

Large size glass tube flowmeter

Model : F812

Spec. sheet no. **FD08-12**

Description

The float moves up and down due to the differential pressure between upstream and downstream of the float.
The flow rate is proportional to the flowing area.
It is especially suitable for large size pipes.



Specification

Process connection

Flanged

Pressure rating

Max. 7 kgf/cm²

Size

65A ~ 200A

Temperature rating

Max. 120 °C

Material

Steel
304SS
316SS

Accuracy

±3.0 % of full scale
±1.0 % of full scale (Option)

WISE[®]

| F812_01

1. Base model**F812** Large size glass tube flowmeter**2. Flow direction type****D1** Bottom and top**3. Line size**

JIS	mm	ANSI	inch	DIN	mm
J065	65A	A006	2½B	D065	65A
J080	80A	A007	3B	D080	80A
J100	100A	A008	4B	D100	100A
J125	125A	A009	5B	D125	125A
J150	150A	A010	6B	D150	150A
J200	200A	A011	8B	D200	200A
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)

B Body material / 304SS
C Body material / 316SS
D Body material / 316L SS

6. Float material

4 304SS
5 316SS
6 316L SS

7. Option

10 One point alarm
20 Two point alarm
NO None

1	2	3	4	5	6	7	
F812	D1	J065	J010	B	5	NO	Sample ordering code

Flow chart

Size	Flow rate H ₂ O (m ³ /h)	Measuring range liquid (m ³ /h)	Pressure loss (mmH ₂ O)	Max. pressure (kgf/cm ²)	Dimension (mm)
65A	2.5 ~ 25	1.5 ~ 30	400	5	470
80A	4 ~ 40	2 ~ 50	500	4	530
100A	6 ~ 60	5 ~ 70	500	3	600
125A	10 ~ 100	7 ~ 120	600	3	600
150A	14 ~ 140	12 ~ 150	600	3	600
200A	20 ~ 200	15 ~ 280	700	3	700

Material table

Part list	Material code		
	B	C	D
Body	304SS	316SS	316L SS
Flange	304SS	316SS	316L SS
Float	304SS, 316SS, 316L SS		
Guide rod	304SS, 316SS		
Packing	NBR, Viton, EPDM, Teflon		
Tube	Tempered glass / Acryl (Option with protective cover)		
Column	304SS		
Nut	304SS		

* Guide rod can be excluded as per flow rate

Dimension

