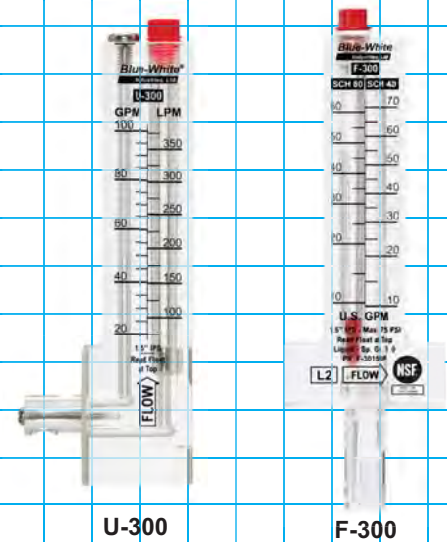


F-300 U-300 D-300

Clamp-on Insertion Mount



U-300

F-300

Features:

- 1" through 8" pipe sizes.
- Flow rates from 4 to 1900 GPM (15 to 7200 LPM).
- Resistant PVDF internal float materials.
- One piece machined acrylic body.

- Mounts to existing pipe. No unions or adapters required.
- Models for mounting on horizontal or vertical pipe.
- Mounting clamps and gasket included.
- NSF Listed

Specifications:

Pipe Requirements: IPS inch pipe size (ASTM-D-1785)

Max. Psi (bar):75 PSI (5.2 bar) @ 70° F (21° C)

Fluid temp. range:0° to 190° F / -18° to 88° C @ 0 PSI

Ambient temp. range:0° to 110° F / -18° to 43° C

Note: Temperature & Pressure ratings of meter only. Actual pipe rating may vary.

Accuracy:.....1", 1.25", 1.5" and 2" pipe size: 5% of rate
2.5", 3", 4", 6", and 8" pipe size: 10% of rate

Power requirement:No power required

Enclosure:NEMA 4X (IP56)

Approximate shipping wt:1"-4" units: 1 lb. (.45 kg)
6"-8" units: 2 lb. (.91 kg)

Materials of Construction:

Meter Body:Cast Acrylic

Float:PVDF

Gasket:.....Neoprene

Pipe Clamp:316 series Stainless Steel

Installation Requirements:

Minimum Straight Pipe Length Requirements

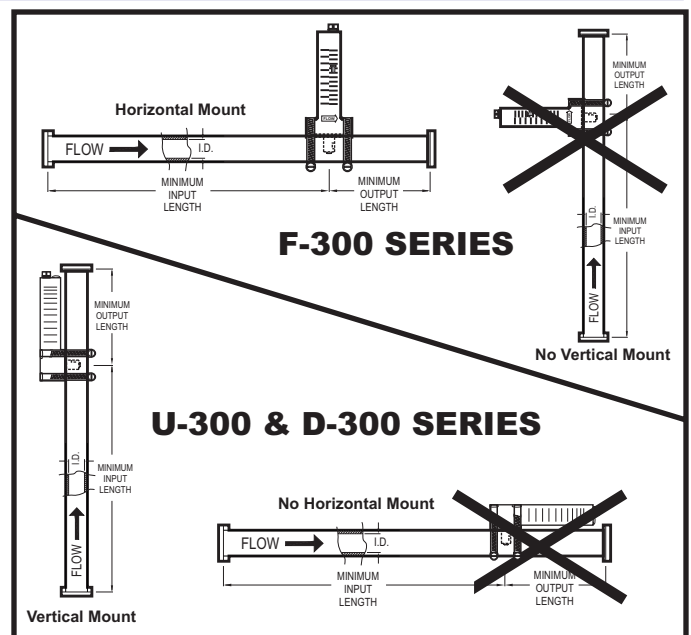
The meter's accuracy is affected by disturbances such as pumps, elbows, tees, valves, etc., in the flow stream. Install the meter in a straight run of pipe **as far as possible** from any disturbances.

