







The Champion 35 Air Sampling Instructions

If a moisture sample is to be obtained, go to moisture sampling instructions and perform the test before continuing with this air sampling instruction.

Start the compressor and allow it to run with air flowing from the sampling point for at least 5 minutes before sampling. While the compressor is running complete steps 2 and 3 of these instructions.





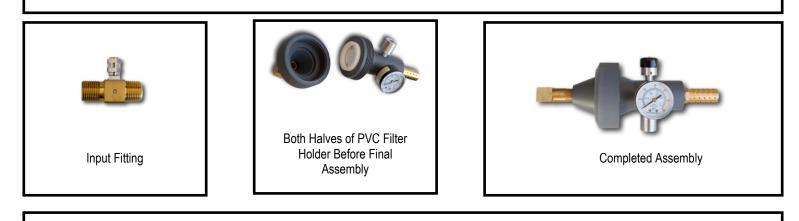
Record the filter number. (Remove a filter assembly from red filter case and carefully locate the number on the screen.) The number is found on the side of the filter assembly opposite of the white filter pad.) Record this information on the data sheet under "Oil Mist/Particulate Sample Data." Do not touch the filter pad. Handle the filter assembly by the sides.

Filter Case and Filter

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Record the orifice plate size on the data sheet under "Oil Mist/Particulate Sample Data." To install or check the size of the installed orifice plate, unscrew the multi-holed noise muffler. The orifice plate is the aluminum disk with a hole in it. The size is imprinted on it.

Pressure Reading	0.78 orifice minutes	0.115 orifice minutes	0.200 orifice minutes	0.300 orifice minutes
4-5 psi	40	19	6	3
6-9 psi	31	15	5	2
10-15 psi	22	11	4	NA
16-21 psi	16	8	3	NA
>22 psi	12	6	2	NA

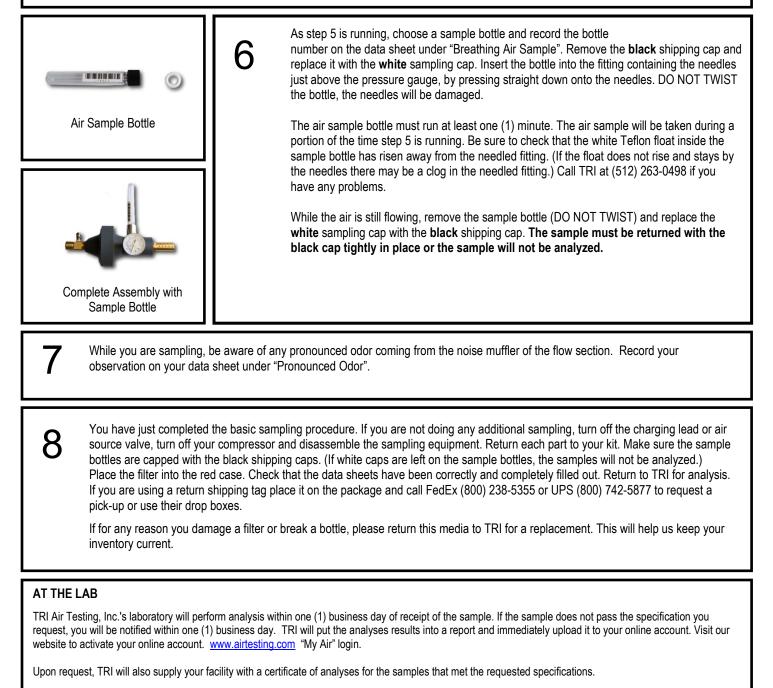


Assemble the sampling equipment as follows: Screw the input fitting into the short half of the PVC filter holder. Place one filter assembly into the other half of the PVC filter holder (white filter pad facing out, see picture). Assemble the two halves of the PVC filter holder. Make sure all equipment is securely tightened. **DO NOT INSERT A SAMPLING BOTTLE YET.**



The Champion 35 Air Sampling Instructions (Continued)

Connect the complete unit to your air source. Open the charging lead or air source valve SLOWLY and allow the pressure on the flow section gauge to stabilize in the 9-12 psi range. Run the sample according to the time specified in the table in step 3. <u>Complete step 6 during this run time.</u> If you are unable to obtain 9-12 psi change the size of the orifice plate. Remember to record the size used during testing.



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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70-IS-1-C Rev 9