

Silica Sampling Kit with GK2.69 Cyclone - Instructions

Thank You for Purchasing Our Silica Sampling Kit!

This guide will help you correctly set up and use your silica sampling kit to ensure accurate results.

How to Start Sampling Silica

1. Assemble the Sample Train

Please assemble the sampling train according to the provided picture, Figures 1 through 3. Remove the front portion of a 3 piece cassette (blue plug) by inserting a coin in the annular slot closest to the blue plug and twisting, Figure-1. Save the portion removed to reinstall for filter protection after sampling. Press the portion of the cassette containing the filter onto the tapered top of the cyclone - fitted with an orange "O" ring, Figure 2.



Figure-1



Figure-2

2. Next, remove the red plug from the back of the cassette and push in the taper luer plug, which is attached to the hose.
3. Connect the tubing to the sampling pump.
4. Calibrate Pump and Sample Train using a calibrator at 4.2 LPM, Figure-3. Calibrator **NOT** included in kit.
5. Attach the cyclone to the **worker's breathing zone**. Ensure it is not obstructed by clothing or movement. Cyclone must stay upright during sampling, use provided collar clip assembly.
6. Start your sampling.
7. After the sampling is complete, immediately remove the Cassette from the cyclone holder and seal it using the bottom portion of the filter cassette housing and provided plastic plugs.



Figure-3

Tips for Proper Sampling

- ✓ Connect Properly: Ensure the 37mm cassette is connected in the correct orientation. The cassette outlet (red plug) should be positioned upwards, facing toward the pump.
- ✓ Ensure that the Grit pot remains sealed throughout the entire sampling process.
- ✓ After sampling, do not turn the cyclone with the cassette upside down, as this may affect the integrity of the collected sample.
- ✓ Ensure the cyclone is properly seated and sealed to the cassette.