

ENVIRONMENTAL EXPRESS

Industrial Hygiene: Frequently Asked Questions

How do the cassettes hook up to the sampling pumps when monitoring?

For all cassettes, the end marked "outlet" is the end that is attached to the tubing of the pump. For the clear, 25 or 37mm cassettes this is the end with the "wagon wheel" design on it. For the asbestos cassettes this is the "tapered" end of the cassette with the stem.

What type of filter do I need for monitoring Hexavalent chromium?

Hexavalent chromium by either NIOSH 7600 or OSHA ID-215 requires a 5.0 um PVC filter.

Do I need a pre-weighed filter for sampling silica?

To correctly calculate a PEL for silica you do need to also sample for total or respirable dust. This is done using a pre-weighed PVC filter and the same filter is analyzed for dust and silica.

What pore size filter do I need when sampling for asbestos?

This depends on how you are analyzing for asbestos. If you are analyzing by PCM then a 0.8um MCE filter is used. If analyzing by TEM a 0.45um MCE filter is used.

Why do I need a 3-piece cassette for open-faced sampling?

The middle piece of a 3-piece cassette acts as a retaining ring and keeps the filter in place when sampling open-faced.

How do I get the 3M Organic Vapor Monitors (OVMs) to start sampling?

When you open the can the OVM comes in it has started sampling. Keep this in mind when you are ready to attach it to personnel for monitoring.

How do I get the 3M OVMs to stop sampling?

Take the retaining ring surrounding the white membrane off. Peel off the white membrane and discard. Attach the opaque cap with the 2 nipples onto the OVM where the membrane was. The OVM has now stopped sampling.

What material is the Ghost Wipe made from?

The Ghost Wipe is constructed from a polyvinyl alcohol and is made to the specifications of ASTM E1792.

What is the liquid used to moisten the wipe?

DI Water.

What does the Ghost Wipe detect?

Nothing. The Ghost Wipe is used to sample dust on surfaces. After sampling, the wipe must be analyzed by a laboratory for trace metals.

