150F

| Plain	**Flap**	Ball	Spinner
Stainless	Mica plate	Protective wire mesh	With protective cover

■Features

1. Variation in flow rate can be checked easily with flap and scale plates.
2. Pressure loss caused by the fluid flow is as low as 0.01 MPa even when the flap shows the maximum flow rate, and does not affect the pressure of the fluid.
3. Can be connected to horizontal/vertical piping.
4. Mica plate is required for steam condensate.
5. The 150F Series sight glass come in a variety of materials, including ductile cast iron and cast stainless steel, which are available to choose from.
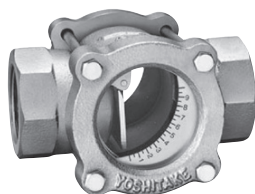
150F-13S
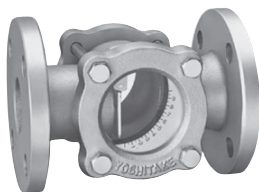
150F-F·150F-13F

■Specifications

Model		150F-F	150F-13S	150F-13F
Application		Cold and hot water, Oil, Other non-dangerous fluids		
Nominal size		65A-150A	15A-50A	15A-100A
Maximum working pressure		1.0 MPa		
Max. temperature		150°C		
Max. thermal shock		100°C		
Material	Body	Ductile cast iron	Cast stainless steel	
	Glass	Hardened glass		
	Flap	Stainless steel		
Connection		JIS 10K FF flanged	JIS Rc screwed	JIS 10K FF flanged

· Available with mica plate for steam condensate (150FM-13S, 150FM-13F from 15A to 50A). However, maximum allowable working pressure is 0.6 MPa.
· Available with protector (150FP-□□S·□□F).
· Glass part is consumable parts.

## ■Dimensions (mm) and Weights (kg)
· 150F-13S

Nominal size	d	L	W	Weight
15A	Rc 1/2	76	35	0.75
20A	Rc 3/4	89	35	0.84
25A	Rc 1	114	44	1.6
32A	Rc 1-1/4	127	53	2.4
40A	Rc 1-1/2	140	57	3.0
50A	Rc 2	162	73	5.9

· 150F-F·150F-13F

Nominal size	d	L	W	Weight 150F-F	Weight 150F-13F
15A	15	130	35	-	2.14
20A	20	130	35	-	2.49
25A	25	150	44	-	4.2
32A	32	160	53	-	5.5
40A	40	170	57	-	5.7
50A	50	200	73	-	9.8
65A	65	235	97	15.1	16.4
80A	73	235	97	15.5	16.9
100A	100	277	130	27.0	29.7
125A	125	336	155	37.3	-
150A	140	380	165	62.0	-

* For 150F-F, it is available from 65A to 150A. For 150F-13F, it is available from 15A to 100A.

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Sight Glass/Flow Meter

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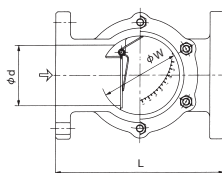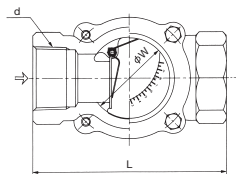
■Flow Rate Characteristics Chart (For Water, Horizontal Piping)
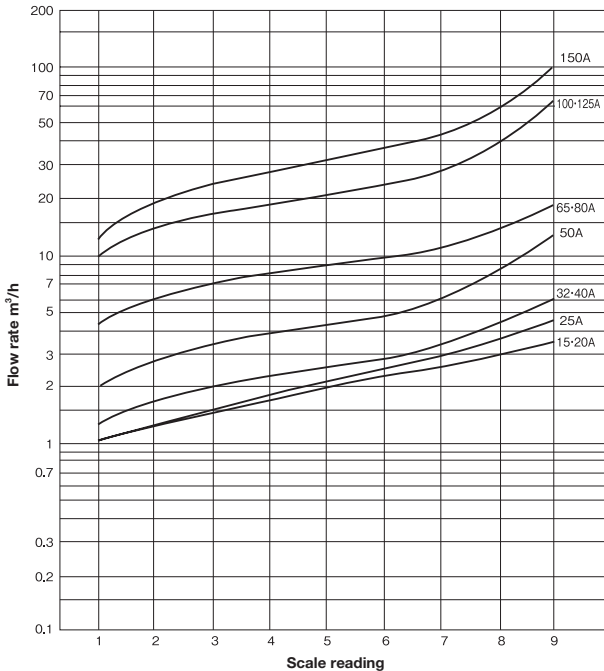
· The flow characteristics shown in the chart are just for reference and cannot be used for actual measurement.

Sight glass model (type 150) code

1 5 0 □□ □□□

S: Screwed
F: Flanged

None: FCD450
13: SCS13

None: Without protector
M: With mica plate
P: With protector

L: Plain type
F: Flap type

150 Series

Sight Glass/Flow Meter

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