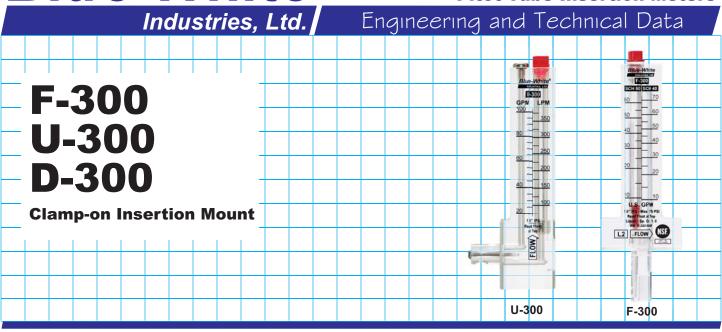
# Blue-White

## **Pitot Tube Insertion Meters**



### **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  $190^{\circ}$  F/  $-18^{\circ}$  to  $88^{\circ}$ 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

**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

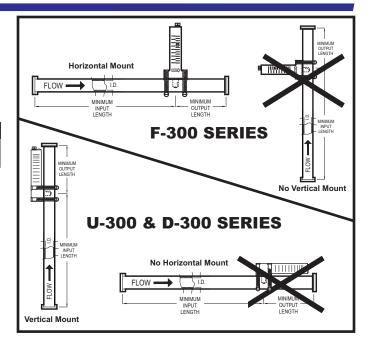
The meter's accuracy is affected by disturbances such as pumps. elbows, tees, valves, etc., in the flow stream. Install the meter in a straight run of pipe as far as possible from any disturbances.

#### **Example of Minimum Straight Pipe Length Requirements**

Nominal Pipe Diameter	Diameter Minimum Inlet Pipe Length Minimum Outlet Pipe	
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**

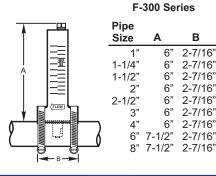
- The meter is designed to withstand outdoor conditions.
- F series meters must be mounted at the vertical (twelve o'clock) position on horizontal pipe only.
- U & D series meters must be mounted on vertical pipe only.
- The pipe must be completely full of water at all times.
- See the minimum straight 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.

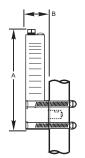




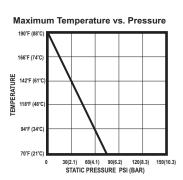
# Industries, Ltd.

#### **Dimensions:**



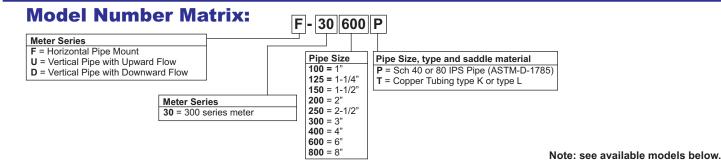


## U/D-300 Series Pipe В Size A 1-1/2" 6" 1-9/16" 2" 6" 1-9/16"



## Flow Stream Requirements:

Low viscosity fluids with a specific gravity of 1.0.



# **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	GPM	LPM	
Size	Flow Range	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	GPM	LPM	Flow	Model
Size	Flow Range	Flow Range	Direction	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

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	Pipe	GPM	LPM	Flow	Model	
	Size	Flow Range	Flow Range	Direction	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	