

# Glass tube flowmeter

## Model : F810

Spec. sheet no. FD08-10

### 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. The valve is attached in F80x Series.



### Features

- Attachment : Valve
- Simple construction and Economical price
- Easy of installation and maintenance

## Specification

### Measuring

Liquid, Gas

### Temperature

Max.120 °C

### Meter size

15A (½") ~ 65A (2½")

### Connection

Flange connection (JIS / ANSI / DIN / Other)  
Screw connection (Size: 15A~ 65A)

### Material

Body : 304SS, 316SS, 316L SS  
Float : 304SS, 316SS, 316L SS, PVC, PTFE, ACETAL  
Packing : NBR, VITON, EPDM, PTFE

### Pressure rating

Max.10 kgf/cm<sup>2</sup>

### Accuracy

±3.0 % of full scale

**WISE**<sup>®</sup>

**1. Base model****F810** 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")

**4. Connection**

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

**5. Body material**

**A** 304SS  
**B** 316SS  
**C** 316L SS  
**O** Others

**6. Option****N** None**Sample ordering code**

1	2	3	4	5	6
<b>F810</b>	<b>1</b>	<b>15</b>	<b>J</b>	<b>A</b>	<b>N</b>



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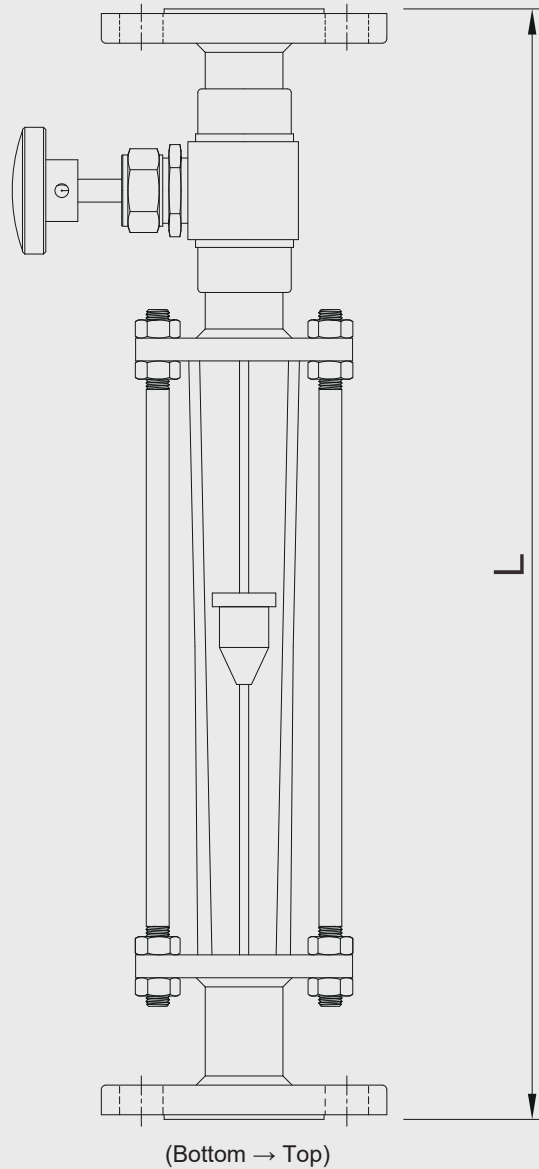
## Flow chart

Float Size	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> )
	304SS	PVC	Liquid (m <sup>3</sup> /h)		Gas (Nm <sup>3</sup> /h)		H <sub>2</sub> O	Gas	
15A (½")	0.1 ~ 1.0	0.08 ~ 0.8	0.03 ~ 0.3 0.2 ~ 2	0.03 ~ 0.3 0.15 ~ 1.5	0.3 ~ 3 1.2 ~ 12	0.3 ~ 3 2 ~ 20	100	20	10
20A (¾")	0.15 ~ 1.5	0.12 ~ 1.2	0.03 ~ 0.3 0.2 ~ 2	0.03 ~ 0.3 0.15 ~ 1.5	0.3 ~ 3 2 ~ 20	0.3 ~ 3 3 ~ 30	200	30	10
25A (1")	0.35 ~ 3.5	0.25 ~ 2.5	0.15 ~ 1.5 0.5 ~ 5	0.1 ~ 1 0.35 ~ 3.5	1 ~ 10 4 ~ 40	1.5 ~ 15 6 ~ 60	250	40	7
32A (1¼")	0.6 ~ 6	0.45 ~ 4.5	0.3 ~ 3 0.7 ~ 7	0.25 ~ 2.5 0.6 ~ 6	2 ~ 20 7 ~ 70	3 ~ 30 10 ~ 100	300	50	7
40A (1½")	1 ~ 10	0.8 ~ 8	0.35 ~ 3.5 1.2 ~ 12	0.3 ~ 3 1.0 ~ 10	3 ~ 30 12 ~ 120	4.5 ~ 45 15 ~ 150	350	60	7
50A (2")	1.5 ~ 15	1.2 ~ 12	1 ~ 10 2 ~ 20	0.8 ~ 8 1.5 ~ 15	3.5 ~ 35 15 ~ 150	5 ~ 50 2 ~ 200	400	100	5
65A (2½")	2.5 ~ 25	2 ~ 20	1.5 ~ 15 3 ~ 30	1.2 ~ 12 2.5 ~ 25	6 ~ 60 30 ~ 300	9 ~ 90 40 ~ 400	400	100	4

## Material table

Part list	Material		
Body	304SS	316SS	316L SS
Flange	304SS	316SS	316L SS
Float	304SS, 316SS, 316L SS, PVC, PTFE, ACETAL		
Taper tube	PYREX GLASS		
Packing	NBR, VITON, EPDM		
Column	304SS		
Nut	304SS		
Valve	304SS, 316SS		

## Dimension



Size	L (mm)
15A (1/2")	460
20A (3/4")	460
25A (1")	500
32A (1 1/4")	570
40A (1 1/2")	590
50A (2")	630
65A (2 1/2")	750