



Operating Instructions

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Preloaded Coated Filters Cat. No. 225-9001*

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 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) for up to two years.

Sample Stability: No storage stability data is available.

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

* 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 the SKC Preloaded Coated Filters

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. Appropriately package filter cassettes and ship the samples, blanks, and all pertinent data to a laboratory for analysis.

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinc.com/warranty>.