

# PUF Tubes for High-volume Sampling

- Designed to meet EPA and ASTM method specifications for high flow sampling of organochloride pesticides, PCBs, and PAHs in ambient air
- Use with flows from 200 to 280 L/min
- For measurements up to 24 hours
- Precleaned to meet method specifications
- Ready to use
- Suitable for repacking and recertification
- Custom PUF tubes available upon request



SKC High-volume PUF Tubes are precleaned and ready to use

## **PUF Tube for Pesticides, PAHs, PCBs, and PCDDs** EPA Methods IP-7, TO-4A, TO-9A, and TO-13A

This tube contains a 75-mm polyurethane foam (PUF) sorbent plug and can be used with the General Metal Works PS1 Sampler. These tubes are packed with precleaned PUF for low background. Use this high-volume PUF tube to sample pesticides and polychlorinated biphenyls (PCBs) according to EPA Method TO-4A, polynuclear aromatic hydrocarbons (PAHs) for EPA Method TO-13A, and polychlorinated dibenzo-p-dioxins (PCDDs) to meet EPA Method TO-9A.

## **PUF/XAD<sup>®</sup>-2 Tube for Pesticides, PAHs, and PCBs** EPA Method 600/8-80-038

This high-volume PUF tube contains a 50-mm and a 25-mm section of PUF with a 10-gram section of XAD-2 sorbent sandwiched between the two PUF layers. XAD-2 sorbent improves volatile component extraction during analysis. Use this tube to sample volatile pesticides and polynuclear aromatic hydrocarbons (PAHs) as described in the EPA Manual of Analytical Methods for the Analysis of Pesticides in Humans and Environmental Samplers (EPA Method 600/8-80-038, June 1990). This tube can be used with the General Metal Works PS1 Sampler.

## **Quartz Filter for Use with High-volume PUF Tubes**

Sample air passes through a 102-mm filter to remove particles before it enters the PUF tube. This filter is made of Tissuquartz™. Tissuquartz can be used at temperatures up to 1000 C.

## High-volume PUF Tubes and Accessories

Methods	Compounds	Sorbent (Amount)	Cat. No.
EPA 600/8-80-038 Non-agency*	Organochlorine pesticides, PCBs Nonpolar organic compounds	PUF/XAD-2/PUF (50 mm/10 gm/25 mm)	226-129
EPA IP-7, TO-4A, TO-9A, TO-13A ASTM D6209	Organochlorine pesticides, PCBs, polyaromatic hydrocarbons (PAHs), and PCDDs Polycyclic aromatic hydrocarbons	PUF (75 mm)	226-131
<b>Accessories</b>			
Tissuquartz, high-purity microfibers, 0.4 mm thick, 102 mm; for sampling at high temperatures up to 1000 C			225-1821
<b>Replacement PUFs/Repacks</b>			
Replacement PUF for 226-129, uncleaned, 25-mm length, pk/10			P226129A
Replacement PUF for 226-129, uncleaned, 50-mm length, pk/10			P226129B
Replacement PUF for 226-131, uncleaned, 75-mm length, pk/10			P226131
Repack for 226-129, new PUF/sorbent packed into cleaned original glass and inserted into cleaned storage bottle			P226129R
Repack for 226-131, new PUF packed into cleaned original glass and inserted into cleaned storage bottle			P226131R
Glass Cartridge with support screens for 226-129 or 226-131			P226129C

\*Nonpolar Organic Compounds, *Analytical Chemistry*, Vol. 63, No. 13, July 1991, pp. 1228-1232.

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