

# Glass tube flowmeter

## Model : F804

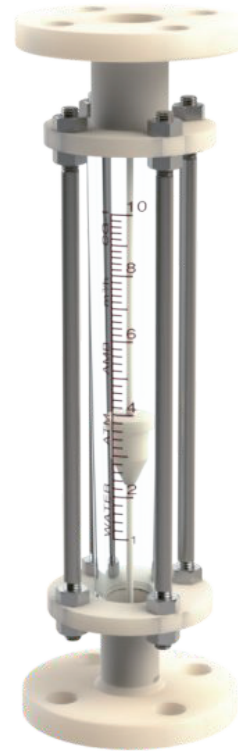
Spec. sheet no. FD08-04

### 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 : PTFE

## Specification

### Measuring

Liquid, Gas

### Temperature

Max.120 °C

### Meter size

15A (½") ~ 100A (4")

### Connection

Flange connection (JIS / ANSI / DIN / Other)

Screw connection (Size: ½"~ 2½")

### Material

Body : PTFE

Float : PVC, PTFE, PE, ACETAL

Packing : NBR, VITON, EPDM, PTFE

Taper tube : PYREX GLASS

### Pressure rating

Max.5 kgf/cm<sup>2</sup>

### Accuracy

±3.0 % of full scale

**1. Base model**

**F804** 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**

**PT** PTFE  
**O** Others

**6. Option**

**N** None

**Sample ordering code**

1	2	3	4	5	6
F804	1	15	J	PT	N



© WISE Control Inc. All rights reserved. ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

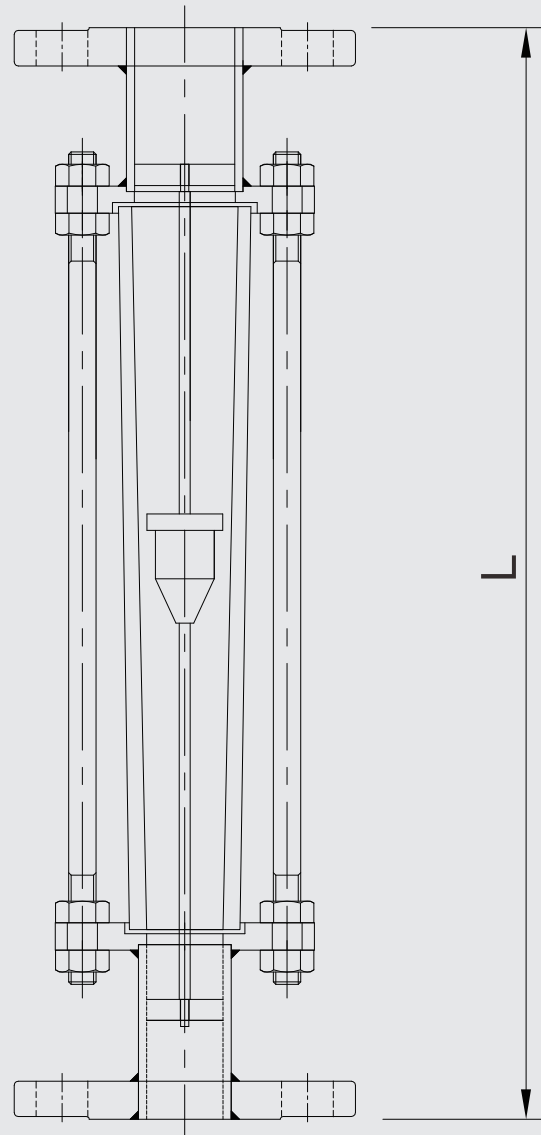
## Flow chart

Size \ Float	Flow rate H <sub>2</sub> O (m <sup>3</sup> /h)	Measuring range		Pressure loss (mmH <sub>2</sub> O)		Max. Pressure (kgf/cm <sup>2</sup> )
		Liquid (m <sup>3</sup> /h)	Gas (Nm <sup>3</sup> /h)	H <sub>2</sub> O	Gas	
	PVC	PVC PTFE PE	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	PTFE
Flange	PTFE
Float	PVC, PTFE, ACETAL
Taper tube	PYREX GLASS
Guide rod	304SS / 316SS
Packing	NBR, VITON, EPDM, PVC, PTFE
Stay bolt	304SS
Nut	304SS

## Dimension



(Bottom → Top)

Size	L
15A	360
20A	360
25A	400
32A	420
40A	440
50A	480
65A	550
80A	620
100A	740