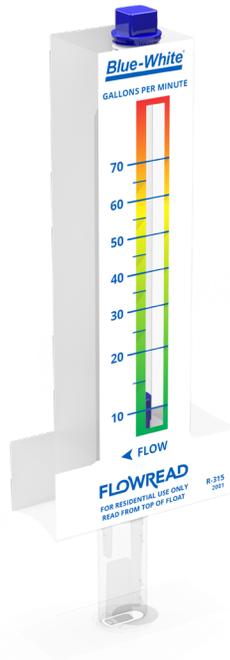


# FLOWREAD™

## 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

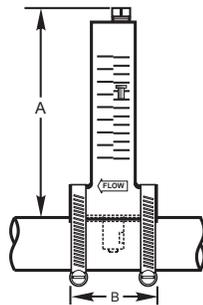


<b>Pipe Requirements</b>	IPS inch pipe size (ASTM-D-1785)
<b>Maximum Working Pressure</b>	75 PSI at 70 °F (21 °C)
<b>Fluid Temperature Range</b>	0° to 190 °F / -18 to 88 °C @ 0 PSI
<b>Ambient Temp Range</b>	0° to 110 °F / -18 to 43 °C
<b>Full Scale Accuracy</b>	+/- 5% of rate
<b>Calibration Fluid</b>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

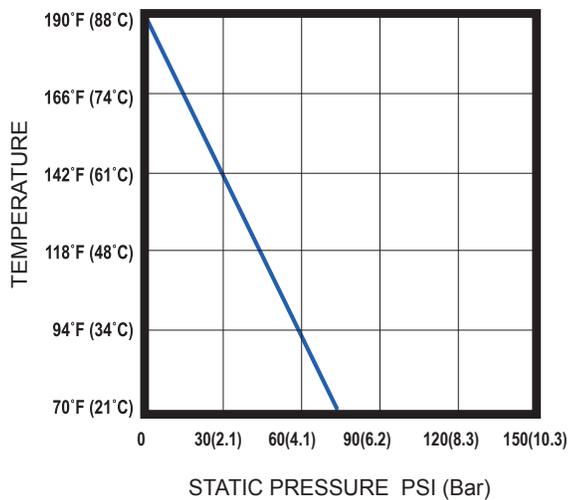
## Dimensions

### 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



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## Wetted Components:

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**Meter Body** Acrylic

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**Float** PVDF

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**Gasket** Neoprene

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**Pipe Clamp** 316SS

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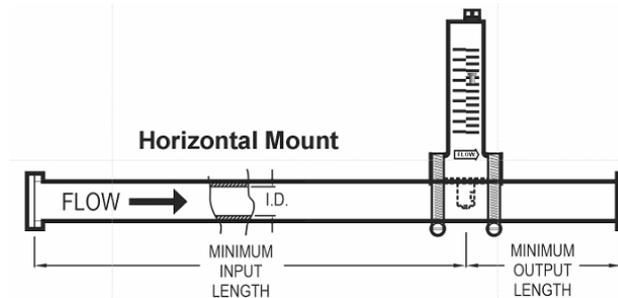
## Output Specifications

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

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

## Accessories

