VARIABLE AREA TYPE FLOW METER (ROTAMETER)

NP-TYPE

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.

Technical Data

A. Measuring The Flow Rate For

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

B. Service Condition

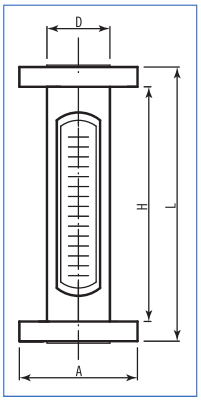
- Viscosity: ≤ 3 cP
- Max.working temperature Metal: 100°C; Plastic: 60°C
- Max.working pressure
  (1) Body material: NPS: 15 kg/cm², NPI: 15 kg/cm², NPV: 6 kg/cm²
  (2) Glass tube: Borosilicate glass 6 kg/cm²
  (3) P.C tube: 10 kg/cm², Instant pressure: 15 kg/cm²

C. Alarm Switch Available (N.O)

- Switch rating: AC 125V 0.5A / DC 100V 10W / Max. DC 250V < 40mA

D. Accuracy: ±2.5%F.S

Dimensions



unit=mm

Size \ Range	H_2O (Max.) L/Min	Air (Max.) NL/Min	Dimension				
			Flange	L	H	A	D
10A	0.1~1.0	2~20	3/8"	175	145	–	–
15A	1~10	20~200	1/2"	230	200	–	–
20A	2~20	30~300	3/4"	260	230	–	–
25A	5~50	100~1000	1"	265	230	–	–
32A	10~100	200~2000	1¼"	280	245	–	–
40A	20~200	350~3500	1½"	280	245	–	–
50A	40~400	500~5000	2"	285	245	–	–

Ordering Information

NP-Type	Code	Model
	NPS	Wetted parts are stainless steel
	NPI	Wetted parts are steel
	NPV	Wetted parts are plastic

Code	Size
	(1) 10A (2) 15A (3) 20A (4) 25A (5) 32A (6) 40A (7) 50A

Code	Connection Rating
	(1) JIS 5K (2) JIS 10K (3) ANSI 150# (4) DIN PN10

Code	Body Material
	(1) SS304 (2) SS316 (3) SS316L (4) P.V.C
	(5) P.P (6) PVDF (7) Option

Code	Indicating Tube Material
	(1) Borosilicate glass (2) PC

Code	Float Material
	(1) SS304 (2) SS316 (3) P.V.C (4) P.P.
	(5) PVDF (6) Teflon (0) option

Code	Seal Material
	(1) NBR (2) Viton

Code	Protection Supporter Material
	(1) SS304 (2) SS316 (3) Acrylic Plastic

Code	Flow Range
L	0.1~400 L/min for liquid
G	2~5000 NL/min for gases

Code	Alarm Switch
1R	One setting point
2R	Two setting point
0	Without alarm

NP-Type						+					