VARIABLE AREA TYPE FLOW METER (ROTAMETER)

N-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

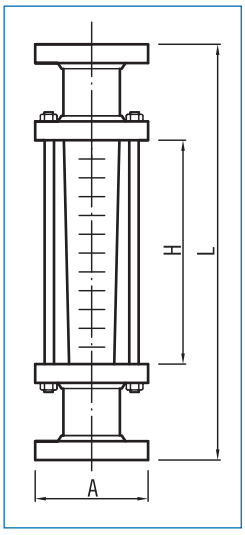
A. Measuring The Flow Rate For
- Gases & Liquid
- Chemical process system
- Water treatment system
- Industrial flow system

B. Service Condition
- Viscosity: ≤ 3 cP
- Max working temperature: Metal: 100˚C; Plastic: 60˚C
- Max working pressure:
  (1) Body material: NS: 15 kg/cm², NI: 15 kg/cm², NV: 6 kg/cm²
  (2) Glass tube: 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: ±2.5% F.S

Dimensions



unit=mm

Range / Size	H_2O (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	1¼”	350	205	–
40A	20~200	300~3000	1½”	350	205	–
50A	40~400	500~5000	2”	350	205	–
65A	60~600	600~6000	2½”	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
	NS	Wetted parts are stainless steel
	NI	Wetted parts are steel
	NV	Wetted parts are plastic

Code	Size
	(1) 10A (2) 15A (3) 20A (4) 25A (5) 32A (6) 40A
	(7) 50A (8) 65A (9) 80A (10) 100A (11) 125A

Code	Connection Rating
	(1) JIS 5K (2) JIS 10K (3) ANSI 150# (4) ANSI 300#

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	0.1~3000 L/min for liquid
G	2~50000 NL/min for gases

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

N-Type						+					

WWW.NEW-FLOW.COM • TEL: 886-7-8135500 • FAX: 886-7-8225588 • Email: info@new-flow.com