

F301- New 270mm large size pipe size 3/4"-1"

F301 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: F301PSU, F301H PSU
- Adaptor Size: 3/4", 1"
- Applicable Fluid: Liquid
- Flow direction: From the bottom up
- Engraved degree scales: Laser engraved degree scales
- Fluid Temperature: 50°C (Standard: UPVC adaptor)
60°C (PP adaptor)

- Working Pressure: 5.0 kg/cm²

- Full Scale Accuracy: ±5% F.S.

- Product Material

Body - PSU

Float - Stainless 316, Hastelloy C

Guide Rod - Stainless 316, Hastelloy C

Guide Rod Bottom - PP

Adaptor - Welding Type: UPVC

Male, Female Thread: UPVC, PP

Butt-fusion Adaptor: PP

Union Nuts - UPVC

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)
F301 - 20LPM	2.0-20 / S, H
F301 - 30LPM	3.0-30 / S, H
F301 - 50LPM	5.0-50 / S, H
F301 - 80LPM	8.0-80 / S, H
F301 - 100LPM	10-100 / S, H

※ 1.Liquid flow meters are calibrated for 20°C water.

※ 2. " / "float material, S- Stainless 316, H- Hastelloy C.

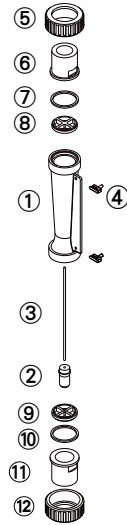
Maximum working temperature for different adaptor materials

Adaptor Types	Maximum working temperature materials		
	~ 50°C	~ 60°C	~ 100°C
Welding Type	UPVC	-	-
Male / Female Thread	UPVC	PP	-
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.

※ If the maximum working temperature requirement of the adaptor is over 60°C, please contact LORRIC directly.

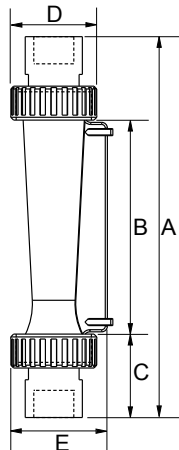
Parts Material



No.	Series	Material (Main material)*			
		1	2	3	4
1	Body	PSU	PSU	PSU	PSU
2	Float	S316	S316	Hastelloy C	PVC
3	Guide Rod	S316	S316	Ti	Hastelloy C
4	Pointer	PP	PP	PP	PP
5,12	Union Nuts	UPVC	UPVC	UPVC	UPVC
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"Male Thread	270	153	58.5	61	69
1"Female Thread	270	153	58.5	61	69
1" JIS	255	153	51	61	69
PP OD33 ID25.2	254	153	50.5	61	69
3/4"Male Thread	256	153	51.5	61	69
3/4" JIS	260	153	53.5	61	69

Unit: mm

Specification inquiry (F301)

※ 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 - ☐ 1" 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 _____