



SPECIALTY ENVIRONMENTAL CHEMICALS AND EQUIPMENT

# E550-N1K Vapor Scrubber System

## DESCRIPTION

The E550-N1K is a portable, trailer-mounted vapor scrubber unit. This system can be used for emissions from vacuum truck exhaust (passive mode) or it can degas tanks and vessels with its on-board centrifugal blower (460V). This system has a stainless steel liquid scrubber followed by twin NOVAC 1000 carbon beds. The NOVAC 1000 carbon beds are the most unique carbon beds on the market. Not only are they safest carbon beds available with the temperature monitoring and emergency water/nitrogen purge system, but they are the easiest to refill and dump. Unit comes with flame arrestor as well. No vacuum extraction needed with these vessels. Spent carbon is easily removed via large valve located at the bottom of the unit. Complete carbon changeout takes 15 minutes! Complete system efficiency is 99.9% in most cases. Meets TCEQ and other states' emission guidelines requiring 99% removal or higher. Quality design from a company building emission control equipment for over 20 years!

## SPECIAL FEATURES

- 99.999% Removal for VOC's and Benzene
- Unit fulfills requirement for MSS regulation in Texas (TCEQ).
- Trailer mounted for easy mobility.
- Utilities not required (unless electric blower is required).
- Temperature gauges on all equipment for safety.
- Unit comes standard with flame arrestor, PRV and inlet check valve.
- Ultra-High removal efficiency possible in scrubber alone using Vapor Tech's BIO-SCRUB X chemical absorption media.
- Note: We do not recommend using diesel fuel as a scrubbing agent in the scrubber.

## E550-N1K SPECIFICATIONS

Maximum Air Flow Rate (Throughput)	500 CFM
Scrubber Type	Forced-Induction Scrubber
Min/Max Scrubber Chemical Volume	275/400 Gallons (Recommend BIO-SCRUB X)
# of Carbon Adsorbers	2 (in series)
Carbon Capacity (each carbon vessel)	1000 pounds
Vapor Inlet Size and Type	3" Camlock (Female)
Temperature Gauges on all Equipment?	Yes
Gas Sample Ports on All Equipment?	Yes
Utilities Required?	No
Trailer Dimensions	8' x 20'L (with jacks on all corners)
Standard Installed Items	Flame Arrestor, PRV's & Vapor Inlet Check Valve
Estimated Pressure Drop Across Unit @ 350 CFM	35-40" of H2O
Blower	500 CFM Centrifugal Electric Blower (460V)

