

Soil Gas Sampling Kit Instructions

Please read the entire set of instructions prior to beginning your sampling activity.

(If at any point you have questions, please call your TestAmerica Project Manager immediately.)

To begin you will need to connect the:

- Tubing from the Soil Vapor Probe to Valve 1.
- Tubing from Valve 2 to the flow controller device with a Swagelock™ fitting and ferrule (the flow controller should already be attached to the canister).
- Syringe to Valve 3
- See the diagram on page 2

Step 1: "Shut in Test" - This is where you use the vacuum on the canister to ensure you have a leak tight system before purging or sampling.

- Turn Valve 1 to "off" (horizontal to tubing direction).
- Turn Valve 2 so the off switch is pointed towards Valve 3.
- Open the canister for just a second and close.
- The gauge should read approximately 30" Hg.
- Watch the gauge and make sure it does not drop after about 30 seconds. If it does, you have a leak and need to adjust your fittings. If it does not, proceed to Step 2.

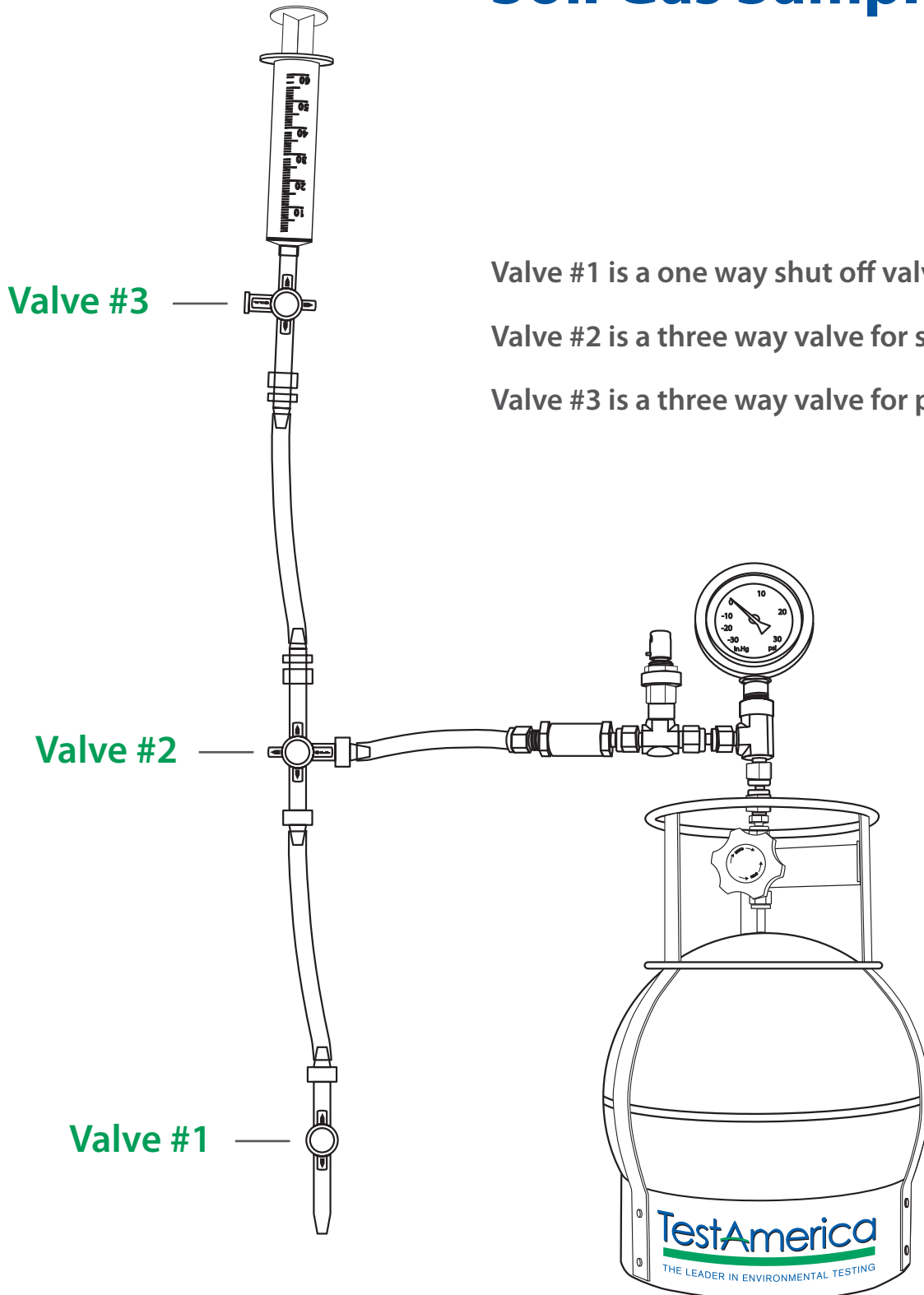
Step 2: Purging the line. This is where you will use the syringe to purge the line before sampling.

- Turn Valve 1 to "on" (vertical to tubing direction).
- Turn Valve 2 so the off switch is pointed towards the flow controller.
- Turn Valve 3 so the off switch is pointed towards the open port.
- Draw air into the syringe. Sample however many mLs you have determined equate to your necessary purge volumes.
- If you need to draw more than one syringe worth of air, turn Valve 3 so the off switch is pointed towards Valve 2, and push the air back through the syringe and out the side port. When you are ready to draw more air, turn Valve 3 back with the off switch pointed towards the open port.
- Once you are done purging, turn Valve 3 so the off switch is pointed towards Valve 2, and proceed to Step 3.

Step 3: Sampling

- Make sure Valve 1 is "on" (vertical to tubing direction).
- Turn Valve 2 so the off switch is pointed towards Valve 3.
- Open the canister valve and begin sampling.

Soil Gas Sampling Kit



Valve #1 is a one way shut off valve

Valve #2 is a three way valve for sampling

Valve #3 is a three way valve for purging