SKC Quality Sorbent Tubes

SKC on the Outside Means Quality on the Inside

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SKC was the first to bring the NIOSH sorbent tube design to the commercial market over 40 years ago.

SKC leads the way in sorbent tube research to make quality sorbent tubes available for protecting workers and public health.

Over 100 SKC Sorbent Tubes are available for standard and specialty applications. SKC also manufactures custom sorbent tubes to your specifications.

Look for the SKC name when choosing sorbent tubes. SKC brings to you over 40 years of expertise, the support of experienced technical professionals, low background sorbents, quality manufacturing, QC data online, repeatable performance, and accurate sampling.

- Meet NIOSH and OSHA specifications
- High-quality, low-background sorbents
- SKC quality control ensures sorbents and tubes meet high standards
 - Accurate sorbent weights
 - Consistent method-specified mesh size and separators
 - Tested for uniform back pressure
 - Accurate, repeatable results
- Large batch production of Anasorb[®] CSC Lot 2000 charcoal to ensure availability for many years
- Backup sorbent layer for breakthrough indication
- Validation of reliability
 - Specified in OSHA, NIOSH, and EPA methods
 - Used by health and safety professionals around the world for compliance and consulting
- Sorbent background certification available online (see right)



Anasorb

A Trademark of Quality

In 1973, SKC made the first commercial sorbent tube. Since then, SKC has led advancements in sorbent tube technology. To more easily identify SKC proprietary sorbents in air sampling methods, the registered trademark, Anasorb, is used for SKC proprietary sorbents of all types.

Sorbent Equivalencies

Anasorb	Equivalent Sorbent
708	Chromosorb 108
700	Chromosorb 106
C300	
	Hydrar, Carulite
CSC	None
747	None
GCB1	Carbotrap B (20/40)
	Carbopack B (60/80)
GCB2	Carbotrap C (20/40)
	Carbopack C (60/80)

Seeing is Believing! Visit www.skcinc.com/catalog/ infopage.php?id=5200 to





For Sample Pumps see pages 4-29

Selection Guide

Sorbent Tube Selection Guide

To select a tube for a specific compound, refer to the SKC Sampling Guide on catalog pages 143-211 or search the online Sampling Guide at www.skcinc.com for methods and required sorbent tubes.



Limited shelf-life; contact SKC for more information † Anasorb C300 is equivalent to Hydrar and Carulite.

◊ Limited shelf-life; refrigerator/freezer storage may be required. Contact SKC.

TUBE ENDS: GS: Glass Sealed GO: Glass Open SS: Stainless Steel Open SEPARATORS: W: Glass Wool G: Glass Fiber Filter F: Foam T: PTFE Ring S: Screen N: Nylon Ring Q: Quartz Filter R: Glass Spacer

For compliance sampling, use tubes as specified in a validated sampling method. It is the user's responsibility, employing a suitable method, to establish appropriate safety and health practices and to determine the applicability of regulatory limitations before use. The user should adjust the sampling parameters for specific conditions and evaluate tubes under conditions of use to ensure that the desired results will be obtained.



- Produced the first commercial sorbent tube
- Over 40 years of proven performance!
- ✓ Validation and reliability SKC tubes are specified and used by OSHA, NIOSH, EPA, and health and safety professionals around the globe for compliance and consulting.
- High-quality, lowbackground sorbents
- Consistent methodspecified mesh size and separators maintain uniform back pressure and breakthrough volumes.
- ✓ Large batch production Anasorb CSC Lot 2000 charcoal will be available for many years.
- Sorbent background certification available online
- **Backup sorbent layer** for breakthrough indication

✓ Technical backup SKC technical experts provide fast, accurate answers to your questions.

Easy-off "hat" caps on specialty tubes



For tube holders and accessories see pages 50-51

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Selection Guide

Tech Tips

Sorbent Tube Selection Guide

To select a tube for a specific compound, refer to the SKC Sampling Guide on catalog pages 143-211 or search the online Sampling Guide at www.skcinc.com for methods and required sorbent tubes.

