



TRI AIR TESTING, Inc.
1607 N. CUERNAVACA DRIVE STE. 500
AUSTIN, TX 78733-1600
(800) 880-8378



THE CHAMPION 35 MOISTURE SAMPLING INSTRUCTIONS



Input Fitting



Tube Fitting



PVC Filter Holder
Assembly

1

Using one of TRI supplied input fittings, connect the input fitting to the PVC Filter Holder Assembly. (If a tube fitting is not already installed on the PVC Filter Holder Assembly remove the fitting near the pressure gauge and replace with the tube fitting.) Open the charging lead or air 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". Allow the air to flow for 5 minutes to dry out the flow section.

↑

Break this end first.
Moisture Tube with
tips broken

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.



Complete Assembly with
Moisture Tube inserted

4

Without delay, insert the proper end of the glass 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

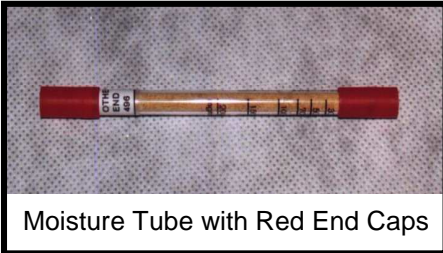
Begin timing the test as soon as the tube is in place (Note: Flow is in process). Use chart below for optimum times and pressures. It is important that these times be used for corresponding pressures. **If the color change on the moisture tube reaches the 100 mark before the time is up, terminate the test and record the time actually run.** It is important that you record 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, or check (✓) beneath the drawing in the space provided, if no stain occurred. 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 sheets have 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 boxes.



TRI Air Testing, Inc.'s laboratory will perform analysis within 24 hours of receipt of the sample. If the sample does not pass the specification you request, you will be notified within those 24 hours. TRI will put the analyses results into a report and mail the report within 72 hours following analyses.

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 than you would receive the report in the mail, call to let us know at **(800) 880-8378** or indicate this on the comment section at the bottom of the data sheet. TRI can have the results faxed to you before mailing.

Should you have any other questions or concerns, feel free to call the Compressed Air Customer Service Department at **(800) 880-8378**. Your satisfaction is TRI's goal.

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