

Akron Brass Co.

CORRECT USE OF THE HAND HELD PITOT:

Using Akron Brass's - Hand Held Pitot for taking a flow reading is not difficult, but it is essential that it is used properly if accurate readings are to be obtained. Akron Brass's - Hydrant or Apparatus Flow Test Kit's may also be used.

A good method of holding the hand held pitot tube is to stand on the right hand side of the water stream with the pitot in your right hand, and your right thumb above the air/water bleed button. Hook three fingers of the left hand over the handle of the pitot between the pitot blade and gauge. As you insert the blade into any water stream use extreme caution as the pitot will kick back on the employee. It takes practice to be able to hold the tip of the blade in the center of the water stream. You must steady the Hand Held Pitot or the force of the water will make it impossible to get an accurate reading.

The procedure for using the Akron Brass Hand Held Pitot With Gauge are as follows:

- 1- After obtaining a secure grasp of the pitot tube, press the air/water bleed button with your thumb as the pitot tube is being placed in the water stream. This removes all air from the static pressure circuit of the pitot. Because the 3-1/2 inch pressure gauge is liquid filled, your needle fluctuation is basically nonexistent.
- 2- The pitot blade tip opening should be placed in the center of the water stream and held away from the hydrant outlet or nozzle tip, approximately one-half the diameter of the opening, i.e. for a 2-1/2 inch (65 mm) outlet the distance would be 1-1/4 inches (32 mm).
- 3- Read the pressure gauge and record the pressure reading. Next, look up the PSI or (kPa) reading in the attached table for gallons per minute GPM or (kPa) flow.
- 4- After the test is complete, press the air/water bleed button to allow all water to drain before storing the hand held pitot in its case.



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