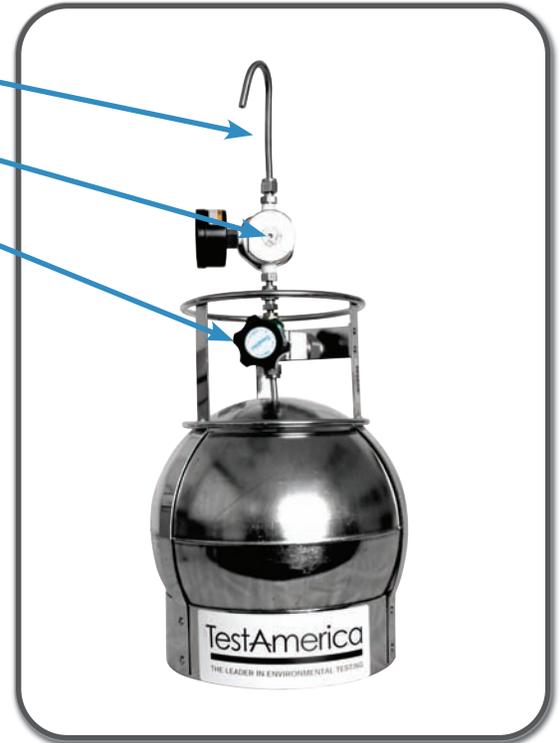


PARTS:

1. Rain Guard
2. Pre-Filter
3. Flow Controller
4. Vacuum Gauge
5. Canister Valve
6. Canister Inlet



Please read the entire set of instructions prior to beginning your sampling activity.
If you have questions, please call your TestAmerica Project Manager.

FIELD LEAK TEST PROCEDURE FOR USE AFTER ATTACHING A FLOW CONTROLLER TO A CANISTER AND PRIOR TO SAMPLING

1. Remove the dust cap attached to the top of the canister inlet. Save the cap so it can be re-installed after sampling is complete. If a rain guard (a.k.a. candy cane) is included and installed, remove the rain guard from the top of the assembly.
2. Attach the flow controller (1/4" female Swagelock™ fitting) to the canister inlet (1/4" male Swagelock™ fitting). Hand tighten the threaded nut being careful not to cross the threads. A poorly seated fitting will result in loss of vacuum and/or sample.
 - a. Important: To ensure that the flow controller is threaded properly, hold the flow controller with one hand, rotating it gently back and forth, while hand tightening the nut. If you are unable to hand tighten the nut to the point that the flow controller can no longer be rotated, first check to see that fitting threads are aligned properly. Then, using a 9/16" flat profile wrench, gently tighten the nut while rotating the flow controller. A 1/3 rotation should be sufficient to securely tighten the Swagelock™ fitting. Once tightened to the canister, the flow controller should not be able to be rotated on the top of the canister by hand.
3. Leave the dust cap on the top of the flow controller. If there is not a dust cap on the top of the flow controller, install one by hand tightening and then using a 9/16" flat profile wrench to gently tighten the cap using a 1/3 rotation.
4. The sampling train is now sealed off from the ambient air. To test the system, open the canister valve briefly (1 to 2 seconds) and then close the valve.
 - a. If the vacuum gauge needle remains constant between -30" to -28" vacuum and you do not hear a leak sound, the system is leak tight and you may begin sampling after you remove the dust cap from the top of the flow controller and install the rain guard, if included and required.
 - b. If you hear a leak sound, or if the vacuum gauge needle moves towards zero, there is a bad connection between the flow controller and canister valve or the dust cap is not sealed properly. Check and tighten these fittings and repeat the leak check procedure.
5. Upon completion of sampling, reattach the dust caps on to the flow controller and canister valve. Place all equipment back into the packaging material and box in the manner in which they were received and return the samples to the TestAmerica lab address provided on the tag.

