

# 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/cm<sup>2</sup>

#### Size

15A ~ 65A

#### Temperature rating

Max. 120°C

#### Material

Steel  
304SS  
316SS

#### Accuracy

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

**WISE**<sup>®</sup>

| F810\_01

## 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
<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>	2½B	<b>D060</b>	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
<b>F810</b>	<b>D2</b>	<b>J015</b>	<b>T001</b>	<b>J010</b>	<b>B</b>	<b>4</b>	<b>NO</b>

Sample ordering code



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## 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		
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