		Size (mm)	Sections	Sorbent			Tube	
Cat. No.	Sorbent (treatment)	ODxL		(mg)	Ends	Separators	Cover	Qty.
226-35-03	Tenax TA	8 x 110	2	100/50	GS	WWW	В	50
226-35031	Tenax TA	8 x 110	2	100/50	GS	WWW	В	10
226-36	JXC Charcoal	8 x 150	2	630/315	GS	FWW	С	50
226-37	Anasorb CSC, Coconut Charcoal Anasorb CSC, Coconut Charcoal	8 x 110 8 x 110	1 1	400 200	GS	[fw fw	D	50 sets
226-39	Florisil	6 x 70	2	100/50	GS	WWW	Α	50
226-39-02	Florisil	8 x 110	2	400/200	GS	WWW	В	50
226-40 [◊]	Oxidizer Molecular Sieve (triethanolamine) (2 tubes)	[^{7 x 110} 7 x 70 (2)	1 1	6 800 (2)	GS	[www	_	10 sets
226-40-02*	Molecular Sieve (triethanolamine)	7 x 110	2	400/200	GS	WWW	В	50
226-42*	Silica Gel (sulfuric acid)	8 x 110	2	200/200	GS	WWW	В	50
226-42-02*	Firebrick (gas chrom-R) (sulfuric acid)	7 x 70	1	300	GS	WW	В	50
226-44	Drying Tube	6 x 70	1	250	GS	WW	—	50
226-44-02	Drying Tube	10 x 160	1	900	GS	WW	—	50
226-47-01	Silica Gel	6 x 70	2	100/50	GS	WWW	A	50
226-48	Silica Gel	7 x 110	2	150/150	GS	WWW	В	50
226-49-102	Chromosorb 102	6 x 70	2	66/33	GS	WWW	Α	50
226-49-106	Chromosorb 106	6 x 70	2	75/37	GS	WWW	Α	50
226-49-108	Anasorb 708	6 x 70	2	75/37	GS	WWW	A	50
226-51	Silica Gel	6 x 70	2	100/50	GS	FWW	A	50
226-53*	Silica Gel (sulfuric acid)	6 x 70	2	150/75	GS	WWW	A	50
226-54 [◊]	XAD-2 (2-hydroxymethyl piperidine)	6 x 70	2	45/23	GS	WWW	A	20
226-55*	Silica Gel (sodium hydroxide)	7 x 70	2	150/75	GS	WWW	В	20
226-56* (OVS)	Tenax TA/Glass Fiber Filter	13→8 x 75	2	140/70	GO	FFGT	V	10
226-57* (OVS)	XAD-7/Glass Fiber Filter	13→8 x 75	2	200/100	GO	FFGT	V	10
226-57A* (OVS)	XAD-7/Glass Fiber Filter	13→8 x 75	2	200/100	GO	FFGT	V	50
226-58* (OVS)	XAD-2/Quartz Filter	13→8 x 75	2	270/140	GO	FFQT	V	10
226-58A* (OVS)	XAD-2/Quartz Filter	13→8 x 75	2	270/140	GO	FFQT	V	50
226-59-01	Porapak-N	6 x 70	2	88/44	GS	WWW	Α	50
226-59-03	Porapak-Q	6 x 70	2	78/39	GS	WWW	A	50
226-59-04	Porapak-R	6 x 70	2	70/35	GS	WWW	A	50
226-61* 226-61A*	Silica Gel/Charcoal (charcoal treated with sodium hydroxide)	10 x 210 10 x 210	3 3	750/1250/250 750/1250/250	GS GS	W W R W W R W W	D D	50 20
226-67*	Anasorb CSC, Coconut Charcoal (potassium hydroxide)	6 x 70	2	100/50	GS	WRWW	A	50
226-68 ⁽⁾	JXC Charcoal, Drierite (hydroquinone)	8→6 x 160	3	1600/160/110	GS	WWWW	D	20
226-70A [◊]	Silica Gel (p-methoxyphenol)	8 x 150	2	1200/600	GS	WWW	С	10
226-73*	Anasorb CSC, Coconut Charcoal (t-butylcatechol)	6 x 70	2	100/50	GS	w w w	A	50
226-75	Anasorb 727 [¥]	8 x 110	2	300/150	GS	WWW	В	20
226-80*	Anasorb 747 (potassium hydroxide)	6 x 70	2	100/50	GS	FWW	A	50
226-81A	Anasorb 747	6 x 70	2	140/70	GS	FWW	A	20
Limited shelf-life: contact SKC for more information ¥ Anasorb 727 is equivalent to Chromosorb 106.								

