



# DATASHEET

## E6500-R3K TRAILER MOUNTED SCRUBBER SYSTEM

### DESCRIPTION:

The E6500-R3K Trailer Mounted Scrubber System is designed for high-flow applications and is good for exhaust streams up to 6500 CFM. This unit was designed to treat vapors emanating from GapVac's, Air-Movers and other high flow vacuum units. This system includes a large liquid scrubber followed by twin 3000 pound radial carbon adsorbers. The entire unit is mounted to a 24 foot goose-neck trailer. R3K Carbon Adsorbers have large temperature gauges to help monitor carbon bed status. This system does not require any utilities such as air or electricity to operate. Scrubber and Radial carbon beds have all-stainless steel internals.

The liquid scrubber holds up to 1450 gallons of liquid (minimum of 825 gallons) which allows the user to enjoy long run times in most cases. Twin 3000# radial carbon adsorbers follow the scrubber to polish the vapors to near 100% in most cases. The radial beds are easy to remove and replace/fill carbon media. This system is designed for pressure or positive vapor displacement applications only. It is not designed to be placed in a vacuum or in negative airflow situations.

### APPLICATIONS:

- Hydro-Excavation Vapor Control
- Gap-Vac Exhaust Vapor Control
  - Tank Venting
  - Pipeline Venting
- Vacuum Truck Vapor Control

**Important! Do not use diesel fuel as a scrubbing agent in this unit!**

**Contact Vapor Tech for Other Applications**

### SCRUBBING CHEMICALS:

Vapor Tech manufactures a complete line of specialty chemicals designed to maximize scrubber performance and removal efficiency. Some vapors, like common acids, do not require specialty chemicals. Call Vapor Tech and we will recommend the proper chemical media needed for your application.



## OPERATIONAL PARAMETERS

Maximum Flow Rate (CFM)	6500
Minimum Flow Rate (CFM)	250
Maximum Pressure (PSI)	5
Maximum Vacuum (Hg)	Not designed for vacuum
Maximum Temperature (°F)	180°F
Pressure Drop Across System (@ 4500 CFM)	Approximately 45" of water
Minimum Scrubber Liquid Level (Gallons)	825
Maximum Scrubber Liquid Level (Gallons)	1450
R3K Radial Carbon Bed Volume (Pounds)	3000

## SCRUBBER SPECIFICATIONS:

Unit Footprint (Trailer)	29'L x 8'W
Unit Height (Feet)	13'
Vapor Inlet (Inch & Type)	10" 150# Flange
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Flame Arrestor	10" Enardo Series 7 (Aluminum Cell)
PRV	Weighted Pallets (Set for 5 PSI)
Trailer	Dual Tandem (Dual 10K Axles)
Removal Efficiencies for Liquid Scrubber	As High as 98% with Fresh Chemical Media
<b>Total System Removal Efficiency (with Carbon Polishing)</b>	<b>99.999% (Until Breakthrough for Most Compatible Vapors)</b>
Internal Distributors and Media (Scrubber & Radials)	Stainless Steel

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