



## Operating Instructions

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### Preloaded Coated Filters Cat. No. 225-9016

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:** EPA 14A for particulate fluoride

**Filter & Coating:** 2 PVC filters and cellulose pads; sodium formate/Metricel® filter; uncoated and cellulose pad. Four-piece 37-mm cassette. Closed-face sampling configuration

**Prior to Sampling:** Store at 71.6 F (22 C) for up to one year.

**Sample Stability:** No storage stability data is available.

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

## 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 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 and Cyclones" (SKC Publication 1166).
2. Calibrate the pump to the desired flow rate using a film flowmeter or calibrated precision rotameter. For details on calibrating a pump, refer to the SKC Sample Setup Guide "Calibrating a Pump Using a Film Flowmeter" (SKC Publication 1163).
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 flowmeter 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.asp>.*