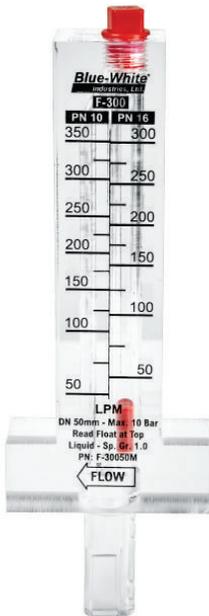


# F-300M

## Variable Area Flow Meter (Metric)



Video link: 

### Features

- > Easy to read dual scale (PN10 / PN 16)
- > Reads Horizontal flow
- > Acceptable for outdoor installations
- > Pitot Tube design makes it easy to install on existing pipe
- > One-piece, machined acrylic meter body
- > Mounts directly to pipe. No adapters needed.
- > Optional Flow Switch available

### Highlights

#### Flow range

30 - 1,800 LPM (PN 10)  
30 - 1,600 LPM (PN 16)

#### Pressures up to

5.2 bar  
75 PSI

#### Max. fluid temp.

88 °C  
190 °F

#### Body material

Acrylic

#### Pipe sizes

32mm to 110mm

#### Warranty

1 Year

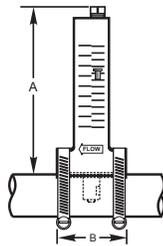


<b>Pipe Requirements</b>	Metric pipe size (DIN 8062)
<b>Maximum Working Pressure</b>	5.2 bar (75 PSI) at 70 °F (21 °C)
<b>Fluid Temperature Range</b>	0° to 190 °F / -18 to 88 °C @ 0 PSI
<b>Ambient Temp Range</b>	0° to 110 °F / -18 to 43 °C
<b>Full Scale Accuracy</b>	32mm, 50mm, 63mm, 75mm, and 90mm pipe size: +/- 5% 110mm pipe size: +/- 10% of rate
<b>Calibration Fluid</b>	Water, specific gravity 1.0
<b>Approximate Shipping Weight</b>	32mm - 90mm units: 1 lb (.45kg)

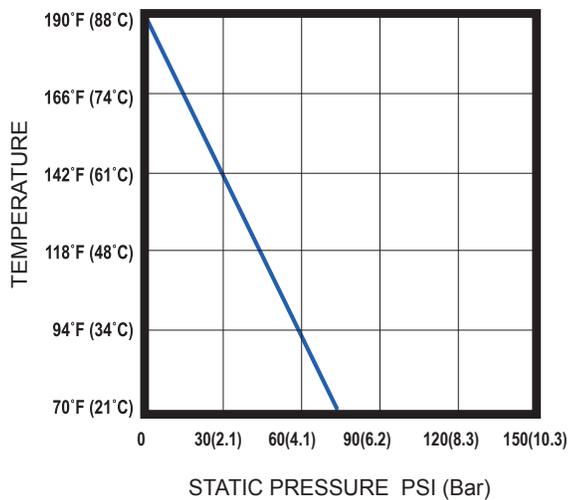
## Dimensions

### F-300M Series

Pipe Size (mm)	A (mm)	B (mm)
32	110	62
50	110	62
63	110	62
75	110	62
90	110	62
110	110	62



## Maximum Temperature vs. Pressure



**Wetted Components:**

<b>Meter Body</b>	Acrylic
<b>Float</b>	PVDF
<b>Gasket</b>	Neoprene
<b>Pipe Clamp</b>	316SS

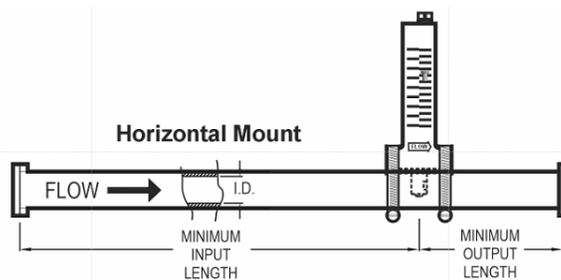
## Output Specifications

Models for Mounting on Horizontal Pipe  
 Models for Metric Pipe PN10 & PN16  
 (DIN 8062)

Model	Pipe size	PN 10 LPM	PN 16 LPM
F-30032M	32 mm	30 to 150	30 to 130
F-30050M	50 mm	50 to 350	50 to 300
F-30063M	63 mm	100 to 475	75 to 400
F-30075M	75 mm	150 to 700	150 to 600
F-30090M	90 mm	200 to 850	200 to 800
F-30110M	110 mm	600 to 1800	550 to 1600

## Installation 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 disturbances. The distance required for accuracy is 5 times the nominal pipe diameter before the meter and 2 times the nominal pipe diameter after the meter.



### Mounting location

- The meter is designed to withstand outdoor conditions.
- F-300M series meters must be mounted at vertical (12 o’clock) position on horizontal pipe.
- The pipe must be completely full of water at all times.
- The meter can accurately measure flow from one direction only.

# Model Number Matrix

## F-300M Model Number

<b>F</b>	Standard Flow Meter (Horizontal Flow)				
<b>Series</b>					
<b>30</b>	F-300M Acrylic Body				
<b>LPM Scale PN10 / PN16</b>					
<b>032</b>	32mm Pipe, 30 - 150 LPM PN10 (30 - 130 LPM PN16)				
<b>050</b>	50mm Pipe, 50 - 350 LPM PN10 (50 - 300 LPM PN16)				
<b>063</b>	63mm Pipe, 100 - 475 LPM PN10 (75 - 400 LPM PN16)				
<b>075</b>	75mm Pipe, 150 - 700 LPM PN10 (150 - 600 LPM PN16)				
<b>090</b>	90mm Pipe, 200 - 850 LPM PN10 (200 - 800 LPM PN16)				
<b>110</b>	110mm Pipe, 600 - 1800 LPM PN10 (550 - 1600 LPM PN16)				
<b>Pipe Units</b>					
<b>M</b>	METRIC (DIN 8062)				
<b>F</b>	<b>-</b>	<b>30</b>	<b>032</b>	<b>M</b>	Sample Model Number