screw)
15A	1/2B	0,1 – 0,5	6 – 30	10 – 50	220	150
		0,4 – 2	12 – 60	20 – 100		
20A	3/4B	0,1 – 0,5	6 – 30	10 – 50	220	160
		0,6 – 3	12 – 60	20 – 100		
25A	1B	0,2 – 1	12 – 60	10 – 50	220	180
		1 – 5	30 – 150	40 – 200		
32A	1-1/4B	0,2 – 1	12 – 60	10 – 50	220	200
		1 – 5	30 – 150	40 – 200		
40A	1-1/2B	0,4 – 2	16 – 80	20 – 100	220	200
		2 – 10	60 – 300	80 – 400		
50A	2B	0,6 – 3	20 – 100	20 – 100	220	220
		3 – 15	90 – 450	120 – 600		
65A	2-1/2B	1,2 – 6	60 – 300	80 – 400	260	220
		6 – 30	180 – 900	240 – 1,200		
80A	3B	1,6 – 8	120 – 600	100 – 500	300	
		8 – 40	240 – 1,200	400 – 2,000		
100A	4B	3 – 15	180 – 900	200 – 1,000	330	
		16 – 80	400 – 2,000	700 – 3,500		
125A	5B	4 – 20	200 – 1,000	200 – 1,000	380	
		20 – 100	600 – 3,000	900 – 4,500		
150A	6B	6 – 30	240 – 1,200		480	
		30 – 150	900 – 4,500			
200A	8B	12 – 60	300 – 1,500		650	
		60 – 300	1,800 – 9,000			
250A	10B	16 – 80	600 – 3,000		680	
		80 – 400	2,400 – 12,000			
300A	12B	20 – 100	900 – 4,500		720	
		100 – 500	3,000 – 15,000			

Specification

Measuring	Liquid, Gas and Steam
Meter Size	15A(1/2") ~ 300A(12")
Material	SUS 304 / SUS 316 / SUS 316L Other Materials on Request
Pressure Rating	Max 10 kgf/cm ² (Standard) Option: Max 20 kgf/cm ²
Temperature	Operation: 0 ~ 100°C (Max: 120°C) Option: Max 200°C
Connection	Flange Connection (JIS / ANSI / DIN / Other) Screw Connection
Accuracy	± 5.0% of F.S
Alarm (Option)	Contact Capacity: 250 VAC 3A Form: 1-SPDT, 2-SPDT, Relay output Sensor: Micro Switch Sensor
Electro Connection	PF 3/4"

Material & Dimension

Part List	Material		
Flange	SUS 304	SUS 316	SUS 316L
Packing	NBR, EPDM, VITON, PTFE		
Body	SUS 304	SUS 316	SUS 316L
Shaft	SUS 304	SUS 316	SUS 316L
Spring	SUS 304	SUS 316	SUS 316L
Flapper	SUS 304	SUS 316	SUS 316L
Bolt Nut	SUS 304	SUS 316	SUS 316L
Case / Cover	ALUMINUM		
Scale	ALUMINUM		
Sensor	Micro Switch		
Terminal Box	ALUMINUM		
Point	SUS 304		



HCKC

Flow Gauge & Switch, Sight *flow meter*

Ordering Code

Model	Specification	Description		
HCKC	Flow Switch			
	▪ Flow Direction			
	1	Bottom → Top		
	5	Side → Side		
	6	Top → Bottom		
	▪ Meter Size			
	15	15A(1/2")	100	100A (4")
	20	20A(3/4")	125	125A (5")
	25	25A (1")	150	150A (6")
	32	32A (1-1/4")	200	200A (8")
	40	40A (1-1/2")	250	250A (10")
	50	50A (2")	300	300A (12")
	65	65A (2-1/2")	O	Others
	80	80A (3")		
	▪ Connection			
	J	JIS 10K		
	A	ANSI 150#		
	D	DIN PN16		
	P	Screw: PT		
	N	Screw: NPT		
O	Others			
▪ Body Material				
A	SUS 304			
B	SUS 316			
C	SUS 316L			
O	Others			
▪ Alarm (Micro Switch)				
1	One Point Alarm (1-SPDT)			
2	Two Point Alarm (2-SPDT)			
O	Others			

[Example]

HCKC-1-15-J-A-1