Example of Minimum Straight Pipe Length Requirements

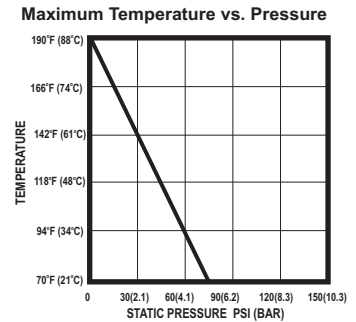
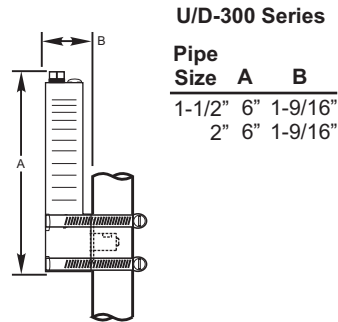
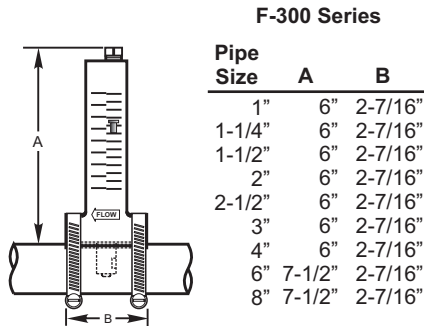
Nominal Pipe Diameter	Minimum Inlet Pipe Length	Minimum Outlet Pipe Length
4 inch	20 inch (5 X 4")	8 inch (2 X 4")
6 inch	30 inch (5 x 6")	12 inch (2 x 6")

Mounting location

- The meter is designed to withstand outdoor conditions.
- F series meters must be mounted at the vertical (twelve o'clock) position on horizontal pipe only.
- U & D series meters must be mounted on vertical pipe only.
- The pipe must be completely full of water at all times.
- See the minimum straight length of pipe requirement chart above.
- The meter can accurately measure flow from one direction only.
- U-series meters measure upward flows only.
- D-series meters measure downward flows only.



Dimensions:



Flow Stream Requirements:

Low viscosity fluids with a specific gravity of 1.0.

Model Number Matrix:

Meter Series F = Horizontal Pipe Mount U = Vertical Pipe with Upward Flow D = Vertical Pipe with Downward Flow	Pipe Size 100 = 1" 125 = 1-1/4" 150 = 1-1/2" 200 = 2" 250 = 2-1/2" 300 = 3" 400 = 4" 600 = 6" 800 = 8"	Pipe Size, type and saddle material P = Sch 40 or 80 IPS Pipe (ASTM-D-1785) T = Copper Tubing type K or type L

Note: see available models below.

Pipe Size, Flow Range and Display Model Options:

Models for Mounting on Horizontal Pipe

Models for U.S. IPS Sch40 & 80 Pipe (ASTM 1785) Display in U.S. Gallons per Minute

Pipe Size	Sch40	Sch80	Model Number
1"	5 to 35	4 to 26	F-30100P
1-1/4"	9 to 50	8 to 40	F-30125P
1-1/2"	10 to 70	10 to 60	F-30150P
2"	20 to 120	18 to 100	F-30200P
2-1/2"	29 to 150	25 to 130	F-30250P
3"	45 to 240	40 to 215	F-30300P
4"	75 to 420	70 to 375	F-30400P
6"	170 to 1100	160 to 1000	F-30600P
8"	300 to 2200	275 to 1950	F-30800P

Models for Copper Tubing types K & L Display in U.S. Gallons and Liters per Minute

Pipe Size	GPM Flow Range	LPM Flow Range	Model Number
1"	4 to 26	15 to 100	F-30100T
1-1/2"	10 to 65	50 to 250	F-30150T
2"	20 to 105	75 to 400	F-30200T

Models for Mounting on Vertical Pipe

Models for U.S. IPS Sch40 Pipe (ASTM 1785) Display in U.S. Gallons and Liters per Minute

Pipe Size	GPM Flow Range	LPM Flow Range	Flow Direction	Model Number
1-1/2"	20 to 100	75 to 375	UP	U-30150P
1-1/2"	20 to 100	75 to 375	DOWN	D-30150P
1-1/2"	9 to 30	30 to 120	UP	U-30150PR
1-1/2"	9 to 30	30 to 120	DOWN	D-30150PR
2"	40 to 150	150 to 550	UP	U-30200P
2"	40 to 150	150 to 550	DOWN	D-30200P
2"	18 to 70	70 to 280	UP	U-30200PR
2"	18 to 70	70 to 280	DOWN	D-30200PR

Models for Copper Tubing types K & L Display in U.S. Gallons and Liters per Minute

Pipe Size	GPM Flow Range	LPM Flow Range	Flow Direction	Model Number
1-1/2"	20 to 100	75 to 375	UP	U-30150T
1-1/2"	20 to 100	75 to 375	DOWN	D-30150T
1-1/2"	9 to 30	30 to 120	UP	U-30150TR
1-1/2"	9 to 30	30 to 120	DOWN	D-30150TR
2"	40 to 150	150 to 550	UP	U-30200T
2"	40 to 150	150 to 550	DOWN	D-30200T
2"	18 to 70	70 to 280	UP	U-30200TR
2"	18 to 70	70 to 280	DOWN	D-30200TR