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## **Preloaded Coated Filters Cat. No. 225-9018 Operating Instructions**

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 1003 for phosphine

**Filter & Coating†:** One glass fiber filter (untreated) and one polyester filter treated with mercuric chloride loaded into a three-piece 37-mm cassette in closed-face sampling configuration

**Prior to Sampling:** Store at  $\leq 39.2$  F (4 C). Limited shelf-life; check expiration date on packaging.

**Sample Stability:** Store samples at  $\leq 39.2$  F (4 C) or 71.6 F (22 C) for up to 17 days.

*† Custom order due to very limited shelf-life.*

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

## How to Use SKC Preloaded Coated Filters



Ensure that filter cassettes are at room temperature before sampling.

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, refer to the SKC Sample Setup Guide “Sampling Train – Filters” at [www.skcinc.com/knowledgecenter](http://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. *See Sample Stability on reverse side for sample storage.* 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**

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).