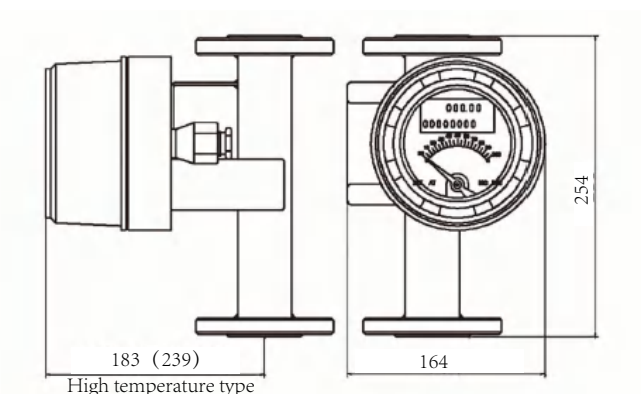




Product features

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.

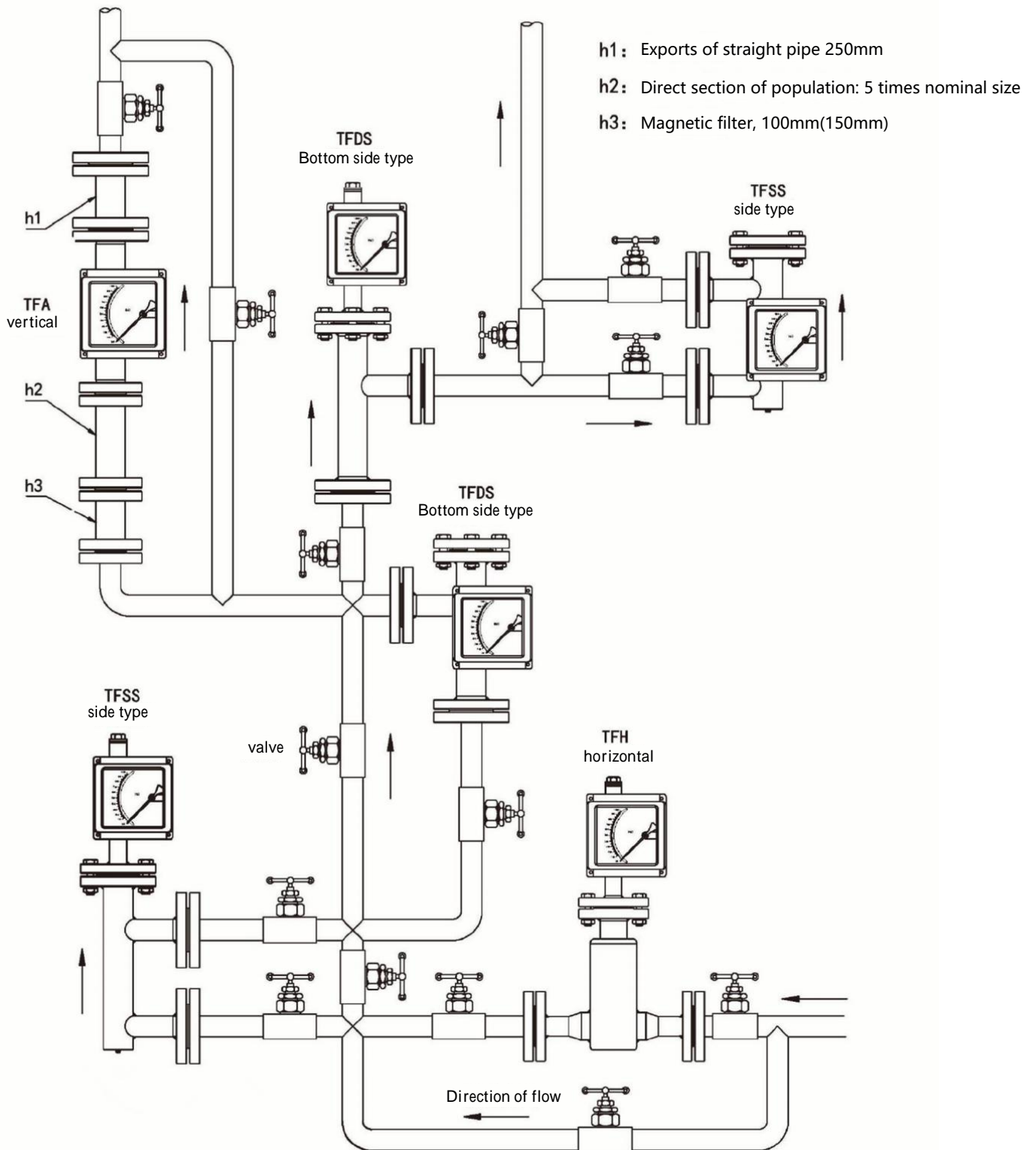
Technical parameters

- ◇ 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 K Pa | |
|-------------|----------------------|---------------------|-----------------------------|--------------------|------|
| | water (Oil) L/h | | air M ³ /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 |
| | | | W | | | | | | | Medium: oil (please mark the oil type when selecting) |
| | | | | 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:
Anti corrosive
type should be
noted