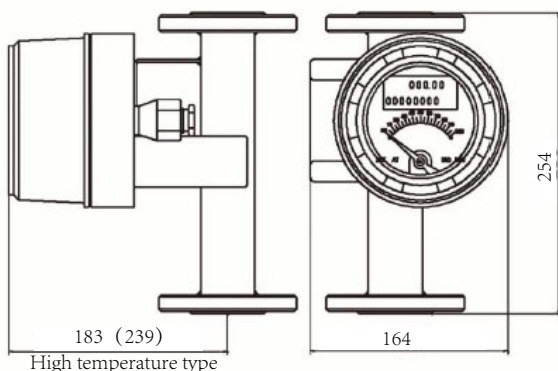




Product features

1. Solid all-metal structure design float flowmeter
2. Measuring tube indicator with independent modular concept
3. Stainless steel, hastelloy alloy, titanium, PTFE material measurement system can be selected
4. Low pressure loss design
5. Short stroke, small structure design, total height of instrument 250mm
6. Magnetic coupling structure ensures more stable data transmission and signal
7. Heat preservation or heat companion jacket
8. Vertical, horizontal and various installation methods are more suitable for different occasions

Size chart (mm)



principle structure

FM900 metal tube float meter is also known as metal float meter, metal tube rotameter and metal rotameter. Adopting the principle of variable area measurement, it is suitable for measuring liquid and gas. All metal structure, there are pointer type, electric far transmission type, corrosion resistance type, high pressure type, jacket type, explosion-proof type. With 0 ~ 10mA, 4 ~ 20mA standard analog signal output and field indication, accumulation, digital communication, field modification measurement parameters, different power supply functions, with magnetic filters and special specifications. Widely used in: petroleum, chemical, power generation, pharmaceutical, food, water treatment. Complex, harsh environmental conditions, and various media conditions in the flow measurement process.

Technical parameters

Measuring range: water (20°C) 1-200000 l/h, air (20°C, 0.1013MPa) 0.03-4000m³/h

range ratio: standard type 10:1

accuracy: 1.5% f. s.

Pressure grade: standard type: DN15-DN50 4.0MPa (25MPa);
DN80-DN200 1.6MPa (16MPa);
Sanitary chuck type 1.6MPa

Dielectric temperature: standard type: -80°C-+200°C;
PTFE: 0°C-85°C;

High temperature type: up to 400°C

medium viscosity: DN15: <5mPa. s (f15.1-f15.3;

DN25: < 250 mPa. s;

DN50-DN150: < 300 MPa. S

Ambient temperature: -30°C-+85°C

Connection form: GB/ t9119-2000 standard flange,
sanitary chuck

Cable interface: M20 * 1.5

power supply: standard 24VDC two-wire system 4-20ma
(10.8vdc-36vdc); Ac: 85-265vac 50HZ;

Battery type: 3.6v @4AH nimh battery

alarm output: upper or lower limit instantaneous flow
alarm (normally open type or relay type)

