

VARIABLE AREA TYPE FLOW METER (ROTAMETER)

NR-TYPE

Operation Principle

The variable area flow meter contains a float & taper tube. The fluid flows 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: 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

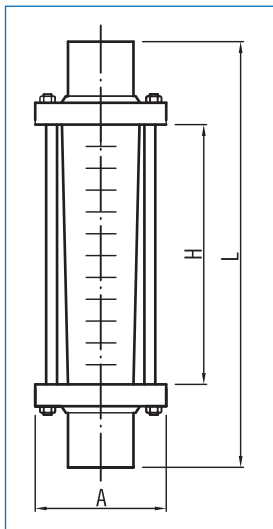
C. Alarm Switch Available (N.O)

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

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



Dimensions



unit=mm

Range Size	H ₂ O (Max.) L/Min	Air (Max.) NL/Min	Dimension			
			Flange	L	H	A
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	1 1/4"	300	205	—
40A	20~200	300~3000	1 1/2"	330	205	—
50A	40~400	500~5000	2"	350	205	—

Ordering Information

NR-Type	Code	Model	Code	Float Material
	NRS	Wetted parts are stainless steel		(1) SS304 (2) SS316 (3) P.V.C (4) P.P.
	NRI	Wetted parts are steel		(5) PVDF (6) Teflon (0) option
	NRV	Wetted parts are plastic		
		Code Size		Code Seal Material
		(1) 6A (2) 10A (3) 15A (4) 20A		(1) NBR (2) Viton (3) Teflon
		(5) 25A (6) 32A (7) 40A (8) 50A		Code Protection Supporter Material
		Code Connection Thread		(1) SS304 (2) SS316
		(1) PT Male (2) PT Female (3) NPT Male (4) NPT Female		Code Flow Range
		Code Body Material		L 0.03~400 L/min for liquid
		(1) SS304 (2) SS316 (3) SS316L (4) P.V.C		G 0.5~5000 NL/min for gases
		(5) P.P (6) PVDF (7) Option		Code Alarm Switch
		Code Indicating Tube Material		1R One setting point
		(1) Glass (2) PC		2R Two setting point
				0 Without alarm
NR-Type			+	