

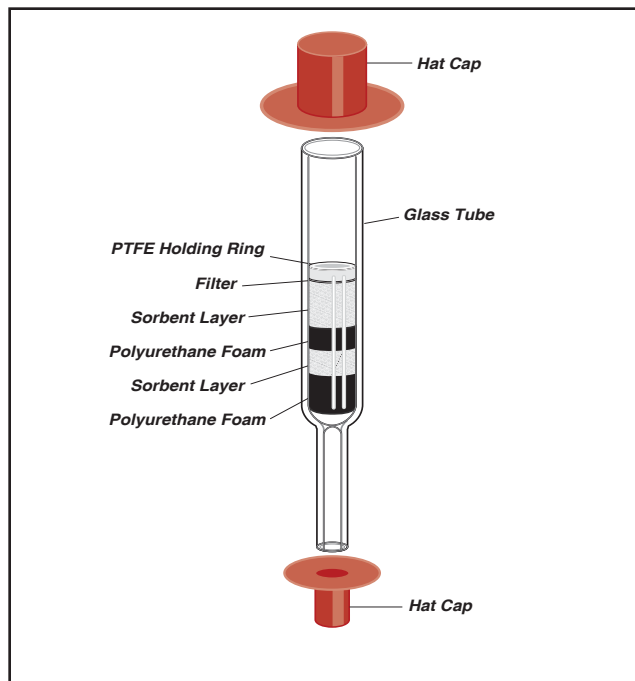
OSHA Versatile Sampler

For Pesticides and Other Sampling Applications

- Sorbent and filter combined in one tube
- Collect vapors and aerosols simultaneously
- Available with a variety of sorbents for special uses
- Low backgrounds ensure sample integrity
- Meet OSHA and NIOSH design specifications

Description

The unique construction of this versatile tube allows for the simultaneous collection of aerosols and vapors. Originally designed by OSHA to overcome some of the inconveniences of earlier methods, it is often referred to as the OSHA Versatile Sampler (OVS). This specially designed glass tube contains a filter to trap aerosols and a two-section sorbent bed to adsorb vapors. All materials used in the construction of this tube are cleaned and verified to ensure low background interference. Samples are usually drawn at 1.0 L/min to obtain volumes ranging from 60 to 480 liters. The tubes are then solvent extracted in toluene, acetonitrile, or acetone and analyzed by GC or HPLC using electron capture, nitrogen/phosphorus, flame photometric, or ultraviolet detectors. The specially constructed open glass tube is 75 mm long with a 13-mm outer diameter on the inlet end tapered to 8 mm on the outlet end. To increase the versatility of this design, SKC has expanded the OVS line to include tubes with variations in sorbents and filter combinations.



Other combinations of sorbents or filters following the OVS tube design are available by special order for research or other specialty uses. Contact SKC Sales with your tube specifications.

Methods that Specify the OSHA Versatile Sampler

Application — Methods	Sorbent (Amount)	Filter	Cat. No.
Pesticides — OSHA 62, 63, 67, 70, 74, OSHA CSI Organotin Compounds* — OSHA CSI	XAD [®] -2 (270/140 mg)	glass fiber	226-30-16
Pesticides , organophosphorus — NIOSH 5600, 5601, and 5602	XAD-2 (270/140 mg)	quartz fiber	226-58
Explosives (trinitrotoluene [TNT], Dinitrotoluene [DNT]) — OSHA 44 Phthalate esters — OSHA 104 Acrylates and Benzophenone — Non-agency method [†]	Tenax [®] (140/70 mg)	glass fiber	226-56
Caprolactam Vapor — OSHA CSI Glycols — NIOSH 5523	XAD-7 (200/100 mg)	glass fiber	226-57
Kathon 886 Biocide — Non-agency method [‡]	Silica gel (520/260)	glass fiber	226-99

* Methyl tin mercaptide, stannous-2-ethyl hexanoate, butyltin trichloride

† Multifunctional Acrylates; *Appl. Occup. Environ. Hyg.*, Vol. 9, Dec. 1994, pp. 977-983

‡ Kathon[®] 886 Biocide; Sobczak, S.S., Rohm and Haas Corporate Industrial Hygiene Laboratory, Method IH9901, 2001



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Ordering Information

OVS Tube Holder

The OVS Tube Holder consists of a standard tube holder fitted with a special durable protective cover for the OVS tube. A collar clip fastened to the protective cover allows for easy attachment to a worker. A flexible metal coil surrounds the tubing just below the holder and allows the tubing to bend without blocking the airflow. The OVS Tube Holder is suitable for use with Universal XR, AirChek® 2000, and AirChek 52 sample pumps.



OVS Tube Holder includes fitting with durable protective cover, 3 feet of tubing, and collar clip.

OVS Tube HolderCat. No. 224-29V

OVS Tubing/Adapter Kit for Calibration

This kit contains two sections of tubing and a tubing adapter to facilitate calibration of a sample pump when using an OVS Tube.

Tubing/Adapter Kit for Calibration Cat. No. 224-31

Multi-purpose Calibration Jar

The SKC Multi-purpose Calibration Jar provides convenient calibration when using a GS Cyclone, PUF tube, OVS tube, the IOM, or the PEM. Instead of packing four or five different calibration adapters for the field, pack only one Multi-purpose Calibration Jar. The rugged 32-ounce polypropylene jar contains a quick screw cap and barbed fitting for easy connection.



Multi-purpose Calibration JarCat. No. 225-111

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 <http://www.skcinc.com/warranty.asp>.

