

VARIABLE AREA TYPE FLOW METER (ROTAMETER)

KB TYPE

Operation Principle

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

Application

A. Measuring the flow rate for:

- Chemical process system
- Water treatment system
- Industrial flow system

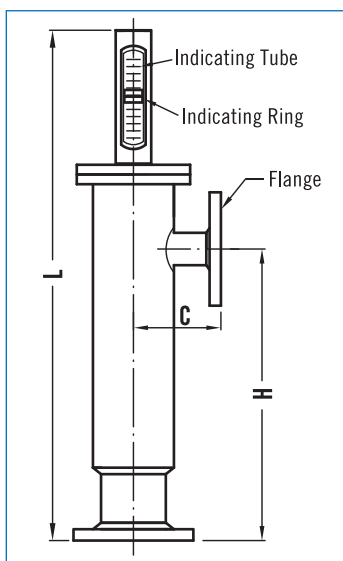
B. Service Condition:

- Viscosity: ≤100cP
- Max. working temperature: 150°C
- Max. working pressure: 100 kg/cm² (according to flange rating)

Approvals:



Dimensions



Standard Range Table & Dimensions

unit=mm

Size	Range	H2O (max.) M ³ /H	AIR (max.) Nm ³ /H	DIMENSION			
				L	H	C	Flange
15A	0.06 ~ 0.6		1 ~ 12	380	200	80	½"
20A	0.12 ~ 1.2		2 ~ 20	380	200	80	¾"
25A	0.3 ~ 3		5 ~ 50	400	210	80	1"
32A	0.6 ~ 6		10 ~ 100	400	210	80	1¼"
40A	1.2 ~ 12		20 ~ 200	400	210	100	1½"
50A	2 ~ 20		30 ~ 300	430	220	100	2"
65A	3 ~ 30		40 ~ 400	430	220	100	2½"
80A	5 ~ 50		50 ~ 500	580	300	120	3"
100A	7 ~ 70		60 ~ 600	720	400	150	4"
125A	10 ~ 100		80 ~ 800	800	430	180	5"
150A	15 ~ 150		100 ~ 1000	850	450	200	6"

Ordering Information

KB-TYPE	Code	Model	Code	Float Material
	KBS	stainless steel wetted parts		(1) SS304 (2) SS316
		Code Size		Code Seal Material
		(1) 15A (2) 20A (3) 25A (4) 32A (5) 40A (6) 50A		(1) NBR (2) Viton (3) Teflon
		(7) 65A (8) 80A (9) 100A (10) 125A (11) 150A		Code Protection Supporter Material
		Code Connection Rating		(1) SS304 (2) SS316
		(1) JIS 10K (2) JIS 20K (3) ANSI 150#		Code Fluid
		(4) ANSI 300# (5) DIN PN40		L for liquid
		Code Body (wetted parts) Material		G for gas
		(1) SS304 (2) SS316		Code Flow Range
		(3) Option		Please directly fill out the flow range in the order code.
		Code Indicating Tube Material		
		(1) Borosilicate glass (2) PC		
KB-TYPE			+	