

Air One Labs

Sampling Instructions

You will need a 5/8 and a 9/16 wrench or two (2) adjustable wrenches.
You will also need packing tape to reseal the boxes for the return shipment.

Receipt of shipment

Open the boxes containing your canisters and flow controllers. (Save all packing material for the return shipment.) Verify that all items listed on the packing slip are in the box. If items are missing please contact Air One Labs immediately 760-305-8615.

To Begin Sampling

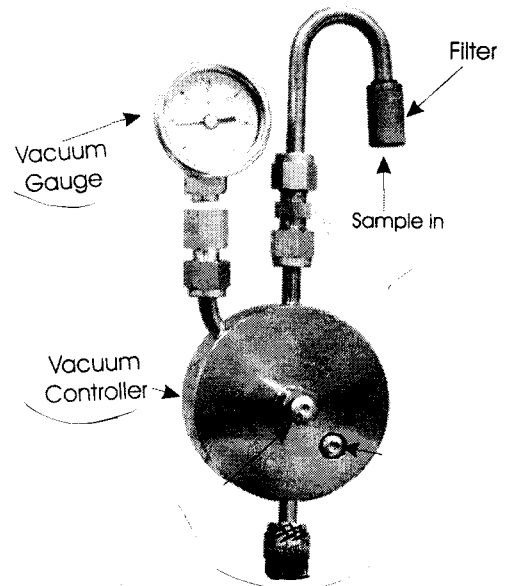
♣Flow controllers (choke)

For time integrated samples Air One Labs will provide a flow controller with a vacuum gauge. The flow controller will be nominally set to the requested fill time for the size of canister provided, 8, 12 or 24 hours. Although Air One Labs makes every effort to calibrate the provided flow controllers to the requested rate, due to the rigors of field use Air One Labs can not guarantee the rate of fill. If your job requires precise measurements you are encouraged to purchase gauges you can maintain and calibrate immediately prior to your job.

♣Attach flow controller & verify the canister vacuum
Air One Labs will confirm the canisters have a vacuum of at least 25in Hg prior to shipment. This should be confirmed prior to sampling. Air One Labs utilizes Entech canisters with Micro-QT valves for easy assembly. To connect the flow controller to the canister slide the collar on the flow controller toward the vacuum controller and insert the Micro-QT valve inside the collar. If the valve is inserted straight into the collar it should slide in effortlessly. If you experience resistance either the collar is not lifted enough or you have the canister valve at a slight angle. Release the collar; gently lift the flow controller to confirm attachment. Record the vacuum from the gauge on to the chain of custody record provided. At this time also record the flow controller serial number on the chain of custody record.

♣There is an endcap on the flow controller. Do not remove the endcap until you are ready to begin sampling. Once this cap is removed there will be air flow into the canister. To remove the cap hold the filter in place with the 5/8 wrench. Loosen the end cap with the 9/16 wrench by turning it gently to the left, once loosened the cap can be removed with your fingers. There is now air flow into the canister.

Instructions continued on back.



After sampling is complete

Record the final vacuum on the chain of custody record.

Replace the endcap on the flow controller by screwing it in place finger tight taking care to not cross thread the cap. Holding the filter in place with the 5/8 wrench tighten the endcap with the 9/16 wrench less than one quarter of a turn.

Remove the flow controller by lifting the collar and sliding the canister Micro-QT valve out of the collar. This should not require any force. If the controller and canister do not effortlessly separate either the collar is not fully lifted or the canister is at a slight angle.

Place the flow controllers and canisters in the provided packaging.

Return to Air One Labs immediately for analysis.