Your Measurement Expert

Metal Variable Area Flow Meter

Feature

- It can be measured: hot water, purified water, water for injection, vegetable oil, ,milk , Compressed air, steam etc.
- Dual-line display, instantaneous/ cumulative flow rates displayed at the field
- With function of data recovery, data backup and power failure protection
- Multiple parameters calibrating function

Technical details

Nominal Diameter	4mm-200mm
Measuring medium	liquid,gas,team etc.
Measuring range	1-200000 l ／h, 0.03-6000m 3 /h
Accuracy	±1%, ±1.5%
Pressure loss	7kPa~70kPa
Visocsity	DN15:η<5mPa.s(F15.1-F15.3) η<30mPa.s(F15.4-F15.8) DN25:η<250mPa.s DN50-DN150:η<300mPa.s
Output signal	4-20mA,pulsing signal,outwith signal.
Working Temperature	-40~+100℃:PTFE:0℃~100℃ High temp:110℃-450℃
Relative Humidity	5% to 90%
Power Supply	24VDC,220VAC, Battery.Optional
Process connection	Sanitary Tri-Clamp,flanged,thread(Choice)
Unit	M3/h , L/h , L/min , UK Gal/min, US Gal/min , US Gal/h , KG/h , t/h, Pl3/h .

Measurable Flow Rate Range:

Diameter (mm)	Float type	Flow range Water L/h Material:R0,R1,R4,Rw,Ti,RL, Hc	Material:PTFE	Air m3/h Standard
15	F15.0	1～10		0.03～0.3
	F15.1	1.6～16		0.05～0.5
	F15.2	2.5～25	1.6～16	0.07～0.7
	F15.3	4.0～40	2.5～25	0.12～1.2
	F15.4	6.3～63	4.0～40	0.18～1.8
	F15.5	10～100	6.0～60	0.3～3
	F15.6	16～160	10～100	0.48～4.8
	F15.7	25～250	16～160	0.7～7
	F15.8	40～400	25～250	1.2～12
	F15.9	63～630	40～400	1.8～18
20 to 25	F25.0	63～630		
	F25.1	100～1000	63～630	3.0～30
	F25.2	160～1600	100～1000	4.8～48
	F25.3	200～2000		
	F25.4	250～2500	160～1600	7.0～70
	F25.5	320～3200		
	F25.6	400～4000	200～2000	12～120
	F25.7	500～5000	250～2500	
	F25.8	630～6300	320～3200	18～180
32,40 to 50	F50.0	500～5000		
	F50.1	630～6300	400～4000	18～180
	F50.2	1000～10000	630～6300	30～300
	F50.3	1600～16000	1000～10000	48～480
	F50.4	2000～20000	1600～16000	
	F50.5	2500～25000		70～700
65 to 80	F80.0	1600～16000		
	F80.1	2000～20000		
	F80.2	2500～25000	1600～16000	70～700
	F80.3	4000～40000	2500～25000	120～1200
	F80.4	6300～63000	4000～40000	180～1800
100	F 100.0	4000～40000		
	F 100.1	6300～63000	4000～40000	180～1800
	F 100.2	8000～80000	6000～60000	
	F 100.3	10000～100000		300～3000
150	F150.0	8000～80000		
	F150.1	10000～100000		300～3000
	F150.2	15000～150000		
200	F 200.0	15000～150000		
	F 200.1	20000～200000		

E	CPD Indicator Code
M1	Pointer ceading, square type, display instantaneous(Alarm type:a.initiator & transistor relay b: switch value)
M2	Square shell, pointer reading instantaneous, LCD displays instantaneous and accumulative total flow
M4	Round shell,multi-function indicators*1

Power supply	
Non	M1、M4 only
A	Power supply 85~265VAC, 50Hz output 4~20mA with a poor light, alarm
B	Battery, LCD, without signal output ,poor light ,M2,M4 only
C	24VDC, 2 wires, 4~20mA, without poor light
D	3 or 4wires, 4~20mA having a poor light

Explode-proof	
Non	without
I	ExiaIICT5 M2,M4 only
d	ExdIIBT6 M4 only

Alarm	
Non	without
K1	H alarm
K2	L alarm
K3	H & L alarm

Poor light	
Non	without
L	having a poor light

Communication	
H	Hart
M	ModBus

* 1 M4 function including M1,M2,M3.

* Having other connection type.

Model Selection Catalog

	A	B	C	D	E
Central Power co.					
Construction type					
Material					
Diameter of tube					
Auxiliary					
Indicator code					

Measuring tube construction (Medium flow direction) A		Materials B		Diameter C		Auxiliary D	
50	from bottom to top	R0 R1 R2 R4 RL RP Ti RW	OCr18Ni12Mo2Ti 1Cr18Ni9Ti(321) 1Cr18Ni9(302) 0Cr18Ni9(304) 00Cr17Ni14Mo2(316L) PTFE(lining) Titanium hygiene	DN15 DN25 DN50 DN80	DN100 DN150 DN200	without T Z G Y	 heat preservation damp high temp. high press
51	from bottom to right top or lift top	R0 R1 R2 R4 RL	OCr18Ni12Mo2Ti 1Cr18Ni9Ti(321) 1Cr18Ni9(302) 0Cr18Ni9(304) 00Cr17Ni14Mo2 (316L)	DN15 DN25 DN50 DN80	DN100 DN150 DN200	without Z G Y	 damp high temp. high press
52	from right or lift bottom To r & l top	R0 R1 R2 R4 RL	OCr18Ni12Mo2Ti 1Cr18Ni9Ti(321) 1Cr18Ni9(302) 0Cr18Ni9(304) 00Cr17Ni14Mo2 (316L)	DN15 DN25 DN50 DN80	DN100 DN150 DN200	without Z G Y	 damp high temp. high press
53R 53L 53H	from right to lift from lift to right Horizontal spring	R0 R1 R2 R4 RL	OCr18Ni12Mo2Ti 1Cr18Ni9Ti(321) 1Cr18Ni9(302) 0Cr18Ni9(304) 00Cr17Ni14Mo2(316L)	DN15 DN25 DN50 DN80	DN100	without Z G Y	 damp high temp. high press
54	from top to bottom	R0 R1 R2 R4 RL	OCr18Ni12Mo2Ti 1Cr18Ni9Ti(321) 1Cr18Ni9(302) 0Cr18Ni9(304) 00Cr17Ni14Mo2(316L)	DN15 DN25 DN50 DN80		without Z G Y	 damp high temp. high press

* Special Diameter ;DN20、DN32、DN40、DN65、DN125,can produced connect beforehand please.