



INSTALLATION & OPERATION INSTRUCTIONS
FOR PR SERIES FLOWMETERS

Acrylic PR water flowmeters are available in various sizes and ranges. (See chart on other side). This meter is to be used with water only. These meters are manufactured of durable acrylic and if properly installed and maintained, will provide long-term trouble free operation.

Additionally, there should be no bends or restrictions within these dimensions.

SPECIFICATIONS	
ACCURACY:	± 10% Full Scale
METER BODY:	Clear Acrylic
FLOATS:	Stainless Steel (Type 316) & Black Acrylic
MAXIMUM TEMPERATURE:	150°F (65 °C)
MAXIMUM PRESSURE:	150 PSIG (10 Bar)
SEALS:	Viton®
MOUNTING BASE:	PVC
TOP PLUG:	PVC
GASKET:	Viton®
CLAMPS:	Stainless Steel

INSTALLATION

Drill a .625" diameter hole through top center of pipe, removing all sharp edges and burrs. Check fit of flowmeter body into the hole. It must fit freely and be installed vertically. Place the rubber gasket between the saddle block of the meter and the pipe. Install the meter making sure the flow arrow on the meter is in the proper direction of flow. Open two mounting clamps. Place around pipe and saddle block; tighten clamps enough to stop leaks. **DO NOT OVER TIGHTEN.** Slowly pressurize the system and check for leaks.

CLEANING AND DISASSEMBLY

Occasional cleaning may be required if dirt appears in the flow tube or if float movement becomes restricted. Depressurize the system before cleaning. To clean, remove both mounting clamps and remove the meter from the pipe. Remove top plug and float, wash the tapered hole and top plug with a mild liquid detergent and soft brush. Rinse all parts with clean water and dry thoroughly with clean air. Do not use solvents to clean this meter as they will attack the acrylic.

UNPACKING

Precautions have been taken to prevent any damage from occurring during shipment. However, if the meter is received damaged, report it to the carrier immediately. Before installing, verify that you have the model and flow range required.

REASSEMBLY

Check to be sure all parts are clean and dry. To lubricate the o-ring on top plug, apply a small amount of halocarbon grease prior to reassembly. Reinstall the float and the top plug, making sure top plug is tightened flush with the top of the acrylic body. Repeat the installation instructions above to replace the meter.

ACHIEVING ACCURATE FLOWRATES

To obtain an accurate flowrate, the float must be read at the position indicated on the meter. The flowmeter must be located in a straight, horizontal section of pipe that will provide the minimum dimensions as follows:

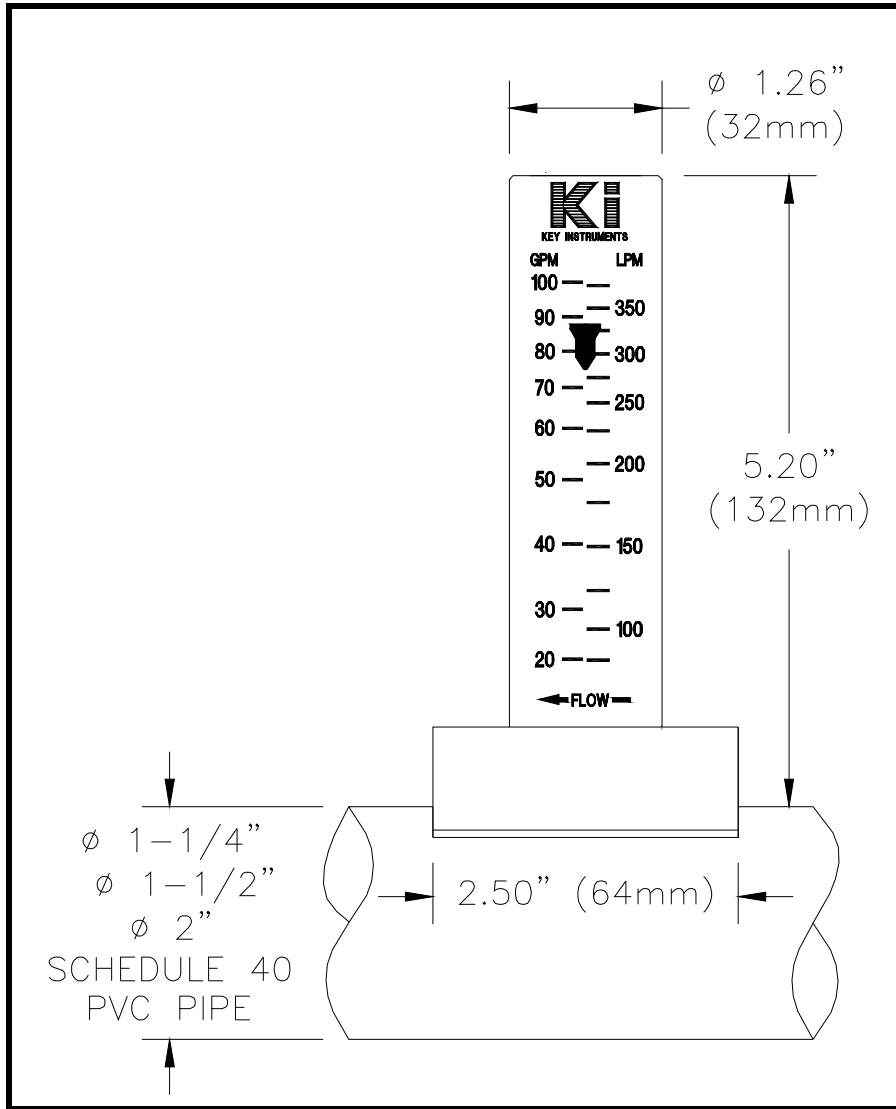
- 1.25 inch pipe should have minimum of 10 inches of straight pipe downstream of meter and 5 inches upstream of the meter.
- 1.5 inch pipe should have minimum of 15 inches of straight pipe downstream of the meter and 7.5 inches upstream of the meter.

If you have any questions regarding the installation, maintenance or use of this flowmeter, please call the Customer Service Department at 1-800-356-7483.

9/10/2008

CAUTION

THIS FLOWMETER IS DESIGNED FOR USE WITH NON-HAZARDOUS FLUIDS AT PRESSURES UP TO 150 PSI (10 BAR) AND TEMPERATURES UP TO 150 °F (65 °C). DO NOT USE HAZARDOUS FLUIDS AND DO NOT EXCEED TEMPERATURE OR PRESSURE LIMITS. USE WITH HAZARDOUS FLUIDS OR EXCEEDING THE PRESSURE AND TEMPERATURE LIMITS MAY CAUSE FAILURE WHICH COULD RESULT IN INJURY.



PR SERIES FLOW RATES			
PART NUMBER	GPM	LPM	PIPE SIZE
PR12535	5-35	20-130	1 1/4"
PR12560	10-60	40-220	1 1/4"
PR15030	5-30	20-110	1 1/2"
PR150100	20-100	75-375	1 1/2"
PR200130	40-130	150-500	2"