



SPECIALTY ENVIRONMENTAL CHEMICALS AND EQUIPMENT

PPS-24 Vapor Scrubber System

DESCRIPTION:

Vapor Tech offers an all-poly light industrial vapor control system designed for a variety of corrosive vapors. This unit is a single column packed bed which is manufactured of 100% poly materials. The poly construction makes it ideal for a host of vapors including acids, bases, ammonia, chlorine, etc.

The unit has a large 450 gallon solution reservoir made from high density polyethylene. A 24" PVC tower connects to the reservoir and provides over 7' of packing height.

The PPS-24 system is skid mounted and comes equipped with both an electric (460V) magnetic-drive pump and a 1" air diaphragm pump. This enables usage in almost any situation and provides a backup in case of main pump failure.

In cases where additional polishing of the vapors are needed, one of Vapor Tech's carbon beds could be used on the exhaust of the scrubber to increase efficiency to 99.9%.

APPLICATIONS

HAZARDOUS VAPOR VOC NEEDING REMOVAL

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)	6' x 6'L
Optional Carbon Bed Footprint	4' x 4'
Empty Weight (Pounds)	1500
Vapor Inlet	6" Flange
Vapor Outlet	6" Flange
Number of Towers	1
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 / 230/460V for Mag Drive
Pump Air Consumption (SCFM)	65
Available Blowers	Air-Horn / 600 CFM Electric
Unit Equipped with Mist Eliminator?	YES



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