VARIABLE AREA TYPE FLOW METER (ROTAMETER)
NR-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

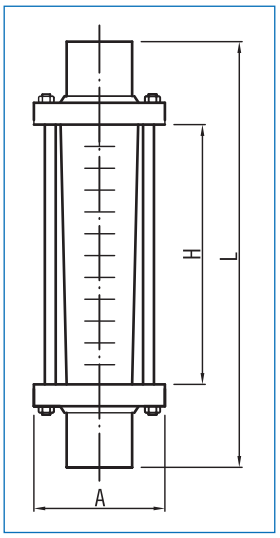
A. Measuring The Flow Rate For
- Gases & Liquid
- Chemical process system
- Water treatment system
- Industrial flow system

B. Service Condition
- Viscosity: ≤ 3 cP
- Max working temperature: Metal: 100˚C; Plastic: 60˚C
- Max working pressure:
  (1) Body material: NRS: 15 kg/cm², NRI: 15 kg/cm², NRV: 6 kg/cm²
  (2) Glass tube: 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 <1mA

D. Accuracy: ±2.5% F.S

Dimensions



unit=mm

Range / Size	H_2O (Max.) L/Min	Air (Max.) NL/Min	Dimension			
			Flange	L	H	A
6A	0.03~0.3	0.5~5.0	1/4"	170	103	–
10A	0.1~1.0	2~20	3/8"	170	103	–
15A	1~10	20~200	1/2"	240	160	–
20A	2~20	30~300	3/4"	280	190	–
25A	5~50	100~1000	1"	280	190	–
32A	10~100	200~2000	1¼"	300	205	–
40A	20~200	300~3000	1½"	330	205	–
50A	40~400	500~5000	2"	350	205	–

Ordering Information

NR-Type	Code	Model
	NRS	Wetted parts are stainless steel
	NRI	Wetted parts are steel
	NRV	Wetted parts are plastic

Code	Size
	(1) 6A (2) 10A (3) 15A (4) 20A
	(5) 25A (6) 32A (7) 40A (8) 50A

Code	Connection Thread
	(1) PT Male (2) PT Female (3) NPT Male (4) NPT Female

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) 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 (3) Teflon

Code	Protection Supporter Material
	(1) SS304 (2) SS316

Code	Flow Range
L	0.03~400 L/min for liquid
G	0.5~5000 NL/min for gases

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

NR-Type [ ][ ][ ][ ][ ][ ] + [ ][ ][ ][ ][ ]

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