INSTALLATION INSTRUCTIONS
F-750(-A) / F-751(-A)

LTR	F-750 / F-751 DIMENSION	F-750-A / F-751-A DIMENSION
A	1" (25.4mm)	1-1/16" MAX. (26.9mm)
B	3-15/16" (100.0mm)	4-1/8" (104.7mm)
C	5/8" (15.9mm)	5/8" (15.9mm)
D	5/16" DIA. (6.4mm)	5/16" DIA. (6.4mm)
E	3" (76.2mm)	3" (76.2mm)

SPECIFICATIONS

Meter Body: PVC Molded clear; **Cap or Valve:** polypropylene; **Floats:** Glass, Ceramic, Stainless Steel, K-Monel, PTFE; **Connections:** 5/16" (6.4mm) inlet ports for press fitting, gluing, or clamping 1/4" (6.4mm) ID tubing - reducer adapters permit 1/8" (3.2mm) OD tube glue connection; **O-Rings:** Viton; **Scale:** Permanent Silkscreen; **Pressure Rating:** Glue Joints: 75 PSIg (5.17 BAR) maximum; Clamping: 50 PSIg (3.45 BAR) maximum; slip Fit: 25 PSIg (1.7 BAR) maximum; **Temperature Rating:** 100°F (38°C) maximum.
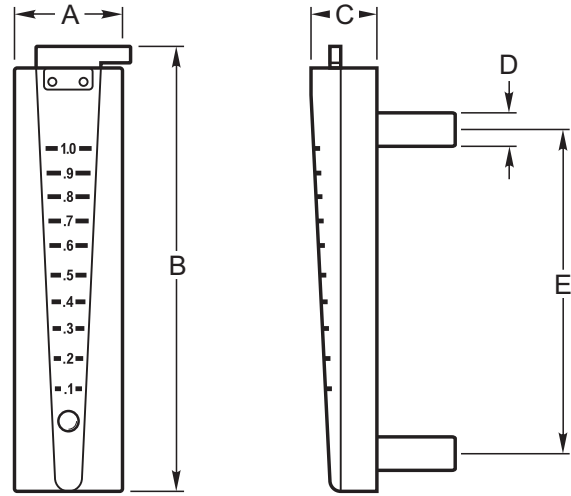
## Your Blue-White® F-750(-A) / F-751(-A) Panel Mount Flowmeter

Your Blue-White® flowmeter was designed to be easy to install.

The F-750(-A) / F-751(-A) is a panel mount meter designed to be connected to flexible tubing by either slip fit, clamping, or gluing and clamping (PVC tubing only). The meters are available in a wide variety of direct reading scales for liquid or air.
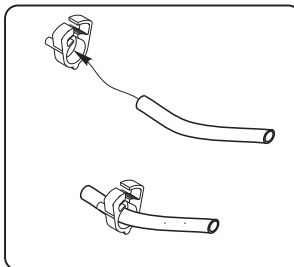
Installation

Please use the following steps to guide you through the installation.
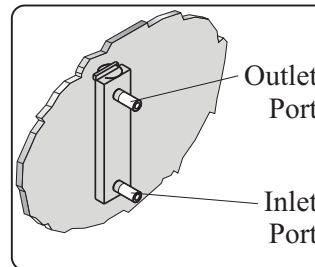
Step 1
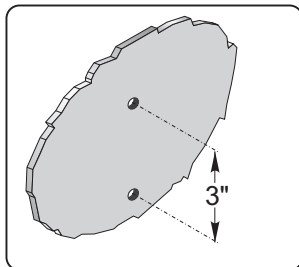
Drill two 11/32" (8.73mm) holes on 3" (76.2mm) centers on a vertical plane. Use the template on the back of this sheet if needed.
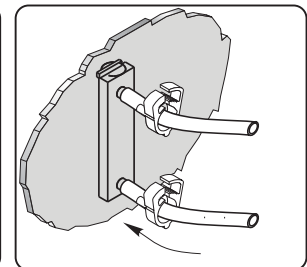
Step 2

Slide the red finger clamps (P.N. 90002-206) on to tubing. Make sure to point the three prongs toward the panel.

Step 3

Insert the tube connection ports through the panel from the front. Hold meter firmly against the panel from front during the following step.

