

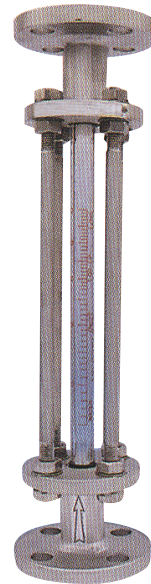
# Glass tube flowmeter

## Model : F807

Spec. sheet no. FD08-07

### Description

Glass tube rotameters without guide rod are easy for maintenance and replacement. They are typically constructed for the application for low flow rate



### Specification

#### Process connection

Screwed  
Flanged

#### Pressure rating

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

#### Size

10A ~ 50A

#### Temperature rating

Max.60°C

#### Material

Steel  
304SS  
316SS

#### Accuracy

±2.0% of full scale  
±1.0 % of full scale (Option)

**WISE**<sup>®</sup>

| F807\_01

**1. Base model****F807** Glass tube flowmeter**2. Flow direction type**

- D1** Bottom and top  
**D2** Bottom and top side  
**D3** Bottom side and top side

**3. Line size**

JIS	mm	ANSI	inch	DIN	mm
<b>J015</b>	15A	<b>A001</b>	½B	<b>D015</b>	15A
<b>J020</b>	20A	<b>A002</b>	¾B	<b>D020</b>	20A
<b>J025</b>	25A	<b>A003</b>	1B	<b>D025</b>	25A
<b>J040</b>	40A	<b>A004</b>	1½B	<b>D040</b>	40A
<b>J050</b>	50A	<b>A005</b>	2B	<b>D050</b>	50A
<b>XXXX</b>	Other	<b>XXXX</b>	Other		

**4. Screw type**

- T001** ½" (15A)  
**T002** ¾" (20A)  
**T003** 1" (25A)  
**T004** 1½" (40A)  
**T005** 2" (50A)

**5. Flange rating and connection type**

- J010** JIS 10K  
**A010** ANSI 150 Lb  
**P010** PN10  
**TPTM** PT male  
**TPTF** PT female  
**TNTM** NPT male  
**TNTF** NPT female  
**XXXX** Other

**6. Main material (See material table)**

- A** Body material / Carbon steel  
**B** Body material / 304SS  
**C** Body material / 316SS  
**O** Other

**7. Float material**

- A** Acetal  
**4** 304SS  
**5** 316SS  
**F** PTFE  
**P** PVC  
**O** Other

**8. Option**

- 10** One point alarm  
**20** Two point alarm  
**NO** None

1	2	3	4	5	6	7	8
F807	D2	J015	T001	J010	A	4	NO

Sample ordering code

## Flow chart

Float Size	Standard flow rate water (m <sup>3</sup> /h)		Measuring range				Pressure loss (mmH <sub>2</sub> O)		Pressure rating (kgf/cm <sup>2</sup> )	Dimension (mm) L
	304SS	PVC	Water (m <sup>3</sup> /h)		Air (Nm <sup>3</sup> /h)		H <sub>2</sub> O	Air		
10A	6 ~ 60	4 ~ 40	1 ~ 10 10 ~ 100	1 ~ 10 6 ~ 60	0.01 ~ 0.1 0.1 ~ 1	0.01 ~ 0.1 0.15 ~ 1.5	100	20	10	360
15A	20 ~ 200	15 ~ 150	10 ~ 100 70 ~ 700	6 ~ 60 15 ~ 150	0.1 ~ 1 0.2 ~ 2	0.15 ~ 1.5 0.3 ~ 3	100	20	10	360
20A	70 ~ 700	60 ~ 600	10 ~ 100 70 ~ 700	6 ~ 60 60 ~ 600	0.1 ~ 1 0.7 ~ 7	0.15 ~ 0.15 1 ~ 10	200	30	7	360
25A	100 ~ 1,000	80 ~ 800	80 ~ 800 120 ~ 1,200	60 ~ 600 100 ~ 1,000	0.8 ~ 8 1.2 ~ 12	1 ~ 18 1.8 ~ 18	200	30	7	400
32A	200 ~ 2,000	150 ~ 1,500	120 ~ 1,200 200 ~ 2,000	100 ~ 1,000 180 ~ 1,800	1.2 ~ 12 2 ~ 20	1.8 ~ 30 3 ~ 30	220	35	7	420
40A	300 ~ 3,000	200 ~ 2,000	200 ~ 2,000 300 ~ 3,000	150 ~ 1,500 250 ~ 2,500	2 ~ 20 3 ~ 30	3 ~ 30 4.5 ~ 45	280	45	5	440
50A	400 ~ 4,000	300 ~ 3,000	300 ~ 3,000 450 ~ 4,500	250 ~ 2,500 350 ~ 3,500	3 ~ 30 4.5 ~ 45	4.5 ~ 45 6 ~ 60	300	50	4	460

\* When the size is larger than 65A, to be consulted with a maker

## Material table

Part list	Material code		
	A	B	C
Body	Carbon steel	304SS	316SS
Flange	Carbon steel	304SS	316SS
Float	304SS / 316SS, PVC, Teflon, Acetal		
Taper tube	Pyrex glass		
Guide rod	304SS / 316SS		
Packing	NBR	NBR, Viton, EPDM	
Stay bolt	Carbon steel	304SS	
Nut	Carbon steel	304SS	

\* Guide rod can be excluded as per flow rate

## Dimension

