

VARIABLE AREA TYPE FLOW METER (ROTAMETER)

M-TYPE

Technical Data

A. Measuring The Flow Rate For

- Gases & Liquid
- Chemical process system
- Water treatment system
- Industrial flow system

B. Service Condition

- Viscosity: ≤ 3 cP
- Max working temperature: 100°C
- Max working pressure:
 - (1) Body material: MS: 15 kg/cm²
MV: 6 kg/cm²
 - (2) Glass tube: 6 kg/cm², Instant pressure: 8 kg/cm²
 - (3) P.C tube: 10 kg/cm², Instant pressure: 15 kg/cm²

C. Alarm Switch Available (N.O), IP67

- Switch rating: AC 125V 0.5A / DC 100V 10W /
Max. DC 250V <1mA

D. Accuracy: $\pm 4\%$ F.S

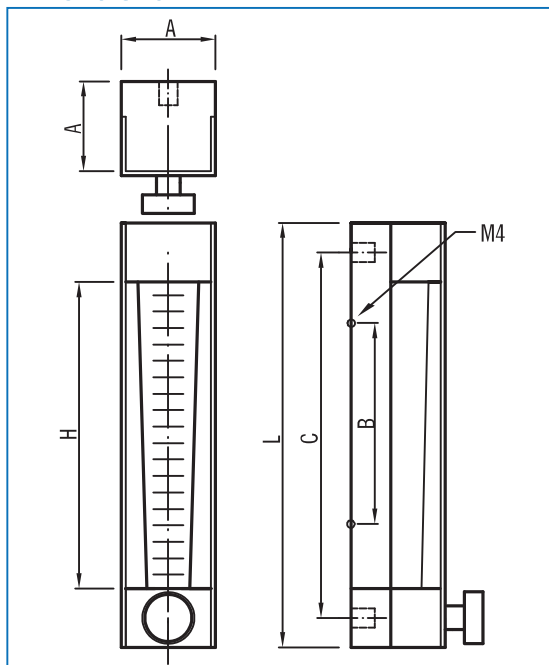
Operation Principle

The variable area flow meter content a float & taper tube. The fluid flow through the taper tube and force up to the float. The flow rate is measured as a function of the area of the opening. This area displayed as the float that is free to move to produce the varying area.



unit=mm

Dimensions



Range Size	H ₂ O (Max.) L/Min	Air (Max.) NL/Min	Dimension					
			PT/NPT	L	H	A	C	B
6A	0.03~0.3	0.5~5.0	1/4"	168	110	25	145	75
10A	0.1~1.0	2~20	3/8"	168	110	25	145	75
15A	1~10	20~200	1/2"	242	165	32	210	100
20A	2~20	30~300	3/4"	290	220	42	240	140
25A	5~50	80~800	1"	295	230	46	250	140

Ordering Information

M-Type	Code	Model				Code	Seal Material				
	MS	Wetted parts are stainless steel		MV	Wetted parts are plastic		(1) NBR (2) Viton (3) Teflon				
		Code	Size				Code	Protection Supporter Material			
			(1) 6A (2) 10A (3) 15A (4) 20A (5) 25A					(1) SS304 (2) SS316			
		Code	Connection Rating				Code	Flow Range			
			(1) NPT (2) PT (3) option				L	0.03~50 L/min for liquid			
		Code	Body Material				G	0.5~800 NL/min for gases			
			(1) SS304 (2) SS316 (3) SS316L (4) P.V.C				Code	Flow Direction			
			(5) P.P (6) PVDF (7) Option				1	Horizontal ⇄			
		Code	Indicating Tube Material				2	Vertical ↑↓			
			(1) Glass (2) PC				Code	Alarm Switch			
		Code	Float Material				1R	One setting point			
			(1) SS304 (2) SS316				2R	Two setting point			
			(3) P.V.C (4) P.P (5) PVDF				0	Without alarm			
			(6) Teflon (0) option								
M-Type						+					