



FM13

Rotor Flow Meter

The M13 series miniature metal tube float flowmeter is a variable area flow meter based on float position measurement. The new design makes it possible to measure tiny flows. It is especially suitable for the measurement of liquid and gas micro flow. The full metal structure, with small volume, small pressure loss and large scale ratio (10:1), is widely used in the complex and harsh environment of various industries, flow measurement and process control for small flow, low flow rate, and a variety of harsh medium conditions. It is especially suitable for the measurement of turbidity, opaque or corrosive fluids.

Product Series



■ Explosion-proof type



■ Standard type

Flow Selection Table

Diameter DN(mm)	Measuring Range		Max Pressure Loss	
	Air (20°C) m ³ /h	Water (20°C) L/h	Air (kPa)	Water(kPa)
15	0.05-0.5	1.6-16	7.0	6.4
	0.07-0.7	2.5-25	7.1	6.5
	0.11-1.1	4.0-40	7.2	6.5
	0.18-1.8	6.0-60	7.3	6.6
	0.28-2.8	10-100	7.5	6.6
	0.40-4.0	16-160	8.0	6.8
	0.70-7.0	25-250	10.8	7.2
	1.00-10	40-400	10	8.6
	1.60-16	60-600	14	11.1
		80-800		14
25	3.00-30	100-1000	7.7	7.0
	4.50-45	160-1600	8.8	8.0
	7.00-70	250-2500	12	10.8
	11-110	400-4000	19	15.8
		500-5000		16.2
50	18-180	600-6000	8.6	8.1
	25-250	1000-10000	10.4	11
	40-400	1600-16000	12.6	17
80	50-500	2000-20000	15.5	6.3
	75-750	2500-25000	17.2	8.1
100	100-1000	4000-40000		9.5
	160-1600	6000-60000		10
125	250-2500	8000-80000		16
		10000-100000		20
150	300-3000	12000-120000		20
	400-4000	15000-150000		25

Product Features

- 1、 simple structure
- 2、 Work dependable
- 3、 Wide range of application
- 4、 High precision
- 5、 Easy to install
- 6、 High temperature resistance, high pressure, high safety
- 7、 Simple reading

Selection Table

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** eg. 80 means DN80

A: lower enter upper out ; **B** : lower enter upper horizontal out ; **C** : lower horizontal enter upper horizontal out ; **D**: right into left out ; **E**: Left into right out ;

A : 304 ; **B** : 316L ; **C** : PTFE ; **D** : titanium alloy ;

A : no ; **B** : Jacket ; **C** : high temperature ; **D** : high pressure ; **E** : damping ;

A : 1.6MPa DN80~DN200 ; **B** : 4.0MPa DN15~DN50 ;
C : 16MPa DN80~DN200 ; **D** : 25MPa DN15~DN50 ;

A : -80~200°C ; **B** : -80~300°C ;

A : Local display ; **B** : M2 indicator ; **C** : M3 indicator ;

A : no ; **B** : 4-20mA ; **C** : Pulse ;

0 : no ; **A** : 220VAC Without backlight ; **B** : 220VAC With backlight ; **C** : 24VDC two wire ; **D**:24VDC four wire ; **E** : 3.6Vlithium battery ;

A : no ; **B** : Carbon steel matching flange ; **C** : Stainless steel matching flange

A : Non-explosion proof ;
B : Exd II BT6; **C** : Exia II CT5

Product Series	Nominal diameter	structural style	Material of measuring tube	Additional mechanism	Pressure	Temperature	Indicator type	Output	Power Supply	Installation of matching flanges	Ex-proof grade
FM13	-□□□	□	□	□	□	□	□	□	□	□	□