

Glass tube flowmeter

Model : F803

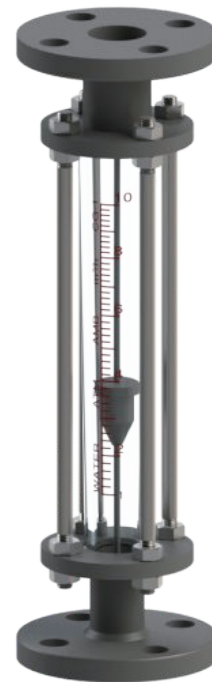
Spec. sheet no. FD08-03

Description

They can be used to measure the instantaneous flowrate of liquids or gases in various applications.

They are designed to be installed into vertical lines.

Especially, they are suitable for chemical and corrosive applications due to the material of main parts.



Features

- Simple construction and Economical price
- Easy of installation and maintenance
- The Material of Main parts : PVC

Specification

Measuring

Liquid, Gas

Temperature

Max.60 °C

Meter size

15A (½") ~ 100A (4")

Connection

Flange connection (JIS / ANSI / DIN / Other)

Screw connection (Size: ½"~ 2½")

Material

Body : PVC

Float : PVC, PTFE, PE, ACETAL

Packing : NBR, VITON, EPDM

Taper tube : PYREX GLASS

Pressure rating

Max.5 kgf/cm²

Accuracy

±3.0 % of full scale

WISE[®]

1. Base model

F803 Glass tube flowmeter

2. Flow direction type

1 Bottom to Top

3. Meter size

15 15A (½")
20 20A (¾")
25 25A (1")
32 32A (1¼")
40 40A (1½")
50 50A (2")
65 65A (2½")
80 80A (3")
100 100A (4")

4. Connection (FF)

J JIS 10K
A ANSI 150 Lb
D DIN PN16
P Screw : PT
N Screw : NPT
O Others

5. Body material

PV PVC
UP UPVC
CP CPVC
O Others

6. Option

N None

Sample ordering code

1	2	3	4	5	6
F803	1	15	J	PV	N

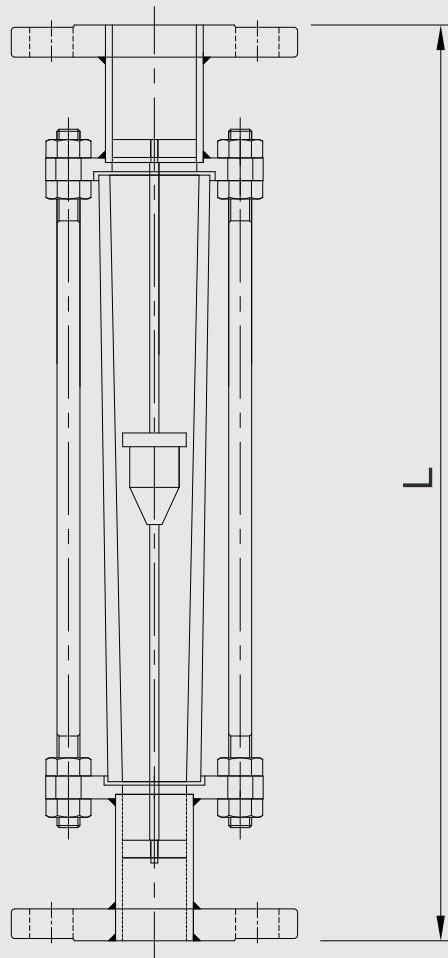
Flow chart

Size \ Float	Flow rate H ₂ O (m ³ /h)	Measuring range		Pressure loss (mmH ₂ O)		Max. Pressure (kgf/cm ²)
		Liquid (m ³ /h)	Gas (Nm ³ /h)	H ₂ O	Gas	
	PVC	PVC	PVC Acetal PTFE			
15A (½")	0.08 ~ 0.8	0.03 ~ 0.3 0.15 ~ 1.5	0.3 ~ 3 1.2 ~ 12	100	20	5
20A (¾")	0.12 ~ 1.2	0.03 ~ 0.3 0.15 ~ 1.5	0.3 ~ 3 2 ~ 20	200	30	5
25A (1")	0.25 ~ 2.5	0.1 ~ 1 0.35 ~ 3.5	1 ~ 10 4 ~ 40	250	40	4
32A (1¼")	0.45 ~ 4.5	0.25 ~ 2.5 0.6 ~ 6	2 ~ 20 7 ~ 70	300	50	4
40A (1½")	0.8 ~ 8	0.3 ~ 3 1.0 ~ 10	3 ~ 30 12 ~ 120	350	60	4
50A (2")	1.2 ~ 12	0.8 ~ 8 1.5 ~ 15	3.5 ~ 35 15 ~ 150	400	100	3
65A (2½")	2 ~ 20	1.2 ~ 12 2.5 ~ 25	6 ~ 60 30 ~ 300	400	100	3
80A (3")	3 ~ 30	1.6 ~ 16 4 ~ 40	10 ~ 100 50 ~ 500	500	150	2
100A (4")	5 ~ 50	3 ~ 30 6 ~ 60	15 ~ 150 70 ~ 700	500	150	2

Material table

Part list	Material
Body	PVC
Flange	PVC
Float	PVC, PTFE, PE, ACETAL
Taper tube	PYREX GLASS
Guide rod	304SS / 316SS
Packing	NBR, VITON, EPDM
Stay bolt	304SS
Nut	304SS

Dimension



(Bottom → Top)

Size	L
15A (1/2")	360
20A (3/4")	360
25A (1")	400
32A (1 1/4")	420
40A (1 1/2")	440
50A (2")	480
65A (2 1/2")	550
80A (3")	620
100A (4")	740