



Coated Filter Selection Guide For Vapors and Aerosols

- Economical
- Ready to use
- Convenient alternative to impingers
- Meet agency method specifications

Tech Tips

Coated Filters for Diisocyanates

► While meeting the specifications of OSHA Methods 42 and 47, Coated Filter Cat. No. 225-9002 contains a higher than specified loading of reagent to increase stability and shelf-life. Coated Filter Cat. No. 225-9002 traps both vapor and aerosol phases. SKC also offers Coated Filter Cat. No. 225-9013 that contains the specified reagent loading for OSHA Methods 42 and 47, but has a freezer shelf-life of only three months.

New!

Coated Filters for Cr (VI) in Chrome Plating Operations

SKC offers a new coated filter that meets the specifications of OSHA Method ID-215 (V.2) for the collection of hexavalent chromium (Cr (VI)) in chrome plating operations without field extraction. The 37-mm quartz filter is coated with sodium hydroxide (NaOH) and preloaded into a ready-to-use 2-piece polystyrene cassette. Cassettes are individually packaged in aluminized pouches. Each set of 10 includes plastic forceps for filter handling during analysis. See ordering at right, Cat. No. 225-9024.

* Coated filters have a limited shelf-life.

† Custom order due to very limited shelf-life

Δ ASTM D5836 and D5932 for 2,4-TDI, 2,6-TDI only

◇ Filters only; not preloaded in cassettes

§ Storage below 39.2 F (4 C) required

¥ Also requires sorbent tube Cat. No. 226-15

‡ See Tech Tip above

Patented in Canada by IRSST (Institut de recherche Robert-Sauvé en santé et en sécurité du travail du Québec), Patent No. 1,299,114.

Σ Meets multiple ASTM methods.

∞ See additional methods in the Sampling Guide.

Chemical	Method [∞]	Preloaded Filter; Coating (in 37-mm cassettes)	Cat. No.*	Qty.
Acetic anhydride	OSHA 82	2 Glass filters; 1-(2-pyridyl) piperazine	225-9009 §	10
Acetic anhydride	OSHA 102	2 Glass filters; veratrylamine & di-n-octyl phthalate	225-9010 †	10
4-Aminobiphenyl	OSHA 93	2 Glass filters; sulfuric acid	225-9004	10
Aniline	NIOSH 2017 ¥ MDHS 75	2 Glass filters; sulfuric acid	225-9004 ¥	10
Arsenic, volatile compounds	OSHA ID 105	1 MCE filter & cellulose pad; sodium carbonate	225-9001	10
Benzidine	OSHA 65	2 Glass filters; sulfuric acid	225-9004	10
Bromine Chlorine	NIOSH 6011	1 25-mm Teflon pre-filter & polypropylene support; 1 25-mm specially cleaned silver membrane & polypropylene support (in 25-mm cassette)	225-9006	5
Crotonaldehyde	OSHA 81	2 Glass filters; 2,4-dinitrophenylhydrazine and phosphoric acid	225-9019 §	10
o-Dianisidine	OSHA 71	2 Glass filters; sulfuric acid	225-9004	10
3,3'-Dichlorobenzidine	OSHA 65	2 Glass filters; sulfuric acid	225-9004	10
Diisocyanates (HDI; 2,6-TDI; 2,4-TDI)	ASTM D5836 Δ OSHA 42 ‡	1 Glass filter & cellulose support; 1-(2-pyridyl) piperazine ‡	225-9013 §† 225-9002 ‡§	10 10
Diphenylamine	OSHA 78	2 Glass filters; sulfuric acid	225-9004	10
Fluorides	OSHA ID 110 NIOSH 7902 & 7906 ASTM D4765	1 MCE filter & cellulose pad; sodium carbonate	225-9001 #	10
Fluoride, particulates	EPA 14A (Not TO-14A)	2 PVC filters & supports; sodium formate/Metricel® filter; uncoated	225-9016	10
Glutaraldehyde	OSHA 64 MDHS 93	2 Glass filters; 2,4-dinitrophenylhydrazine and phosphoric acid	225-9003 §	10
Hexavalent chromium (Cr (VI))	OSHA ID 215 (V.2)	1 Quartz filter; sodium hydroxide	225-9024	10
Hydrazine	OSHA 108	2 Glass filters; sulfuric acid	225-9012	10
Isocyanates	ASTM Σ	1 PTFE filter; 1 Glass filter treated with MAMA (ISO-CHEK Sampling System)	225-9022 225-9022A	12 36
Isocyanates, organic	MDHS 25/3 (U.K.)	1 25-mm AE Glass filter; methoxyphenyl piperazine◇	225-9011 ◇§	5
n-Isopropylaniline	OSHA 78	2 Glass filters; sulfuric acid	225-9004	10
Maleic anhydride	OSHA 86	2 Glass filters; veratrylamine	225-9021 §	10
Mercaptans (methyl-, ethyl-, n-butyl-, and phenyl-)	NIOSH 2542 OSHA 26	1 Glass filter; mercuric acetate	225-9007 §	10
4,4'-Methylene bis (2-chloroaniline) (MOCA)	MDHS 75 OSHA 71	2 Glass filters; sulfuric acid	225-9004	10
Methylene bisphenyl (MDI)	OSHA 47 ‡	1 Glass filter & cellulose support; 1-(2-pyridyl) piperazine‡	225-9013 §† 225-9002 ‡§	10 10
4,4'-Methylenedianiline	OSHA 57 NIOSH 5029 MDHS 75	2 Glass filters; sulfuric acid	225-9004	10
1-Naphthylamine, 2-Naphthylamine	OSHA 93	2 Glass filters; sulfuric acid	225-9004	10
Nitrobenzene	NIOSH 2017 ¥	2 Glass filters; sulfuric acid	225-9004 ¥	10
Ozone	OSHA ID 214	2 Glass filters; nitrite-impregnated	225-9014 †§	10
n-Phenyl 1-naphthylamine and n-Phenyl 2-naphthylamine	OSHA 96	2 Extra thick glass filters; ascorbic acid	225-9015 §	5
Phenylenediamine (o-, m-, p-)	OSHA 87	2 Glass filters; sulfuric acid	225-9004	10
Phosphine	OSHA 1003	1 Glass filter; 1 polyester filter treated with mercuric chloride	225-9018 †§	10
Sulfur dioxide	NIOSH 6004 (modified)	1 MCE pre-filter & support/1 cellulose filter & support; sodium carbonate	225-9005	10
2,4-Toluenediamine	OSHA 65	2 Glass filters; sulfuric acid	225-9004	10
2,6-Toluenediamine	OSHA 65	2 Glass filters; sulfuric acid	225-9004	10
o-Tolidine	OSHA 71	2 Glass filters; sulfuric acid	225-9004	10
o-Toluidine	NIOSH 2017 ¥ MDHS 75	2 Glass filters; sulfuric acid	225-9004 ¥	10
Toluidine (o-, m-, p-)	OSHA 73 MDHS 75	2 Glass filters; sulfuric acid	225-9004	10
Valeraldehyde	OSHA 85	3 Glass filters; 2,4-dinitrophenylhydrazine and phosphoric acid	225-9020 §	10
m-Xylenediamine (m-XDA, p-XDA)	OSHA 105	2 Glass filters; sulfuric acid	225-9004	10

