

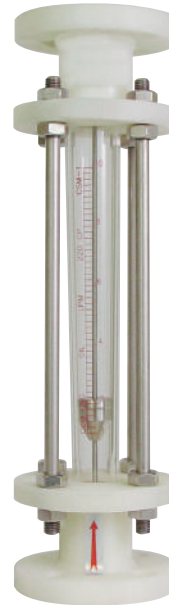
# Glass tube flowmeter

## Model : F804

Spec. sheet no. FD08-04

### Description

Rotameters with all plastic construction are available for applications where metal wetted parts cannot be tolerated, such as with deionized water or corrosives. With plastic end fittings, care must be taken in installation, not to distort the threads.



### Specification

#### Process connection

Screwed  
Flanged

#### Pressure rating

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

#### Size

15A ~ 65A  
15A ~ 100A  
(65A ~ 100A)

#### Temperature rating

Max.80°C

#### Material

PTFE

#### Accuracy

±2.0% of full scale

**1. Base model****F804** Glass tube flowmeter**2. Flow direction type**

**D1** Bottom and top  
**D2** Bottom and top side  
**D3** Bottom side and top side  
**D4** Bottom side and top

**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>J065</b>	65A	<b>A006</b>	1½B	<b>D065</b>	65A
<b>J080</b>	80A	<b>A007</b>	3B	<b>D080</b>	80A
<b>J100</b>	100A	<b>A008</b>	4B	<b>D100</b>	100A

**4. Screw type**

**T001** ½" (15A)  
**T002** ¾" (20A)  
**T003** 1" (25A)  
**T004** 1½" (40A)  
**T005** 2" (50A)  
**T006** 2½" (65A)  
**T007** 3"  
**T008** 4"  
**XXXX** Other

**4. 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

**5. Main material (See material table)****G** PTFE**6. Float material**

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

**7. Bolt and nut material**

**C** Carbon steel  
**4** 304SS

**8. Option**

**1** One point alarm  
**2** Two point alarm  
**N** None

1	2	3	4	5	6	7	8
<b>F804</b>	<b>D2</b>	<b>J015</b>	<b>J010</b>	<b>G</b>	<b>5</b>	<b>C</b>	<b>1</b>

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		
			304SS	PVC	PVC acetal teflon	Aluminium 304SS				
15A	0.1 ~ 1	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	5	360
20A	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	5	360
25A	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	4	400
32A	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	4	420
40A	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	4	440
50A	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	3	480
65A	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	3	550
80A	4 ~ 40	3 ~ 30	2 ~ 20 5 ~ 50	1.6 ~ 16 4 ~ 40	10 ~ 100 50 ~ 500	15 ~ 150 70 ~ 700	500	150	2	620
100A	6 ~ 60	5 ~ 50	5 ~ 50 7 ~ 70	3 ~ 30 6 ~ 60	15 ~ 150 70 ~ 700	20 ~ 200 100 ~ 1,000	500	150	2	740

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

## Material table

Part list	Material code
	G
Body	PTFE
Flange	PTFE
Float	PTFE
Taper tube	Pyrex glass
Guide rod	PTFE
Packing	PTFE, Viton, EPDM
Stay bolt	Steel, 304SS
Nut	Steel, 304SS

\* Guide rod can be excluded as per flow rate

## Dimension

