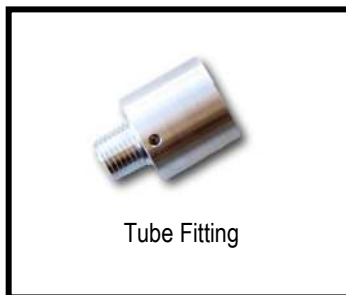
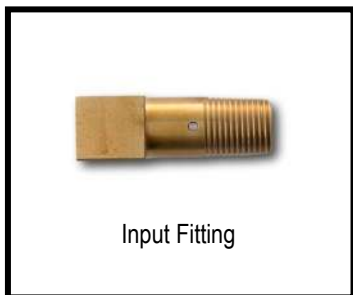




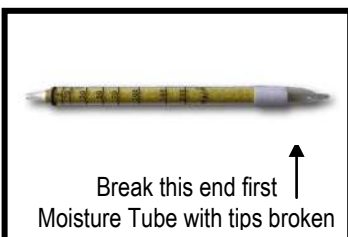
## The Champion 35 Moisture Sampling Instructions

(Cylinder Quick Connect Version)

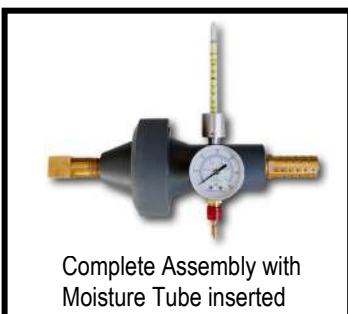


**1** Using one of TRI supplied input fittings, connect the input fitting to the flow section. (If a tube fitting is not already installed on the PVC Filter Holder Assembly remove the fitting near the pressure gauge and replace it with the tube fitting.) Using the other instruction sheet, **AIR SAMPLING INSTRUCTIONS**, go to step 3 and check for proper orifice size. Install or change orifice as required to obtain the pressure required in step 2 below. Open the charging lead or gas source valve and blow out residual moisture in the lines for 5 minutes. Close the valve and connect the complete unit to the air source.

**2** Slowly open the valve until a steady pressure in the range of 4-6 psi is established on the PVC Filter Holder pressure gauge. Record the exact pressure on the data sheet under section "Moisture Sample Data".



**3** Locate the moisture tube and find the end marked (insert other end). **Caution: Wear eye protection to avoid injury from flying glass.** Carefully break the glass tip off this end by inserting it into the hole on the side of the tube fitting and gently applying sideways pressure. Then, break the other tip off using the same procedure. **Make sure you break both ends.**



**4** Without delay, insert the proper end of the moisture tube vertically into the tube fitting, past the o-ring, until it bottoms out. **Caution: Use layers of paper or cloth around the tube to protect your hands in case of tube breakage.**

**5**

Begin timing the test as soon as the tube is in place (Note: Flow is in process). Use chart below for optimum times and pressures. It is important that these times be used for corresponding pressures. **If the reddish-brown color change on the moisture tube reaches the 100 mark before the time is up, terminate the test and record the time actually run.** Record the tube serial #, the pressure and time on the data sheet under section "Moisture Sample Data".

**Collection Time (minutes) and Pressure (psi)**

14 minutes @ 4 psi

12 minutes @ 5 psi

10 minutes @ 6 psi



Moisture Tube with Red End Caps

**6**

Once the moisture sample has been completed, be sure to indicate the length of color change on the data sheet drawing of the moisture tube. Replace the red caps on both ends of the moisture tube and return the tube to the foam holder.

**7**

You have just completed the moisture sampling procedure. If you are not doing any additional sampling, turn off the charging lead or air source valve, turn off your compressor and disassemble the sampling equipment. Return each part to your kit. Otherwise return to the other sampling instructions and perform those procedures. Check that the data sheet has been correctly and completely filled out. Return to TRI for analysis.

If you are using a return shipping tag place it on the package and call FedEx (800) 238-5355 or UPS (800) 742-5877 to request a pick-up or use their drop off locations.

**AT THE LAB**

TRI Air Testing, Inc.'s laboratory will perform analysis within one (1) business day of receipt of the sample. If the sample does not pass the specification you request, you will be notified within one (1) business day. TRI will put the analyses results into a report and immediately upload it to your online account. Visit our website to activate your online account. [www.airtesting.com](http://www.airtesting.com) "My Air" login.

Upon request, TRI will also supply your facility with a certificate of analyses for the samples that met the requested specifications.

If for some reason you need to have your results sooner, call to let us know at (512) 263-0498 or indicate this on the "Rush Analysis" section of the data sheet. Purchase order or credit card is required for additional charges

Should you have any other questions or concerns, feel free to call us at (512) 263-0498.

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