Blank Cassettes

SureSeal Certified Leak-free Cassette Blanks

Require the use of a SureSeal Cassette Opener (see p. 90).

Diameter (mm)	Type	Description	Cat. No.	Qty.
Air Monitoring Cassette Blanks				
25	2-pc	Styrene, clear	225-2-25LF	50
			225-2258	100
25	3-pc	Styrene, clear	225-3-25LF	50
			225-2259	100
25	Middle Ring	Styrene, clear, 1/2-in	225-300R	50
37	2-pc	Styrene, clear	225-2LF	10
			225-2050LF	50
			225-2250	250
37	3-pc	Styrene, clear	225-3LF	10
			225-3050LF	50
			225-3250	250
37	2-pc	Styrene, opaque brown	225-4	50
37	3-pc	Styrene, opaque brown	225-8451	50
37	Middle Ring	Styrene, clear, 1/2-in	225-304	50
Solvent-resistant* Air Monitoring Cassette Blanks				
<i>Compatible with most solvents*</i>				
25	2-pc goblet style	Polypropylene, opaque white	225-8481	50
25	3-pc goblet style	Polypropylene, opaque white	225-8585	50
37	2-pc	Polypropylene, opaque white	225-8483	50
37	3-pc	Polypropylene, opaque white	225-45	10
			225-45A	50
Conductive Air Monitoring Cassette Blanks				
<i>For reducing sample loss due to electrostatic effects; required for asbestos sampling</i>				
25	3-pc, 2-in middle cowl	Polypropylene, conductive black	225-3-23	50
25	3-pc, 1/2-in middle ring	Polypropylene, conductive black	225-329	50
25	2-pc	Polypropylene, conductive black	225-2257	50
37	2-pc	Polypropylene, conductive black	225-308	50
37	3-pc	Polypropylene, conductive black	225-309	50
47	2-pc	Polypropylene, conductive black	225-8496	16
47	3-pc	Polypropylene, conductive black	225-8497	16

* For solvent compatibility list, contact SKC or visit www.skcinc.com.

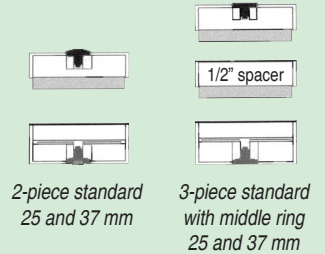
Cassette Shrink Bands

Specifically designed for use with sampling cassettes, SKC Cassette Shrink Bands are self-sealing, provide a smooth writing surface for sample identification, and make tampering evident.

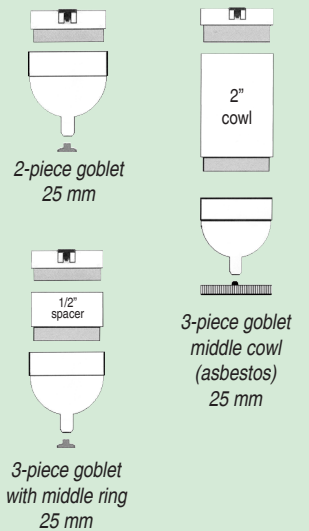


Description	Cat. No.	Qty.	Cat. No.	Qty.
25 mm, white	225-2503	100	225-2503A	1000
25 mm, clear	—	—	225-2510	1400
25 mm, yellow	—	—	225-2514	1400
37 mm, white	225-25	100	225-25A	1000
37 mm, clear	225-2509	100	225-2509A	1000
37 mm, orange	225-2504	100	225-2504A	1000
37 mm, yellow	225-2507	100	225-2507A	1000
37 mm, red	225-2508	100	225-2508A	1000
37 mm, blue	225-2511	100	225-2511A	1000
37 mm, black	—	—	225-2515A	1000

Standard-style Cassettes



Goblet-style Cassettes



Tech Tips

- ▶ Closed-face filter sampling requires a 2 or 3-piece cassette with the inlet section in place and the sealing plugs removed.
- ▶ Open-face filter sampling requires a 3-piece cassette with the cassette inlet section removed.
- ▶ Use a 3-piece cassette with SKC cyclones. Insert the cyclone into the middle ring.

For Cyclones
see pages 94-95