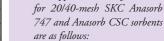
* Limited shelf-life; contact SKC for more information ¥ Anasorb 727 is equivalent to Chromosorb 106.

♦ Limited shelf-life; refrigerator/freezer storage may be required. Contact SKC.

TUBE ENDS: GS: Glass Sealed GO: Glass Open SS: Stainless Steel Open

SEPARATORS: W: Glass Wool G: Glass Fiber Filter F: Foam T: PTFE Ring S: Screen N: Nylon Ring Q: Quartz Filter R: Glass Spacer

For compliance sampling, use tubes as specified in a validated sampling method. It is the user's responsibility, employing a suitable method, to establish appropriate safety and health practices and to determine the applicability of regulatory limitations before use. The user should adjust the sampling parameters for specific conditions and evaluate tubes under conditions of use to ensure that the desired results will be obtained.



- Anasorb 747 is 980 m²/gm

The approximate surface areas

- Anasorb CSC is 1200 m²/gm
- Q: Is it possible to increase the flow rate of a method to lower the detection limit?

A: NIOSH recommends not exceeding the method-stated maximum flow rate. Instead, sample for a longer period and monitor closely for breakthrough.

Standard of Good Practice

Use inert PTFE tubing to connect two tubes in series or for other applications in which the air sample comes into contact with the tubing before collection onto the sampling media.



For Sample Pumps see pages 4-29

Selection Guide/QC Spikes



LEED Green Buildings Formaldehyde Indoor Air Maximum Concentration: 27 ppb. Maximum concentration in health care facilities is 16.3 ppb.

See formaldehyde sorbent tube Cat. No. 226-119 or 226-120 at right.

Source: LEED for New Construction Rating System v4 (U.S. Green Building Council, http://www.usgbc.org)

