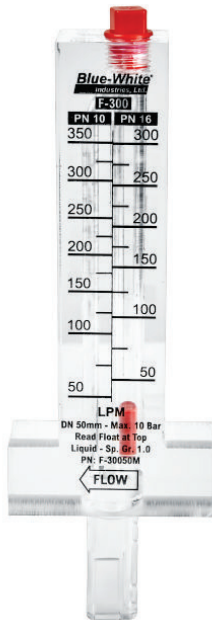


F-300M

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.

Highlights

Flow range

30 - 1,800 LPM (PN 10)
4.0 - 1,950 LPM (SCH 40)

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

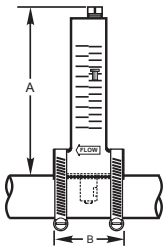


Pipe Requirements	Metric pipe size (DIN 8062)
Maximum Working Pressure	5.2 bar (75 PSI) at 70 °F (21 °C)
Fluid Temperature Range	0° to 190 °F / -18 to 88 °C @ 0 PSI
Ambient Temp Range	0° to 110 °F / -18 to 43 °C
Full Scale Accuracy	32mm, 50mm, 63mm, 75mm, and 90mm pipe size: +/- 5% of rate
	110mm pipe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

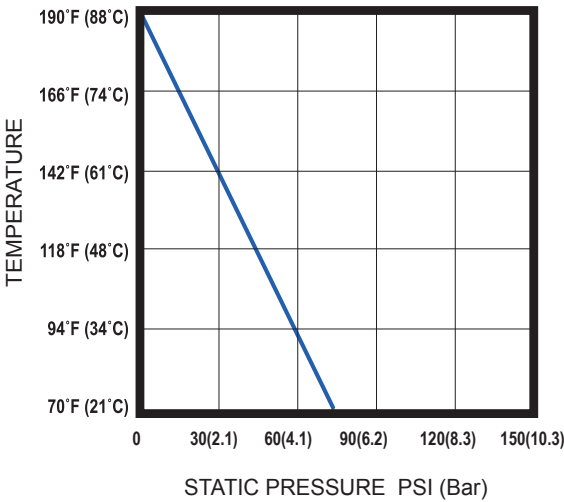
Dimensions

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:

Meter Body	Acrylic
Float	PVDF
Gasket	Neoprene
Pipe Clamp	316SS

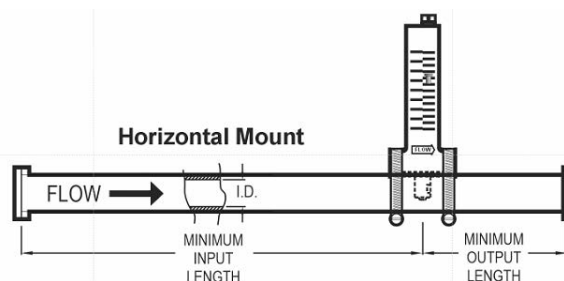
Output Specifications

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

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