

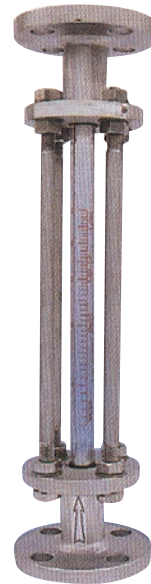
Glass tube flowmeter

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/cm²

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[®]

| F807_01

Main order

Ordering information

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
J015	15A	A001	½B	D015	15A
J020	20A	A002	¾B	D020	20A
J025	25A	A003	1B	D025	25A
J040	40A	A004	1½B	D040	40A
J050	50A	A005	2B	D050	50A
XXXX	Other	XXXX	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



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Flow chart

Float Size	Standard flow rate water (m ³ /h)		Measuring range				Pressure loss (mmH ₂ O)		Pressure rating (kgf/cm ²)	Dimension (mm) L
	304SS	PVC	Water (m ³ /h)		Air (Nm ³ /h)		H ₂ 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