		Size (mm)	Sections	Sorbent			Tube	
Cat. No.	Sorbent (treatment)	OD x L		(mg)	Ends	Separators	Cover	Qty.
226-82	Anasorb 747 Anasorb 747	8 x 110 8 x 110	1 1	400 200	GS	[^{F W} F W	D	20 sets
226-83	Anasorb 747	8 x 110	2	400/200	GS	FWW	В	50
226-84	Anasorb 747	10 x 110	2	800/200	GS	FWW	С	20
226-92*	Polyurethane Foam (PUF)	22 x 100	1	76 mm	GO	—	Р	ea
226-93	XAD-4	7 x 70	2	80/40	GS	WWW	В	50
226-94	XAD-7	6 x 70	2	60/30	GS	WWW	А	50
226-95	XAD-7	6 x 110	2	100/50	GS	WWW	В	50
226-96*	XAD-7 ([NBD] chloride)	8 x 110	2	100/50	GS	WWW	В	50
226-97	XAD-7 (specially cleaned) XAD-7 (2 tubes)	8 x 110 8 x 110 (2)	1 1	[175 175 (2)	GS	[^{wgw} ww	-	20 sets
226-98*	XAD-7 (phosphoric acid)	6 x 70	2	80/40	GS	WWW	А	50
226-99* (OVS)	Silica Gel/Glass Fiber Filter	13→8 x 75	2	520/260	GO	FFGT	V	10
226-106A	Chromosorb 102	8 x 110	2	200/100	GS	WWW	В	20
226-107	Chromosorb 102	8 x 110	2	100/50	GS	WWW	В	50
226-110	Chromosorb 106	7 x 70	2	100/50	GS	WWW	В	50
226-111A	Chromosorb 106	10 x 150	2	600/300	GS	WWW	С	10
226-114	Porapak-P	6 x 110	2	100/50	GS	FWW	В	50
226-115	Porapak-Q	6 x 110	2	150/75	GS	WWW	В	50
226-116A*	Porapak-T Porapak-T	6 x 40 6 x 40	1 1	[⁷⁵ 25	GO	[^{ww} _{ww}	В	10 sets
226-117 [◊]	XAD-2 (2-hydroxymethyl piperidine)	6 x 110	2	150/75	GS	WWW	В	20
226-118 ⁽⁾	XAD-2 (2-hydroxymethyl piperidine)	6 x 110	2	120/60	GS	WWW	В	20
226-1190	High-purity Silica Gel with low back-	6 x 110	2	300/150	GS	W W W	В	20
226-119A [◊] 226-119-7	ground (2,4-dinitrophenylhydrazine)	6 x 110 7 x 110	2 2	300/150 300/150	GS GS	W W W W W W	B B	100 20
226-120 ⁰	High-purity Silica Gel with low back- ground (2,4-dinitrophenylhydrazine) with built-in ozone scrubber	8 x 115	3	1500/ 300/150	GS	wwww	D	20
Limited shelf-life; contact SKC for more information \diamond Limited shelf-life; refrigerator/freezer storage may be required. Contact SKC.								

TUBE ENDS: GS: Glass Sealed GO: Glass Open SEPARATORS: W: Glass Wool G: Glass Fiber Filter F: Foam T: PTFE Ring S: Screen N: Nylon Ring Q: Quartz Filter R: Glass Spacer

For compliance sampling, use tubes as specified in a validated sampling method. It is the user's responsibility, employing a suitable method, to establish appropriate safety and health practices and to determine the applicability of regulatory limitations before use. The user should adjust the sampling parameters for specific conditions and evaluate tubes under conditions of use to ensure that the desired results will be obtained.

SKC makes laboratory quality control easy with its pre-spiked Formaldehyde SPIKES sorbent tubes. SPIKES are 6 x 110-mm (OD x L) glass-sealed sorbent tubes. Each tube contains two sections (300/150 mg) of high-purity (low-background) silica gel sorbent treated with 2,4-dinitrophenylhydrazine and glass wool separators (WWW). The 300-mg section is spiked with formaldehyde to ± 25% of the stated target level. Formaldehyde SPIKES are stocked at these commonly requested levels and are sold in packages of 10.



For continuous formaldebylde measurement see the Formaldehyde Multimode Monitor on page 136



7.5 µg 10.0 µg

Spike Level

1.0 µg

3.0 µg

5.0 µg

SKC Formaldehyde SPIKES QC Media

Cat. No.

227-111

227-112

227-113

227-114

227-115

Qty.

10

10

10

10

10

To select a tube for a specific compound, refer to the SKC Sampling Guide on catalog pages 143-211 or search the online Sampling Guide at www.skcinc.com for methods and required sorbent tubes.

S

Selection Guide/Bulk Sorbents

Sorbent Tube Selection Guide

To select a tube for a specific compound, refer to the SKC Sampling Guide on catalog pages 143-211 or search the online Sampling Guide at www.skcinc.com for methods and required sorbent tubes.

