



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

## **Preloaded Coated Filters**

### **Cat. No. 225-9006**

### **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:** NIOSH 6011 for bromine and chlorine

**Filter & Coating:** 0.5- $\mu\text{m}$  PTFE pre-filter with porous plastic support pad and a specially cleaned 0.45- $\mu\text{m}$  silver membrane filter with porous plastic support pad. Three-piece 25-mm carbon-filled polypropylene cassette with cowl. Closed-face sampling configuration

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

**Sample Stability:** Store samples at 77 F (25 C) for up to 30 days or at  $\leq$  39.2 F (4 C) for up to 60 days.

- \* **Note:** Use a sample pump capable of maintaining constant flow at 1 L/min for up to 30 minutes at high back pressure. *SKC recommends the AirChek<sup>®</sup> TOUCH or equivalent.*

***For information on other available coated filters, go to [www.skcinc.com](http://www.skcinc.com).***

## How to Use 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” at [www.skcinc.com/knowledgecenter](http://www.skcinc.com/knowledgecenter).
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. See *Sample Stability on reverse side for sample storage*. Appropriately package filter cassettes and ship the samples, blanks, and all pertinent data to a laboratory for analysis.

**\*Note:** Use a sample pump capable of maintaining constant flow at 1 L/min for up to 30 minutes at high back pressure. SKC recommends the AirChek® TOUCH or equivalent.

### **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 [skcinc.com/warranty](http://skcinc.com/warranty).