863 Valley View Road, Eighty Four, PA 15330
724-941-9701
skcinc.com

Preloaded Coated Filters
Cat. No. 225-9001*
Operating Instructions

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

Method & Chemical: OSHA ID 1006 for inorganic arsenic; ASTM D4765, NIOSH 7902, and OSHA ID 110 for fluorides. IRSST* Canadian Patent # 1,299,144

Filter & Coating: Mixed cellulose-ester filter with porous plastic support pad, untreated, and cellulose support pad coated with aqueous sodium carbonate. Three-piece 37-mm cassette. Closed-face sampling configuration

Prior to Sampling: Store at 71.6 F (22 C). Limited shelf-life; check expiration date on packaging

Sample Stability: No storage stability data is available.

For information on other available coated filters, go to www.skcinc.com.

* *Concept of sampling fluorides in air using double filter patented in Canada by IRSST, Institut de recherche Robert-Sauvé en santé et en sécurité du travail (Quebec Occupational Health and Safety Research Institute), 21 APR 92.*

How to Use SKC Preloaded Coated Filters

1. Select one coated filter cassette for verifying 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 flow rate verification 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, see the SKC Sample Setup Guide “Sampling Train - Filters” at www.skcinc.com/knowledgecenter.
2. Verify the pump flow rate using a flowmeter.
3. Replace the cassette used to verify flow rate 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 flowmeter used in Step 2 to ensure that the flow rate has not changed by more than 5%.
5. Appropriately package filter cassettes and ship the samples, blanks, and all pertinent data to a laboratory for analysis.