



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

## **Preloaded Coated Filters**

### **Cat. No. 225-9004**

### **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 2017\* for Aniline, Nitrobenzene, o-Toluidine. NIOSH 5029 for 4,4'-Methylenedianiline (MDA). OSHA 57 for 4,4'-Methylenedianiline (MDA). OSHA 65 for Benzidine, 3,3'-Dichlorobenzidine, Toluene-2,4-diamine, 2,4-Toluenediamine, 2,6-Toluenediamine. OSHA 71 for o-Dianisidine, 4,4'-Methylenebis(2-chloroaniline) (MOCA), o-Tolidine. OSHA 73 for Toluidine (m-, o-, p-). OSHA 78 for Diphenylamine, N-Isopropyl aniline. OSHA 87 for Phenylenediamine (m-, o-, p-). OSHA 93 for 4-Aminobiphenyl, alpha- Naphthylamine, beta- Naphthylamine. OSHA 105 for m-Xylenediamine (mXDA), p-Xylenediamine (pXDA). OSHA PV2143 for Aminopyridine (2-, 3-, 4-).

*\* NIOSH 2017 also requires SKC Sorbent Tube Cat. No. 226-15.*

**Filter & Coating:** 2 glass fiber filters coated with sulfuric acid. 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:** Refer to the methods above.

***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 Storage and Stability on reverse side*. Analyze samples as soon as possible. Appropriately package samples, blanks, and all pertinent data to send to a lab 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 [skcinc.com/warranty](http://skcinc.com/warranty).*