



Operating Instructions

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Preloaded Coated Filters Cat. No. 225-9007

SKC coated filters are shipped preloaded in the cassettes with end plugs and shrink bands in place. No assembly is required; they are ready to use.

Method & Chemical: OSHA 26 for methyl-mercaptans; NIOSH 2542 for mercaptans (methyl-, ethyl-, n-butyl-); OSHA PV2075 for phenyl-mercaptans

Filter & Coating: Glass fiber filter coated with mercuric acetate. Two-piece 37-mm cassette. Closed-face sampling configuration

Prior to Sampling: Store at ≤ 39.2 F (4 C) for up to 8 months.

Sample Stability: Store samples at ≤ 39.2 F (4 C) for up to 15 days.

For information on other available coated filters, request SKC Publication 1219.

How to Use the SKC Preloaded Coated Filters



Ensure that filter cassettes are at room temperature before sampling.

1. Select one coated filter cassette for calibrating the flow rate. A red plug secures the inlet, which is clearly marked "inlet," and a blue plug secures the outlet. Set up the sampling train for calibration with the representative filter cassette in line. For "closed-face" sampling, remove the plugs and connect the cassette to the sampling train. For "open-face" sampling, remove the outlet plug and the cassette inlet section and then connect the cassette to the sampling train. For details on setting up a sampling train, refer to the SKC Sample Setup Guide "Sampling Train - Filters" (SKC Publication 1922).
2. Calibrate the pump to the desired flow rate using a calibrator.
3. Replace the cassette used for calibration with a fresh coated filter cassette for sample collection. Attach the cassette to a worker's collar, as close to the breathing zone as possible, by using a filter cassette holder (SKC Cat. No. 225-1). Sample for the specified time interval and record the time.
4. Remove the filter cassette at the end of the specified sampling period and replace both end plugs (and the inlet if necessary). Recheck the flow rate using the same cassette and calibrator used for calibration (in Step 2) to ensure that the flow rate has not changed by more than 5%.
5. Store samples at ≤ 39.2 F (4 C) for up to 15 days. Appropriately package samples, blanks, and all pertinent data to send to a lab for analysis. Expedite shipping of samples to laboratory. Friday shipments are not recommended.

SKC Limited Warranty and Return Policy

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