

Sampling Instructions

Compressed Breathing Air Testing

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Step 1: Prep

Read through all steps and call Customer Service at (800) 830-4064 with any questions before beginning. Read warning label on Air Sample Container. Be prepared to time key steps. Allow enough time to complete all steps without interruption.

Step 2: Prep

Warm up compressor, if being tested. Adjust outlet pressure of your system to any value **between 10 and 150 psi**, if at a different pressure.

Step 3: Prep

Purge your air outlet where sample will be taken for **2 minutes** to ensure the connection is free of oil, water, particulate, and other foreign matter. Close your air outlet.

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Step 4: Test

Remove our Air Sample Container from Shipping Box. **Note direction of air flow through container.** Connect our Air Sample Container to your air outlet where sample will be taken. **Do not alter our Air Sample Container in any way.**

Note: Test kit turns on and off automatically. No alteration is required. Test kit is also designed to have the required inlet fitting for a direct connection to your system. If inlet fitting must be changed, hold brass 1/4" NPT fitting with one wrench, while carefully changing inlet fitting with a second wrench. However, doing so means we can no longer guarantee the factory seal. If another inlet fitting is preferred, please let us know before your next order.

Step 5: Test

Open your air outlet for the **flow time shown in Table 1.** Everything is proceeding correctly if you hear and feel air exiting end of our Air Sample Container. At end of our Air Sample Container **determine if exiting air has any pronounced odor** making it unpleasant to breathe.

Note: If access is limited, making it too difficult to carry out the odor test, the odor test may be skipped.

Step 6: Test

After required flow time has elapsed, close your air outlet. Sample collection is now successfully complete. **Disconnect our Air Sample Container and completely fill out Customer Data Sheet.**



| Outlet Pressure | Flow Time |
|------------------------|------------------|
| 10 psi | 40 min |
| 20 psi | 11 min |
| 30 psi | 7 min |
| 60 psi | 4 min |
| 90 psi | 3 min |
| 120 psi | 2 min |
| 150 psi | 1.5 min |

Table 1 Flow Times

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Step 7: Return

The Merchandise Return Label offers free Priority Mail shipping of samples back to the lab. Remove Merchandise Return Label and **provide your return address in top left corner.** Place our Air Sample Container and completed Customer Data Sheet back in Shipping Box and tape closed. If returning multiple kits at same time, place all Boxes into one large box. Cover or obliterate any old addresses and barcodes on box and apply Merchandise Return Label to outside of box without folding it over the side. Do not tape over Label barcodes or any part where postage will be recorded. A hazardous goods label is not required. **Ship within 2 weeks of collecting sample** using US Postal Service.

Note: If sample is not mailed within 2 weeks, you can either 1) redraw a new sample at the same pressure and record the additional flow time on the Customer Data Sheet or 2) return it as is. We seal test each kit for much longer than 2 weeks. But if too much time has passed, we recommend the redraw.