

F101- New 168mm middle size pipe size 1/2" F101 series



Product Features · Use

- 4 design innovations to improve usability:
 New body design: Decreases the vibration when working which stabilises flow distribution./ New indicator design: Easily adjustable and positionable./ Thickened threads for caps: Caps are easy to be locked even under bad concentricity./ Models with and without guide rods are able to share the same adaptors.
- Patented dual-indicator design for easy and clear flow range management.
- Laser engraved degree scales provide better readability and longer life.
- Available in customizable units, temperature, and molecular weight.

Standard Specs

- Model: F101PC, F101PSU, F101H PSU
- Adaptor Size: 1/2"
- Applicable Fluid: Liquid
- Flow direction: From the bottom up
- Fluid Temperature: 50°C (Standard: UPVC adaptor)
 60°C (PP adaptor)
 70°C(PVDF adaptor)
- Working Pressure: 5.0 kg/cm² MAX
- Full Scale Accuracy: ±5% F.S.
- Product Material _____
 Body - PC, PSU
 Float - Stainless 316, Hastelloy C
 Guide Rod - Stainless 316, Ti, Hastelloy C
 Guide Rod Bottom - PP, FRPP
 Adaptor - Welding Type: UPVC
 Male, Female Thread: UPVC, PVDF
 Butt-fusion Adaptor: PP
 Union Nuts - UPVC, Aluminum
 O-ring - EPDM, VITON
- Adaptor Material _____
 Welding Type, Male Thread, Female Thread,
 Butt-fusion Adaptor
 ※ BSPT is standard thread type. NPT is available for custom order.

Scale Range

Product Code	Scale Range* 1 ※ 2 (L/min)
F101-2LPM	0.2-2.0 / S, H
F101-5LPM	0.5-5.0 / S, H
F101-10LPM	1.0-10 / S, H
F101-15LPM	1.5-15 / S, H
F101-20LPM	2.0-20 / S, H

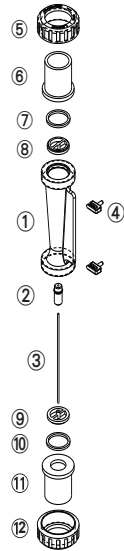
※ 1.Liquid flow meters are calibrated for 20°C water.
 ※ 2."/ "float material, S- Stainless 316, H- Hastelloy C.

Maximum working temperature for different adaptor materials

Adaptor Types	Maximum working temperature materials		
	~ 50°C	~ 60°C	~ 70°C
Welding Type	UPVC	-	-
Male / Female Thread	UPVC	-	PVDF
Butt-fusion Adaptor	-	PP	-

※ When maximum working temperature is over 50°C, the material for guide rod bottom and union nuts have to be PSU and aluminium.

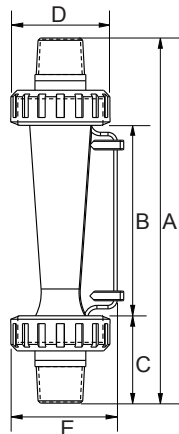
Parts Material



No.	Series	Material (Main material)*			
		1	2	3	4
1	Body	PC	PC	PSU	PSU
2	Float	S316	S316	Hastelloy C	Hastelloy C
3	Guide Rod	S316	S316	Ti	Hastelloy C
4	Pointer	PP	PP	PP	PP
5,12	Union Nuts	UPVC	UPVC	UPVC	Aluminum
6,11	Adaptor	UPVC	UPVC	UPVC	UPVC
7,10	O-ring	EPDM	VITON	VITON	VITON
8,9	Guide Rod Bottom	PP	PP	PP	PP

* Material for different parts is optional for each flowmeter.

Parts Size



Adaptor Material	A	B	C	D	E
1/2" Male Thread	164	85	39.5	43	49.5
1/2" Female Thread	166	85	40.5	43	49.5
1/2" JIS	166	85	40.5	43	49.5

Unit: mm

Specification inquiry (F101)

* Contact us with below information.

- Fluid - Water Other _____
- Specific gravity - Standard-1.0 Other _____
- Pressure - Standard-5.0kg/cm² Other ___ kg/cm²
- Temperature - Normal temperature Other ___ °C
- Scale Range - _____ L/min ~ _____ L/min
- Adaptor Size - 3/4" JIS Other _____
- Adaptor Material - Welding Type Male Thread
 Female Thread Butt-fusion Adaptor
 Other _____
- Material
 - 1 Body PC 2 Body PSU
 - 3 Body PSU Hastelloy C Float, Ti Guide Rod
 - 4 Body PSU Hastelloy C Float & Guide Rod
Adaptor PSU (for high working temperature)
 - 5 Other
Specs besides above listed information _____