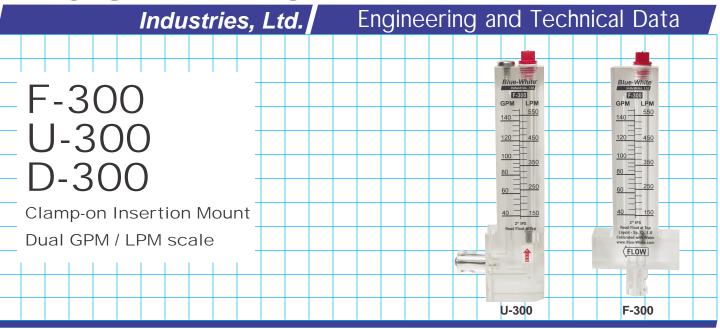
# **Blue-White**

Pitot Tube Insertion Meters



## Features:

- Dual GPM/LPM scale printed on both sides of the meter.
- 1" through 8" pipe sizes.
- Flow rates from 2 to 1900 GPM (8 to 7200 LPM).
- Corrosion resistant 316SS or PTFE 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.

# Specifications:

Pipe Requirements: ..... IPS inch pipe size (ASTM-D-1785) Max. Psi (bar): ...... 150 PSI (10.3 bar) @ 70° F (21° C) Fluid temp. range: ....... 32° to 110° F/ 190° F (88° C) @ 0 PSI

Ambient temp. range: ...32° to 110° F/ -10° to 43° C

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

Full scale accuracy: ..... +/- 10%

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: ..... Standard range models = 316SS

Low range models = PTFE

Gasket: ..... Neoprene

Pipe Clamp: ......300 series Stainless Steel

Pitot screw: ..........1" thru 2" models only. 300 series stainless Steel

# Installation Requirements:

#### Minimum Straight Pipe Length Requirements

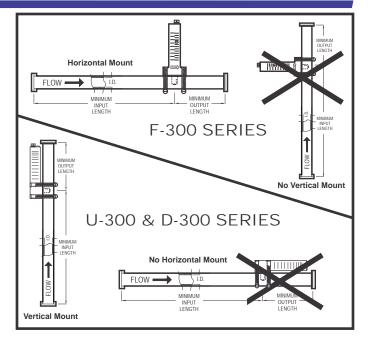
The meter's accuracy is affected by disturbances such as pumps, elbows, tees, valves, etc., in the flow stream. Install the meter in a straight run of pipe as far as possible from any disturbances. The distance required for accuracy is 10 times the nominal pipe diameter before the meter and 4 times the nominal pipe diameter after the meter.

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

Nominal Pipe Diameter	Minimum Inlet Pipe Length	Minimum Outlet Pipe Length	
3 inch	30 inch (10 X 3")	12 inch (4 X 3")	
1-1/2 inch	15 inch (10 x 1.5")	6 inch (4 x 1.5")	
6 inch	60 inch (10 x 6")	24 inch (4 x 6")	

#### **Mounting location**

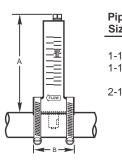
- The meter is designed to withstand outdoor conditions.
- F series meters must be mounted at the vertical (twelve o'clock) position on horizontal pipe only.
- U & D series meters must be mounted on vertical pipe only.
- The pipe must be completely full of water at all times.
- See the minimum straight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

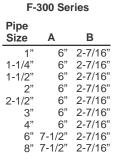


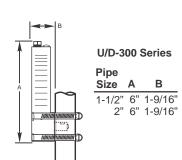


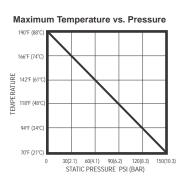
# Industries, Ltd.

## **Dimensions:**



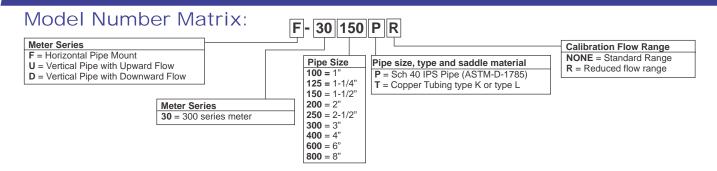






# Flow Stream Requirements:

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 Pipe (ASTM 1785)
Display in U.S. Gallons and Liters per Minute

Pipe	GPM	LPM	
			84 - 1 - 1 81 1
Size	Flow Range	Flow Range	Model Number
1"	5 to 35	20 to 140	F-30100P
1"	2 to 10	8 to 38	F-30100PR
1-1/4"	15 to 75	60 to 280	F-30125P
1-1/4"	5 to 35	30 to 130	F-30125PR
1-1/2"	20 to 100	75 to 375	F-30150P
1-1/2"	9 to 30	30 to 110	F-30150PR
2"	40 to 150	150 to 550	F-30200P
2"	15 to 70	60 to 260	F-30200PR
2-1/2"	60 to 240	225 to 900	F-30250P
3"	80 to 300	300 to 1125	F-30300P
3"	40 to 140	160 to 520	F-30300PR
4"	125 to 500	550 to 2000	F-30400P
6"	250 to 1050	900 to 3900	F-30600P
8"	500 to 1900	2000 to 7200	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"	5 to 35	20 to 140	F-30100T
1"	2 to 10	8 to 38	F-30100TR
1-1/4"	15 to 75	60 to 280	F-30125T
1-1/4"	5 to 35	30 to 130	F-30125TR
1-1/2"	20 to 100	75 to 375	F-30150T
1-1/2"	9 to 30	30 to 110	F-30150TR
2"	40 to 150	150 to 550	F-30200T
2"	15 to 70	60 to 260	F-30200TR
2-1/2"	60 to 240	225 to 900	F-30250T
3"	80 to 300	300 to 1125	F-30300T
3"	40 to 140	160 to 520	F-30300TR
4"	125 to 500	550 to 2000	F-30400T
6"	250 to 1050	900 to 3900	F-30600T
8"	500 to 1900	2000 to 7200	F-30800T

# 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 I PM Flow Model Flow Range Flow Range Size Direction Number 1-1/2 20 to 100 75 to 375 UP U-30150P 20 to 100 DOWN D-30150P 1-1/2' 75 to 375 1-1/29 to 30 30 to 120 UP U-30150PR 1-1/2" DOWN 9 to 30 30 to 120 D-30150PR U-30200P UP 40 to 150 150 to 550 D-30200P 40 to 150 150 to 550 DOWN U-30200PR 70 to 280 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

	,			<u> </u>
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