Step 4

Slide the tubing over the connection ports of the meter. Once tube is in place, slide clamps against the rear of the panel so the three prongs touch the panel. Now tighten clamps, use pliers if necessary.

Note: For pressure exceeding over 50 PSIg (3.45 BAR), use clear PVC glue on your PVC tubing, then slid over connection ports.
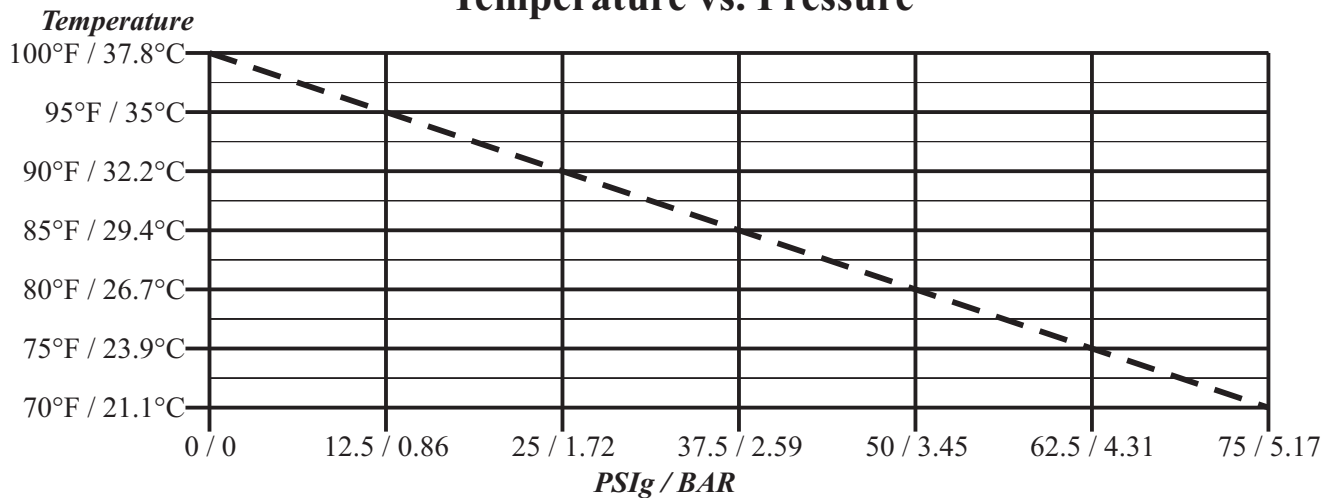
Operation

The float is read at the widest diameter of the ball float. Adjustable models are adjusted by turning the top mounted valve stem from left (minimum flow), to right (maximum flow). **The valve is not to be used as a shut off valve.**
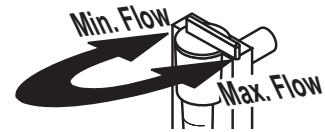
Maintenance

Minimal maintenance is required. Should the meter fail to read, make certain the adjustmen open.

Temperature vs. Pressure

Temperature

100°F / 37.8°C	
95°F / 35°C	
90°F / 32.2°C	
85°F / 29.4°C	
80°F / 26.7°C	
75°F / 23.9°C	
70°F / 21.1°C	

0 / 0   12.5 / 0.86   25 / 1.72   37.5 / 2.59   50 / 3.45   62.5 / 4.31   75 / 5.17

PSIg / BAR

Note: The above Temperature vs. Pressure chart reflects a glued installation.

Pressure and Temperature

Pressure and temperature limits are inversely proportional. At the maximum suggested pressure the temperature should approach 70°F / 21.1°C; at the maximum suggested temperature the pressure should approach zero psi. We cannot guarantee our flowmeters will not be damaged either at or below the suggested limits simply because of many factors which influence meter integrity; stress resulting from meter misalignment, damage due to excessive vibration and/or deterioration caused by contact with certain chemicals as well as direct sunlight. These situations and others tend to reduce the strength of the materials from which the meters are manufactured.

Flowmeters are tested and calibrated for water or air only. Although meters may be suitable for other chemicals, Blue-White cannot guarantee their suitability

Mounting Template

Top

Bottom

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