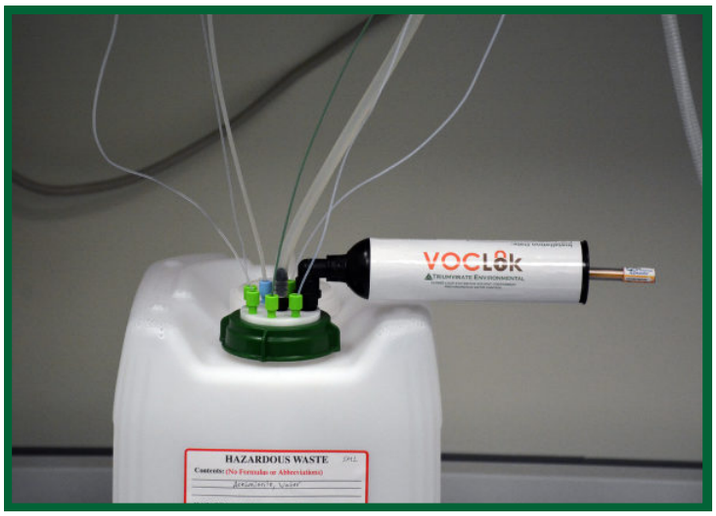
VOCLok HPLC/Solvent Waste Collection Solution

VOCLok control and system maintenance designed for affordability, compliance, and safety.

Lab scale processes, such as High-Performance Liquid Chromatography (HPLC), pose unique Resource Conservation and Recovery Act (RCRA) waste collection challenges and extensive health and safety risks. Many organizations struggle to comply with closure requirements and complex collection systems. Triumvirate Environmental has developed the VOCLok solution to help waste generators easily and compliantly collect these waste streams while improving lab safety and optimizing waste management.

System Design

The VOCLok system is a closed system for collecting waste from lab scale processes. Each system comes with secure fittings to ensure tubing stays in place and solvent passes directly into the waste container, and the two-piece cap technology makes changing full containers safe and easy. A carbon exhaust filter is included, which scrubs rogue volatile organic compounds (VOCs) released into the lab during waste collection. The carbon exhaust filter has an estimated life expectancy of 3-6 months, depending on waste constituents and throughput volume. To determine a unit's precise lifespan, colorimetric breakthrough indicators can be installed to the end of the filter, which will turn red when the filter is loaded and no longer capturing harmful VOCs.



Benefits

- **Safety:** Prevent exposure and inhalation of toxic sovents
- **Compliance:** Complies with RCRA closed container regulations (40 CFR 264.173)
- **Customization:** The various cap configurations fit more than a dozen container types—DOT carboys, Nalgene containers, drums, and more—allowing you to customize and optimize your waste program to work for you
- **Installation:** Triumvirate Environmental teams help install the VOCLok wherever needed, helping you select the appropriate containers and caps and overseeing installation to ensure the system is set up correctly, while your teams focus on the science.
- **Ease of Use:** Triumvirate Environmental installs, maintains, and trains your staff on how to use the VOCLok for optimal performance.



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