

VARIABLE AREA TYPE FLOW METER (ROTAMETER)

N-TYPE

Operation Principle

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

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: Metal: 100°C; Plastic: 60°C
- Max. working pressure:
 - (1) Body material: NS: 15 kg/cm², NI: 15 kg/cm², NV: 6 kg/cm²
 - (2) Glass tube: Borosilicate glass 6 kg/cm² for 10A~50A; 5 kg/cm² for 65A~80A; 4 kg/cm² for 100A~150A;
 - (3) P.C tube: 10 kg/cm², Instant pressure: 15 kg/cm²

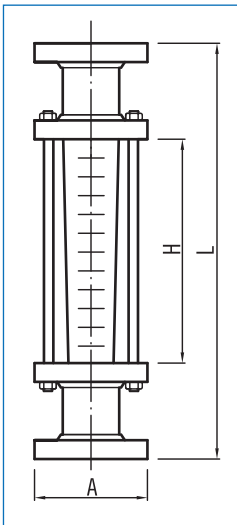
C. Alarm Switch Available (N.O)

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

D. Accuracy: $\pm 2.5\%$ F.S



Dimensions



unit=mm

Range Size	H ₂ O (Max.) L/Min	Air (Max.) NL/Min	Dimension			
			Flange	L	H	A
10A	0.1~1.0	2~20	3/8"	230	103	—
15A	1~10	20~200	1/2"	280	160	—
20A	2~20	30~300	3/4"	340	190	—
25A	5~50	100~1000	1"	340	190	—
32A	10~100	200~2000	1 1/4"	350	205	—
40A	20~200	300~3000	1 1/2"	350	205	—
50A	40~400	500~5000	2"	350	205	—
65A	60~600	600~6000	2 1/2"	350	205	—
80A	80~800	900~9000	3"	410	250	—
100A	100~1000	1500~15000	4"	430	260	—
125A	200~2000	3000~30000	5"	460	260	—

Ordering Information

N-Type	Code	Model	Code	Float Material
↓	NS	Wetted parts are stainless steel	↓	(1) SS304 (2) SS316 (3) P.V.C (4) P.P.
	NI	Wetted parts are steel		(5) PVDF (6) Teflon (0) option
	NV	Wetted parts are plastic		Code Seal Material
	Code Size			(1) NBR (2) Viton (3) Teflon
	(1) 10A (2) 15A (3) 20A (4) 25A (5) 32A (6) 40A			Code Protection Supporter Material
	(7) 50A (8) 65A (9) 80A (10) 100A (11) 125A			(1) SS304 (2) SS316
	Code Connection Rating			Code Flow Range
	(1) JIS 5K (2) JIS 10K (3) ANSI 150# (4) ANSI 300#			L 0.1~3000 L/min for liquid
	Code Body Material			G 2~50000 NL/min for gases
	(1) SS304 (2) SS316 (3) SS316L (4) P.V.C			Code Alarm Switch
(5) P.P (6) PVDF (7) Option		1R One setting point		
Code Indicating Tube Material		2R Two setting point		
(1) Borosilicate glass (2) PC		0 Without alarm		
N-Type			+	