

Glass tube flowmeter

Model : F805

Spec. sheet no. FD08-05

Description

Teflon lined rotameters are also used in some designs due to high impact strength. They are available for the service of corrosion resistance.



Specification

Process connection

Flanged

Pressure rating

Max.8 kgf/cm²

Size

15A ~ 65A
65A ~ 100A

Temperature rating

Max.80 °C

Material

Stainless steel + PTFE lined

Accuracy

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

WISE[®]

| F805_01

1. Base model**F805** Glass tube flowmeter**2. Flow direction type****D1** Bottom and top**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
J065	65A	A006	1½B	D065	65A
J080	80A	A007	3B	D080	80A
XXXX	Other				

4. Flange rating and connection type

J010 JIS 10K
A010 ANSI 150 Lb
P010 PN10
XXXX Other

5. Main material (See material table)**L** Teflon lining (304SS + PTFE)**6. Float material****F** PTFE**7. Option**

10 One point alarm
20 Two point alarm
NO None

1	2	3	4	5	6	7
F805	D1	J015	J010	L	F	NO

Sample ordering code

Flow chart

Float Size	Standard flow rate water (m³/h)		Measuring range				Pressure loss (mmH ₂ O)		Pressure rating (kgf/cm ²)	Dimension (mm)
			Water (m³/h)		Air (Nm³/h)		H ₂ O	Air		L
	304SS	PVC	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	8	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	8	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	7	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	7	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	6	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	5	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	5	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	3	620

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

Material table

Part list	Material code
	L
Body	Stainless steel + Teflon lining
Flange	Stainless steel + Teflon lining
Float	Teflon
Taper tube	Pyrex glass
Guide rod	Stainless steel + Teflon lining
Packing	Teflon, Viton, EPDM
Stay bolt	304SS
Nut	304SS

* Guide rod can be excluded as per flow rate

Dimension