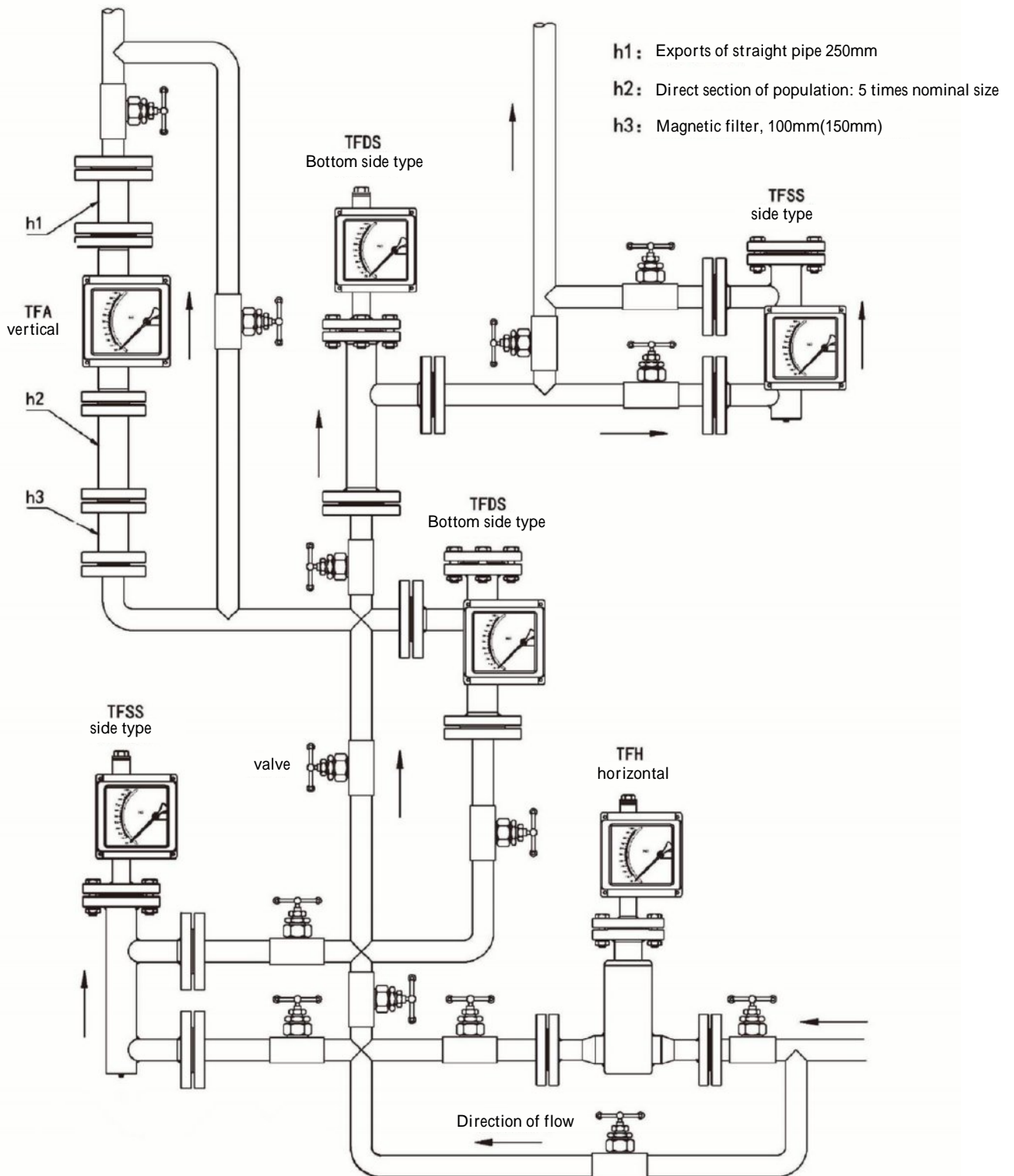
protection level: IP65

Cardiac explosion-proof marks: this Ann type ia II CT6
flameproof d II CT6

data table Table 1

size (mm)	Flow range			pressure loss KPa	
	water L/h		air M3/h	water	air
	conventional type	Anti-corrosion type	Conventional, anticorrosive		
F15	(A) 2.5 ~ 25	---	0.07 ~ 0.7	6.5	7.1
	(B) 4.0 ~ 40	2.5 ~ 25	0.11 ~ 1.1	6.5	7.2
	(C) 6.3 ~ 63	4.0 ~ 40	0.18 ~ 1.8	6.6	7.3
	(D) 10 ~ 100	6.3 ~ 63	0.28 ~ 2.8	6.6	7.5
	(E) 16 ~ 160	10 ~ 100	0.40 ~ 4.0	6.8	8
	(F) 25 ~ 250	16 ~ 160	0.7 ~ 7.0	7.2	10.8
	(G) 40 ~ 400	25 ~ 250	1.0 ~ 10	8.6	10
	(H) 63 ~ 630	40 ~ 400	1.6 ~ 16.0	11.1	14
F25	(A) 100 ~ 1000	63 ~ 630	3 ~ 30	7	7.7
	(B) 160 ~ 1600	100 ~ 1000	4.5 ~ 45	8	8.8
	(C) 250 ~ 2500	160 ~ 1600	7 ~ 70	10.8	12
	(D) 400 ~ 4000	250 ~ 2500	11 ~ 110	15.8	19
F40	(A) 500 ~ 5000	---	12 ~ 120	10.8	9.8
	(B) 600 ~ 6000	----	16 ~ 160	12.6	16.5
F50	(A) 630 ~ 6300	400 ~ 4000	18 ~ 180	8.1	8.6
	(B) 1000 ~ 10000	630 ~ 6300	25 ~ 250	11	10.4
	(C) 1600 ~ 16000	1000 ~ 10000	40 ~ 400	17	15.5
F80	(A) 2500 ~ 25000	1600 ~ 16000	60 ~ 600	8.1	12.9
	(B) 4000 ~ 40000	2500 ~ 25000	80 ~ 800	9.5	18.5
F100	(A) 6300 ~ 63000	4000 ~ 40000	100 ~ 1000	15	19.2
F150	(A) 20000 ~ 100000	---	600 ~ 3000	19.2	20.3

installation



Selection table

FM900-	A	T6	H	F15A	B	M1	A	E	--	detailed
FM900										FM900 Metal float meter
	A									Measuring tube structure: down in up out
	B									Measuring tube structure: bottom in and top out
	C									Measuring tube structure: lower horizontal into horizontal out
	D									Measuring tube structure: right in and left out
	E									Measuring tube structure: left in and right out
		T6								0Cr18Ni2Mo2Ti(316Ti Stainless steel)
		S1								1Cr18Ni9Ti (321Stainless steel)
		S6								316L
		PT								PTFE
		T1								Titanium alloy
			H							Medium: water
			A							Medium: Air
				F15A						Flange mounting: caliber DN15(Traffic range: See Table 1)
				F25A						Flange mounting: caliber DN25(Traffic range: See Table 1)
				F40A						Flange mounting: caliber DN40(Traffic range: See Table 1)
				F50A						Flange mounting: caliber DN50(Traffic range: See Table 1)
				F80A						Flange mounting: caliber DN80(Traffic range: See Table 1)
				F100A						Flange mounting: caliber DN100(Traffic range: See Table 1)
				F150A						Flange mounting: caliber DN150(Traffic range: See Table 1)
					B					standard
					T					Clip model
					Z					Damping type
					G					High temperature type
					Y					High pressure type
						M1				Local indicator, indicating instantaneous flow mechanically
						M2				Power supply type, mechanical indication of instantaneous flow, Liquid crystal display instantaneous/cumulative flow
						M3				Power type, no mechanical indication, Liquid crystal display instantaneous/cumulative flow
							-			M1 indicator only
							A			220VAC, 4—20mA output
							B			Battery powered, no output
							C			24VDC, two-wire power supply, 4-20mA output
							D			24VDC, Three, four - wire system power supply, 4-20 mA output
								S		No explosion-proof
								E		Explosion-proof type
								--		No alarm or pulse output
									K1	Upper limit alarm or pulse output
									K2	Lower limit alarm or pulse output
									K3	Upper and lower limit alarm or pulse output

note:
Anticorrosive
type should be
noted