

VENTSORB® PE for Odor Control Activated Carbon Odor Control Canister



CALGON CARBON CORPORATION

Description

The VENTSORB® PE is a versatile odor control system ideal for low air-flow point source applications within municipal and industrial facilities. Typical applications include wastewater pumping and lift station odor control. These economical adsorption systems effectively control low to moderate levels of VOC's as well as compounds such as hydrogen sulfide.

The VENTSORB® PE comes in three basic models:

- A stand-alone canister filled with one of our activated carbons providing passive air treatment.
- A NEW active ventilation system with a discharge fan mounted on top of the VENTSORB® PE canister in an economical, space saving configuration.
- An active ventilation system with the VENTSORB® PE canister mounted on a simple skid with an inlet fan to provide the highest degree of user-friendly operation.



Operation

The VENTSORB® PE contains all of the elements found in a full scale carbon adsorption vessel: activated carbon, inlet connection and distributor, and an outlet connection for the purified air stream. The air distribution system developed for the VENTSORB® PE accomplishes near plug flow characteristics, resulting in nearly 100% carbon utilization.

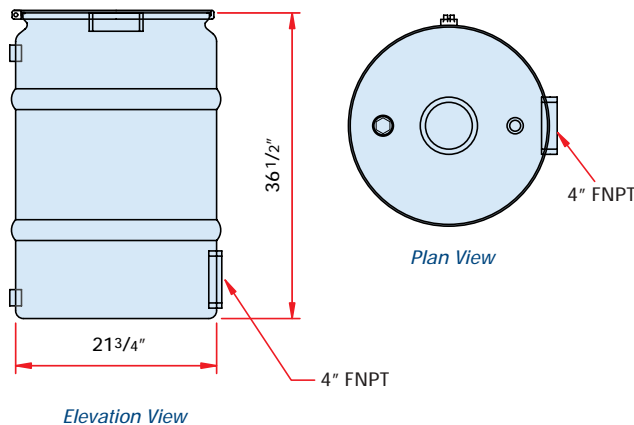
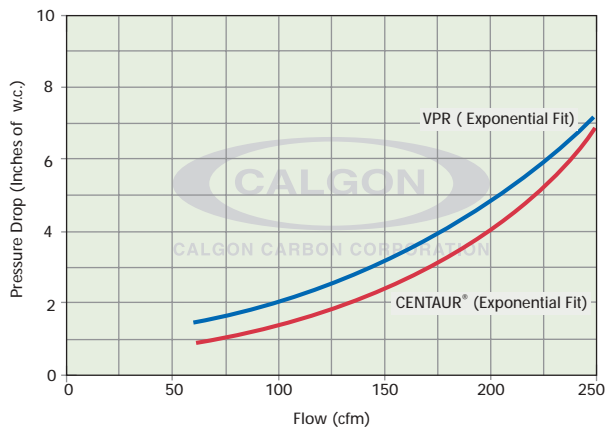
Spent VENTSORB® PE units can be returned to Calgon Carbon Corporation for recycling, disposed of by the owner, or refilled with fresh carbon. VENTSORB® PE units filled with Calgon Carbon Corporation's CENTAUR® HSV catalytic carbon and used for H₂S removal can have their H₂S capacity restored by washing the carbon with water. Talk to your local Calgon Carbon Corporation representative to discuss which option is best for you.

Stand Alone VENTSORB® PE Canister Specifications

Vessel	Open top 55 gallon plastic drum
Material of Construction	125 mil thick (min) HMW-high density polyethylene
Cover	175 mil thick HMW-HDPE with 16 gauge bolt ring and polyurethane gasket
Inlet/Outlet Fittings	4 inch diameter FNPT polyethylene coupling
Operating Temperature	150° F (max)
Air Flow Capacity	200 cfm recommended (max)
Carbon Type	CENTAUR® HSV standard, VPR 4x10 for non-H ₂ S applications
Shipping Weight	220 pounds (estimated)

Pressure Drop Curve

All curves are field packed density



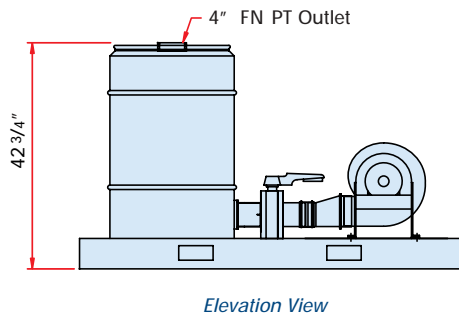
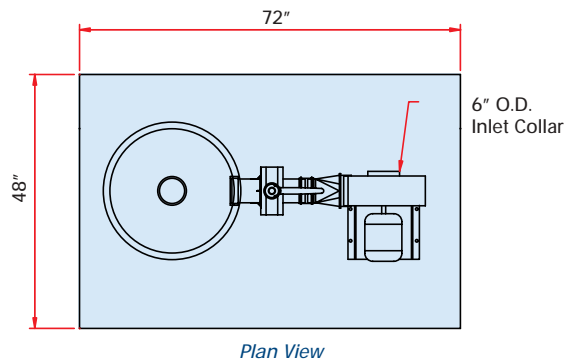
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Skid-Mounted VENTSORB® PE

Skid-mounted system consists of:

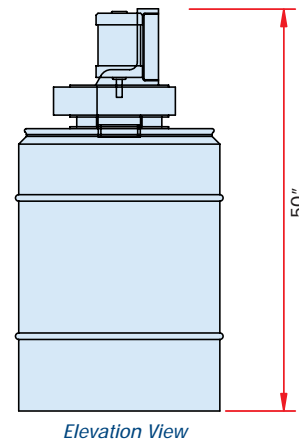
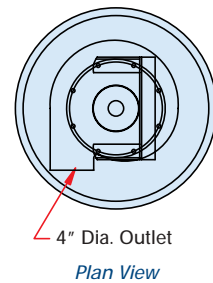
- Standard VENTSORB® PE canister as described above
- Epoxy-lined steel fan with 1ph/115-230V/60 Hz TEFC motor flow control damper
- Silicone flex boot
- Skid complete with all items above
- Optional equipment: raincap, TEXP motor, and sound attenuation



NEW! VENTSORB® PE Top-Mounted Fan

Top-mounted fan system consists of:

- Standard VENTSORB® PE canister as described above
- Cast aluminum fan with 1ph/115-230V/60 Hz TEFC motor
- Optional equipment: TEXP motor and casters



Features

All-Plastic Construction	Reliable, non-corrosive construction ensures years of service
Uses Activated Carbon	Stable operation able to treat uneven loadings and spikes without breakthroughs
Plug Flow Air Distribution	Ensures nearly 100% carbon utilization virtually no wasted carbon

Benefits



CALGON CARBON CORPORATION

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Making Water and Air Safer and Cleaner

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