Cat. No.	Sorbent (treatment)	Size (mm) OD x L	Sections	Sorbent (mg)	Ends	Separators	Tube Cover	Qty.
226-124*	PUF/Tenax TA/PUF	22 x 100	3	3 cm/750 mg/ 3 cm	GO	_	Р	ea
226-126*	PUF/Glass Fiber Filter	22 x 100	1	76 mm	GO	FSGN	Р	ea
226-129*	PUF/XAD-2/PUF	65 x 125	3	50 mm/10 gm/ 25 mm	GO	-	_	ea
226-131*	PUF	65 x 125	1	75 mm	GO	_	_	ea
226-134*	Tenax TA	16 x 125	1	1.6 gm	GO	WW	_	ea
226-142*	Carbon Beads/PTFE Filter (carbon beads treated with potassium hydroxide)	16→8 x 85	2	100/50	GO	wwwtt	_	5
226-143*	PUF/XAD-2/PUF	22 x 100	3	3 cm/1500 mg/ 3 cm	GO	_	Р	ea
226-151 [◊]	Charcoal (proprietary coating)	6 x 70	2	100/50	GS	WWW	A	20
226-153 ⁽⁾	XAD-2 (di-n-butylamine)	8 x 110	2	400/200	GS	WWW	В	20
226-154	Anasorb 747	6 x 70	1	200	GS	W W	A	50
226-165A ⁽⁾	Silica Gel (mercuric cyanide)	6 x 110	2	300/150	GS	WWW	В	20
226-170	XAD-4	6 x 70	1	120	GS	W W	A	20
226-171*	Anasorb 747/Tenax TA	16 x 125	2	5.2 gm/1.2 gm	GO	W W	—	ea
226-175	XAD-4	8 x 150	2	400/200	GS	WWW	—	20
226-176	Silica Gel (hydrochloric acid)	10 x 150	3	700/150/150	GS	WWWW	С	20
226-177 [◊]	Silica Gel (silver nitrate)/Glass Fiber Filter (sodium carbonate/glycerol)	16→8 x 85	2	200/200	GO	TTTWW	_	5
226-178 ⁽⁾	Anasorb 747 (hydrobromic acid)	6 x 70	2	100/50	GS	WWW	A	20
226-182 [◊]	Molecular Sieve (triethanolamine) and oxidizer	10 x 110	3	400/800/400	GS	wwww	с	50
226-183	Silica Gel (specially washed and baked)/Glass Fiber Filter	[^{7 x 110} 7 x 110	1 1	600 600	GS	[wgw wgw	D	20 sets

Standard of Good Practice

Maintain the sorbent tube in a vertical position when sampling. This position will prevent the sorbent from falling away from the wall of the glass tube and creating a small channel for the air to pass through without adsorbing onto the sorbent.



For Formaldebyde SPIKES QC media see page 40

* Limited shelf-life; contact SKC for more information

◊ Limited shelf-life; refrigerator/freezer storage may be required. Contact SKC.

TUBE ENDS: GS: Glass Sealed GO: Glass Open

SEPARATORS: W: Glass Wool G: Glass Fiber Filter F: Foam T: PTFE Ring S: Screen N: Nylon Ring Q: Quartz Filter

For compliance sampling, use tubes as specified in a validated sampling method. It is the user's responsibility, employing a suitable method, to establish appropriate safety and health practices and to determine the applicability of regulatory limitations before use. The user should adjust the sampling parameters for specific conditions and evaluate tubes under conditions of use to ensure that the desired results will be obtained.

SKC Quality Bulk Sorbents for Laboratory QA/QC Requirements

- Meet stringent specifications for environmental applications
- Undergo extensive cleaning procedures to ensure low backgrounds

Sorbent	Mesh Size	Amount (grams)	Cat. No.
Anasorb CSC	20/40	100	P2260101
Silica Gel	20/40	100	P22610
Tenax GR	20/35	10	P226124
Tenax TA	35/60	10	P226125
	20/35	10	P226126
Anasorb GCB2	20/40	10	P226127
Anasorb GCB1	20/40	10	P226128
	60/80	10	P226132
Anasorb C300	20/40	100	P226171
Anasorb 747	20/40	100	P226200



For Sample Pumps see pages 4-29

Selection Guide/PAA Tubes

Sorbent Tube Selection Guide

To select a tube for a specific compound, refer to the SKC Sampling Guide on catalog pages 143-211 or search the online Sampling Guide at www.skcinc.com for methods and required sorbent tubes.

