



SPECIALTY ENVIRONMENTAL CHEMICALS AND EQUIPMENT

PPT-24 Vapor Scrubber System

DESCRIPTION:

The PPT-24 vapor scrubber is a dual-column, all-poly packed-column wet scrubber designed for corrosive applications. Designed for use where steel is not suitable due to incompatibility. This unit is ideal for use with acids and chlorinated products which normally would cause severe corrosion to steel systems.

Unlike the PPS-24 unit, the towers on this unit do not need to be removed for transport. Unit may be hauled on lowboy trailer and offloaded with forklift. This unit is skid mounted and has a large 450 gallon solution reservoir. The PPT-24 has both an electric magnetic drive pump as well as a 1.5" poly air diaphragm pump. Options such as carbon beds, blower and pH control are also available.

APPLICATIONS

HAZARDOUS VAPOR

POSSIBLE REMOVAL EFFICIENCIES

Chlorine	99%
Acids	99.9%
Amines	99%
Acrylates	99%
Mercaptans	99%
Hydrogen Sulfide	99.9%
Wastewater Odors	99%
Ammonia	99%

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)	1250
Minimum Flow Rate (CFM)	50
Maximum Pressure (PSI)	1
Maximum Temperature (°F)	140
Pressure Drop Across System (@ 500 CFM)	Approximately 3" of water
Pressure Drop Across System (@ 1000 CFM)	Less than 7" of water

VAPOR SCRUBBER SPECIFICATIONS:

Overall Unit Footprint (Scrubber Skid)	70"W x 120"L
Unit Height	108"
Empty Weight (Pounds)	1500
Vapor Inlet	6" Flange
Vapor Outlet	6" Flange
Number of Towers	2
Tower Diameter (Inches)	24
Packing Height (Feet)	7
Reservoir Capacity (Gallons)	450
Re-Circulation Pump Type	Air Diaphragm & Magnetic Drive (460V)
Number of Pumps	2
Utility Required for Pump	Compressed Air or Nitrogen / 460V for Mag Drive
Pump Air Consumption (SCFM)	90
Available Blowers	Air-Horn / 600 CFM Electric
Unit Equipped with Mist Eliminator?	YES



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