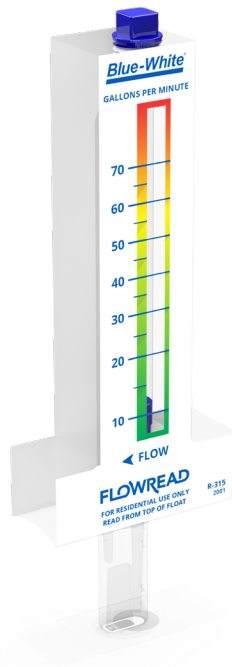


FLOWREAD®

R-300 Variable Area Flow Meter



Features

- > The perfect tool to dial in variable speed pool pumps
- > Clear, easy-to-read scale in gallons per minute
- > Acceptable for outdoor installations
- > Optimize energy savings
- > Improve Water Quality
- > Installs in 2 minutes or less

Video link: 

Highlights

Flow range

10 - 150 GPM (SCH 40)

Pressures up to

75 PSI @ 70 °F
(5.2 bar)

Max. fluid temp.

190 °F
88 °C

Body material

Acrylic

Pipe sizes

1-1/2", 2", 2-1/2"

Warranty

1 Year

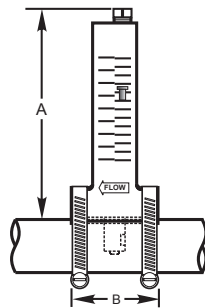


Pipe Requirements	IPS inch pipe size (ASTM-D-1785)
Maximum Working Pressure	75 PSI at 70 °F (21 °C)
Fluid Temperature Range	0° to 190 °F / -18 to 88 °C @ 0 PSI
Ambient Temp Range	0° to 110 °F / -18 to 43 °C
Full Scale Accuracy	+/- 5% of rate
Calibration Fluid	Water, specific gravity 1.0
Approximate Shipping Weight	1 lb (.45kg)

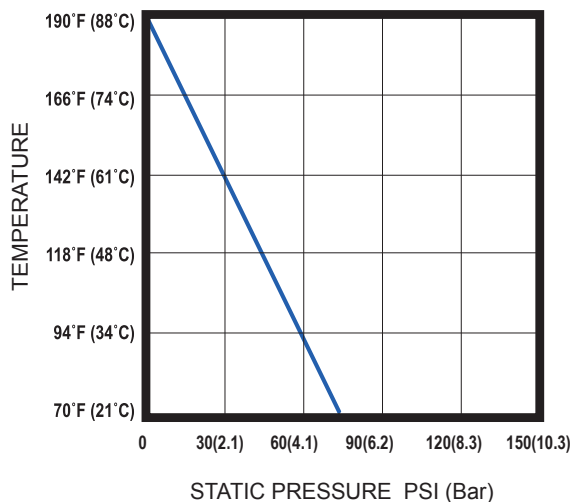
Dimensions

R-300 Series

Pipe Size (in)	A (in)	B (in)
1-1/2	6	2-7/16
2	6	2-7/16
2-1/2"	6	2-7/16



Maximum Temperature vs. Pressure



Wetted Components:

Meter Body	Acrylic
Float	PVDF
Gasket	Neoprene
Pipe Clamp	316SS

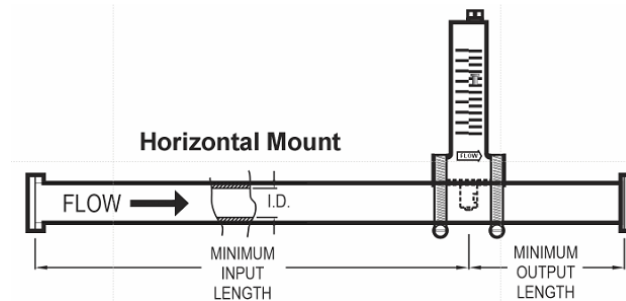
Output Specifications

Models for Mounting on Horizontal Pipe

Model	Pipe size	SCH 40 GPM
R-315	1-1/2"	10 to 70
R-320	2"	20 to 120
R-325	2-1/2"	30 to 150

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.
- R-300 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

R-300 Model Number

R	Standard Flow Meter (Horizontal Flow)			
Series				
3	R-300 Acrylic Body			
GPM Scale SCH 40				
15	1.5" Pipe 10 - 70 GPM			
20	2.0" Pipe 20 - 120 GPM			
25	2.5" Pipe 30 - 150 GPM			
R	-	3	15	Sample Model Number

Accessories

