

# Glass tube flowmeter

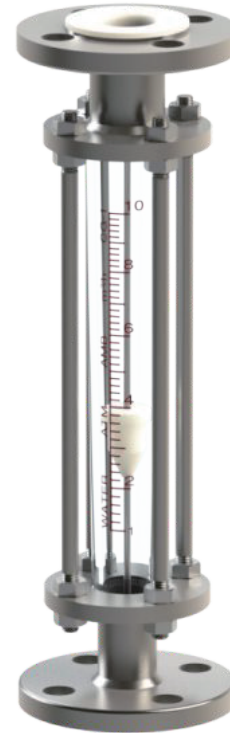
## Model : F805

Spec. sheet no. FD08-05

### 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 Teflon lines. So they are suitable for chemical and corrosive application.



### Features

- Simple construction and Economical price
- Easy of installation and maintenance
- PTFE Lining on wetted parts

### Specification

#### Measuring

Liquid, Gas

#### Temperature

Max.120 °C

#### Meter size

15A (1/2") ~ 80A (3")

#### Connection

Flange connection (JIS / ANSI / DIN / Other)  
Screw connection (Size: 15A~ 100A)

#### Material

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

#### Pressure rating

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

#### Accuracy

±3.0 % of full scale

**1. Base model**

**F805** 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")

**4. Connection (FF)**

**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>F805</b>	<b>1</b>	<b>15</b>	<b>J</b>	<b>A</b>	<b>N</b>



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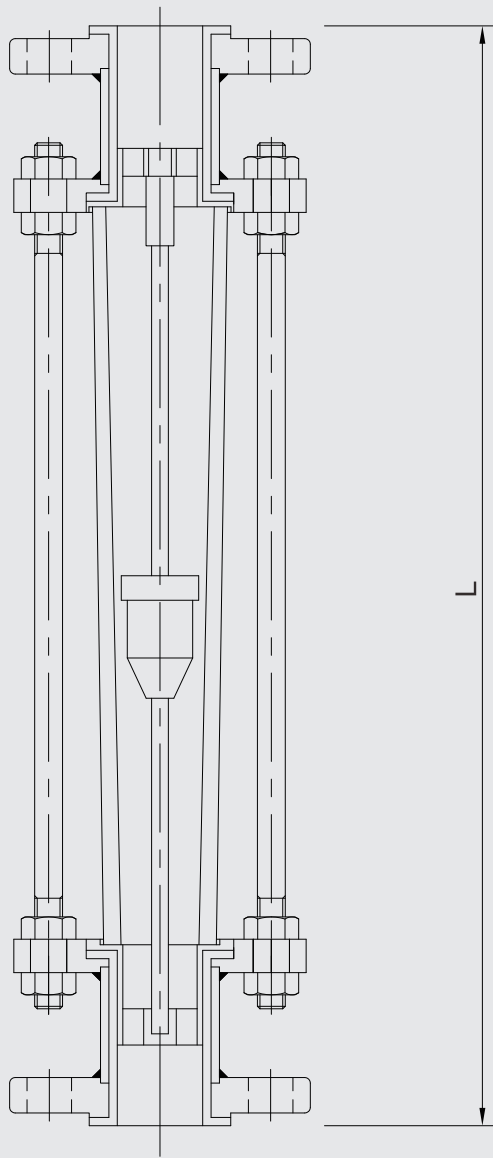
## Flow chart

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	
			304SS	PVC	PVC ACETAL PTFE	Aluminium 304SS			
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
80A (3")	4 ~ 40	3 ~ 30	2 ~ 20 5 ~ 50	1.6 ~ 16 4 ~ 40	10 ~ 100 50 ~ 500	15 ~ 150 70 ~ 700	500	150	3

## Material table

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

## Dimension



(Bottom → Top)

Size	L (mm)
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