Section Sorbent Tube Size (mm) Cat. No. Sorbent (treatment) OD x L Ends Separators Cover Qty. (mg) 226-186⁽ 1 GS WW В Oxidizer 7 x 110 800 20 226-188⁽⁾ Silica Gel (2.4-dinitrophenylhydrazine) 10 x 110 2 800/200 GS WWW С 20 226-191 Silica Gel (o-phenylenediamine) 8 x 110 2 520/260 GS WWW В 50 226-192 XAD-2/XAD-2/Anasorb CSC 8 x 110 3 50/100/150 GS WWWW В 50 226-193-UC Silica Gel (MTSO) 7 x 110 1 800 GS WW В 20 Anasorb CSC, Coconut Charcoal 226-196 8 x 110 2 400/200 GS WWW В 20 (t-butylcatechol) 226-199-UC Silica Gel (MTSO) 8 x 110 2 800/200 GS WGW В 20 226-330* Anasorb GCB2/GCB1/Carbosieve S-III 6 x 115 3 250/150/100 GO WWWW N/A ea 226-339# Tenax TA 1/4 x 3-1/2 in 1 100 GO WW N/A ea 226-340^र Tenax TA 1/4 x 3-1/2 in 1 100 SS SWWS N/A ea 226-341^{#§}° Carbosieve S-III 1/4 x 3-1/2 in 1 100 SWWS N/A SS ea 226-345^र Tenax GR/Anasorb GCB1 1/4 x 3-1/2 in 2 125/120 WWW GO N/A ea 226-346^र Anasorb GCB1/Carbosieve S-III 1/4 x 3-1/2 in 2 175/80 GO WWW N/A ea 226-347^र Anasorb GCB2/GCB1/Carbosieve S-III 1/4 x 3-1/2 in 3 120/125/105 WWWW GO N/A ea 226-348^{‡§}° Tenax GR/Anasorb GCB1 1/4 x 3-1/2 in 2 175/150 SS OSWSO N/A ea 226-349^{‡§}° Anasorb GCB1/Carbosieve S-III 1/4 x 3-1/2 in 2 SS N/A 280/165 SWS ea 226-350^र Anasorb GCB2/GCB1/Carbosieve S-III 1/4 x 3-1/2 in 210/140/165 SWWWS N/A SS 3 ea 226-356^र Anasorb GCB1 1/4 x 3-1/2 in 400 SS SWWS N/A 1 ea 226-357^र Tenax TA 1/4 x 3-1/2 in 1 250 SS SWWS N/A ea Chromosorb 106 226-358^र 1/4 x 3-1/2 in 350 SS SWWS N/A 1 ea 226-360^र Tenax TA 1/4 x 3-1/2 in 1 250 GO WW N/A ea 226-363^र 1/4 x 3-1/2 in SS SWWS N/A Carbopack X 1 400 ea

Tube Breakers

Standard of

Good Practice

Store and prepare sampling media in

solvent-free environments.

Description Ca	at. No.
Tube Breaker/Capper,	
stainless steel	100
Size S, 6 and 7-mm OD tubes	
22	2-3-50
Size L, 8 and 10-mm OD tubes	
22	2-3-51
Tube Scorer/Breaker, for 6-mm	
OD tubes; scores and breaks end	
tips off glass tubes, leaving a	
clean, smooth opening	
800-	01200

TUBE ENDS: GS: Glass Sealed GO: Glass Open SS: Stainless Steel Open

SEPARATORS: W: Glass Wool G: Glass Fiber Filter F: Foam T: PTFE Ring S: Screen N: Nylon Ring O: Other Q: Quartz Filter

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For Thermal Desorption Tubes purged by SKC or your lab see page 47

SKC Sampling Media and Pump for Peracetic Acid (PAA)

