



DATASHEET

SST-40 SM VAPOR SCRUBBER SYSTEM

DESCRIPTION

The SST-40 vapor scrubber unit is a stainless steel, skid-mounted, twin column wet scrubber designed for vapor flows up to 3000 CFM. This unit is excellent for scrubbing many types of hazardous and odorous compounds including hydrocarbons, bases, amines, acids, phenol, formaldehyde, acrylates and many more. Standard setup includes an electric chemical re-circulation pump as well as an air-operated (AOD) diaphragm for backup. Unit has 10' of packing height which in many cases will produce removal efficiencies up to 99% or higher.

Unit may be coupled with carbon bed(s) for polishing such as our NOVAC series carbon adsorbers. We also offer blowers which can help pull vapor through the scrubber and carbon beds and keep your process in a negative state to reduce vapor emissions being emitted into the air.

EFFICIENCIES

HAZARDOUS VAPOR VOC NEEDING REMOVAL	POSSIBLE REMOVAL EFFICIENCIES
EDC	99%
Acids	99.9%
Amines	99%
Acrylates	99%
Mercaptans	99%
Hydrogen Sulfide	99.9%
Wastewater Odors	99%
Hydrocarbons (BTEX, etc.)	99%



SCRUBBING CHEMICALS

Vapor Tech offers many types of chemicals for use in our scrubber systems. Generally, for hydrocarbon applications, our CARBONIL line of products is used for maximum scrubbing efficiency. For H₂S, our EZ-STRIP SS or Enviro-Scrub VT provides 99.9% removal. To achieve the highest efficiencies and safety, it is crucial that the scrubbing media is tailored to your specific vapor stream.

Through our vast experience in the chemical and vapor scrubber industry, we will optimize the equipment and chemical needs of your specific application. Contact us if you need further information.



OPERATIONAL PARAMETERS

Maximum Flow Rate	3000 CFM
Minimum Flow Rate	100 CFM
Maximum Pressure	2 psi
Maximum Temperature	140°F
Pressure Drop Across System (@ 3000 CFM)	Less than 3" of water

APPLICATIONS

- Large Tank Degassing
- Tank Cleaning Operations
 - Tank Venting
- Vacuum Truck Vapor Control
 - Pipeline Vapor Control
 - Process Vapor Control (centrifuge/plate press)

VAPOR SCRUBBER SPECIFICATIONS

Overall Unit Footprint (Trailer Size)	80"W x 120"L
Empty Weight (Pounds)	4,000#
Vapor Inlet	8" Flange & 6" Flange
Vapor Outlet	10" Flange
Number of Towers	2
Equipped with Mist Eliminator	Yes
Tower Diameter	40"
Packing Height	10' (both towers combined)
Reservoir Capacity	550 gallons
Re-Circulation Pump Type	Mag-Drive (Electric) and Air-Diaphragm
Number of Pumps	2
Power to Electric Pump	460V (3.67 Amps)
Options	pH Control, Blower, Carbon Polisher, Immersion Heater

