



## Odor Trooper™

### Clear the Air with ParkUSA's Odor Control Solutions

Odor control is a critical aspect of wastewater management that helps reduce unpleasant smells emanating from the treatment process. Activated carbon is a highly effective solution for absorbing and trapping odors in wastewater. It is capable of removing a diverse range of odor-causing compounds, including volatile organic compounds (VOCs), hydrogen sulfide, and ammonia, making it an ideal solution for facilities with varying odors to control.

ParkUSA's OdorTrooper™ activated carbon system is a highly effective and versatile odor control solution for wastewater management. It uses canisters of activated carbon that are periodically replaced to continually remove odors.

### Applications

Wastewater treatment facilities • Wastewater lift stations • Landfills •  
Municipal waste handling facilities • Grease interceptors

### Advantages

- Built to any city and municipal specifications
- Easy installation process and low maintenance requirements
- Factory-pre-assembled and evaluated for quality assurance
- Packaged solution with single source of equipment for convenience
- Benefits include improved air quality, regulatory compliance, enhanced community relations, improved health and safety, and environmental sustainability





## System Components

**Concrete Vault:** Provides durable and secure housing for the activated carbon system.

**Activated Carbon Drum:** Holds a large amount of activate carbon material that is typically placed in the drum in granular or pellet form. As the air flows through the drum, the activated carbon adsorbs and traps the odor-causing compounds, improving the overall air quality in and around the facility.

**Access Cover:** Provides an entry point for maintenance and cleaning activities. Made of galvanized steel or aluminum with a safety retractable net.

**Air Vent Piping and Connectors:** Special vent piping is used for incoming and outgoing vent lines for secure and leak-proof connection.

**Drum Removal System:** Carbon drum sits on a rail system for easy installation and removal. When the activated carbon material becomes saturated with the adsorbed odor-causing compounds, the drum material is replaced.

**Sump Pit:** Placed in the “low point” of the vault, a sump pump can remove water from the structure.

**Inlet:** Inlet air vent piping from the pump lift station, interceptor, or other wastewater structure.

**Outlet:** Treated exhaust vents through the outlet and connects to the public sewer system.

## How It Works

Activated carbon systems can be used for controlling odor from wastewater systems by adsorbing and trapping odor-causing compounds.

A canister is filled with activated carbon material and attached to the vent of the wastewater tank. As the wastewater tank releases gas, the gas flows through the canister, and the activated carbon adsorbs and traps the odorous compounds.

In a more complex system, ventilation fans are used to move air through an activated carbon scrubber. The scrubber typically consists of a large container filled with activated carbon pellets or beads. The wastewater gas flows through the container, and the activated carbon adsorbs and traps the odorous compounds.

Activated carbon systems are a versatile and effective solution for controlling odor from wastewater systems, and they can be used in both simple and complex setups to improve the overall air quality in and around the wastewater

Full product catalog available at [request.parkusa.com](http://request.parkusa.com)



[sales@parkusa.com](mailto:sales@parkusa.com)  
[www.parkusa.com](http://www.parkusa.com)

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