SKC offers the sampling media and pump required for sampling PAA according to the French Institut National de Recherche et de Sécurité (INRS) method for the simultaneous measurement of PAA and hydrogen peroxide (HP). Method media include sorbent tubes containing sorbent treated with high-purity MTSO reagent for ultra-low background (*see Cat. Nos. 226-193-UC and 226-199-UC above*), quartz filters coated with titanium oxysulfate hydrate in 25-mm cassette (*see Cat. No. 225-9030 on page 65*), and AirChek XR5000 sample pump (*see pages 14-15*) to provide the 1 L/min flow rate at higher back pressure. PAA is analyzed by high-performance liquid chromatography with UV detection and HP by molecular absorption spectrometry.

Contact SKC for the latest updates on OSHA methods in development for PAA and hydrogen peroxide.

Specialty Sorbent Tubes

Easy-off hat cap Glass tube

PTFE holding ring

Polyurethane foam Sorbent layer

Polyurethane foam

Easy-off hat cap

Sorbent layer

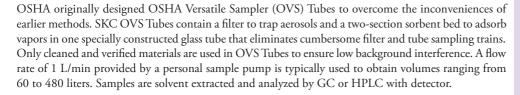
Filter

OVS

OSHA Versatile Sampler (OVS) Tubes For Sampling Pesticides, Explosives, and Glycols

Sorbent and filter combined in one tube

- Collect aerosols and vapors simultaneously
- Low backgrounds ensure sample integrity
- Meet OSHA and NIOSH method design specifications
- Eliminate the need for cumbersome filter and tube sampling trains
- Available with a variety of sorbents
- Easy-off hat caps



Available with a variety of sorbent and filter combinations, SKC OVS Tubes are truly versatile for sampling applications and methods including pesticides such as DDVP (dichlorvos), carbaryl (Sevin), chlorpyrifos (Dursban), Diazinon, malathion, and parathion; explosives such as TNT and DNT; alcohols such as glycols; and biocides.

Application — Method	Sorbent (mg)	Filter	Cat. No.	Qty.			
Pesticides — OSHA 62, 63, 67, 70, 74,							
OSHA CSI			226-30-16	10			
Organotin Compounds* — OSHA CSI	XAD-2 (270/140)	Glass fiber	226-30-16A	50			
Pesticides,			226-58	10			
organophosphorus — NIOSH 5600, 5601, 5602	XAD-2 (270/140)	Quartz fiber	226-58A	50			
Explosives							
(trinitrotoluene [TNT] and							
dinitrotoluene [DNT]) — OSHA 44							
Phthalate Esters — OSHA 104							
Acrylates and Benzophenone —							
Non-agency method [†]	Tenax TA (140/70)	Glass fiber	226-56	10			
Caprolactam Vapor — OSHA CSI			226-57	10			
Glycols — NIOSH 5523	XAD-7 (200/100)	Glass fiber	226-57A	50			
Kathon 886 Biocide — Non-agency method [‡]	Silica gel (520/260)	Glass fiber	226-99	10			
Accessories							
OVS Tube Holder includes 0.9 meter (3 feet) of tubing and collar clip,							
see details at above right 224-29V ea							
OVS Adapter Kit includes tubing and adapter for calibration of OVS Tubes 224-31 ea							
* Methyl tin mercaptide, stannous-2-ethyl hexanoate, butyltin trichloride † See Ref. 39 on page 213. ‡ See Ref. 55 on page 213.							

OVS Tube Holder

OSHA Versatile Sampler Tubes are typically used at a flow rate of 1 L/min provided by a personal sample pump. The special OVS Tube Holder is designed to accommodate the tube's 13-mm diameter, provide a convenient clip to attach the tube in the breathing zone, and protect the tube during sampling.

CI

OVS Tube Holder includes fitting with durable protective cover, 0.9 meter (3 feet) of tubing, and collar clip Do not use an Adjustable Low Flow Holder Cat. No.224-29V

SKC Asia	www.skc-asia.com	•	SKC Inc.	www.skcinc.com