

Glass tube flowmeter with flow control valve

Model : F810

Spec. sheet no. **FD08-10**

Description

It has an additional function by adding contact switches to operate on/off valve or activate alarm.



Specification

Process connection

Screwed
Flanged

Pressure rating

Max. 10 kgf/cm²

Size

15A ~ 65A

Temperature rating

Max. 120°C

Material

Steel
304SS
316SS

Accuracy

±2.0% of full scale

Main order

Ordering information

1. Base model

F810 Glass tube flowmeter with flow control valve

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
J065	65A	A006	2½B	D060	60A

4. Screw type

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

5. Flange rating and connection type

J010 JIS 10K
A010 ANSI 150 Lb
P010 PN10
TPTM PT male
TNTM NPT male
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
F810	D2	J015	T001	J010	B	4	NO

Sample ordering code

Flow chart

Float Size	Standard flow rate water (m³/h)		Measuring range				Pressure loss (mmH₂O)		Pressure rating (kgf/cm²)	Dimension (mm)
			Water (m³/h)		Air (Nm³/h)					L
	304SS	PVC	304SS	PVC	PVC acetal teflon	Aluminium 304SS	H₂O	Air		
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	10	460
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	10	460
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	500
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	570
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	7	590
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	630
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	4	750

* 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		
Packing	NBR	NBR, Viton, EPDM	
Stay bolt	Carbon steel	304SS	
Nut	Carbon steel	304SS	
Valve	Carbon steel	304SS / 316SS	

* Guide rod can be excluded as per flow rate

Dimension

