

VPS™-005 Ventilated Odor Control System

Specifications

Skid Mounted Unit

Height:	25"
Length:	54"
Width:	30"
Static Pressure Loss:	0.25"
Shipping Weight:	230 lbs.
Operating Weight:	250 lbs.
Blower Motor Size:	1/3 hp

Number of Nozzles

500 cfm:	1 nozzle
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Utilities

Electrical:	120V, 1Ø, 60 hz, 10 amp
	220V, 1Ø, 60 hz, 6 amp
Feed System Water:	4 gpm, 45 psi, Potable
Drain:	Sanitary Floor Drain

Operating Costs

Chemical Costs/cfm/year:	\$0.50 to \$1.00
Fan Electrical Usage:	1.03 to 1.13 kw/h



Applications - up to 500 cfm (2,500 cu. ft.)

Municipal Wastewater Sites

- Enclosed Wet Wells
- Enclosed Headworks
- Enclosed Sludge Dewatering Areas
- Enclosed Sludge Storage Areas
- Enclosed Grit and Screening Areas

Industrial Sites

- Enclosed Waste Storage Areas
- Enclosed Processing Areas

Companion Chemical Feed System

- Mist Pro® Chemical Feed and Dilution System

System Overview

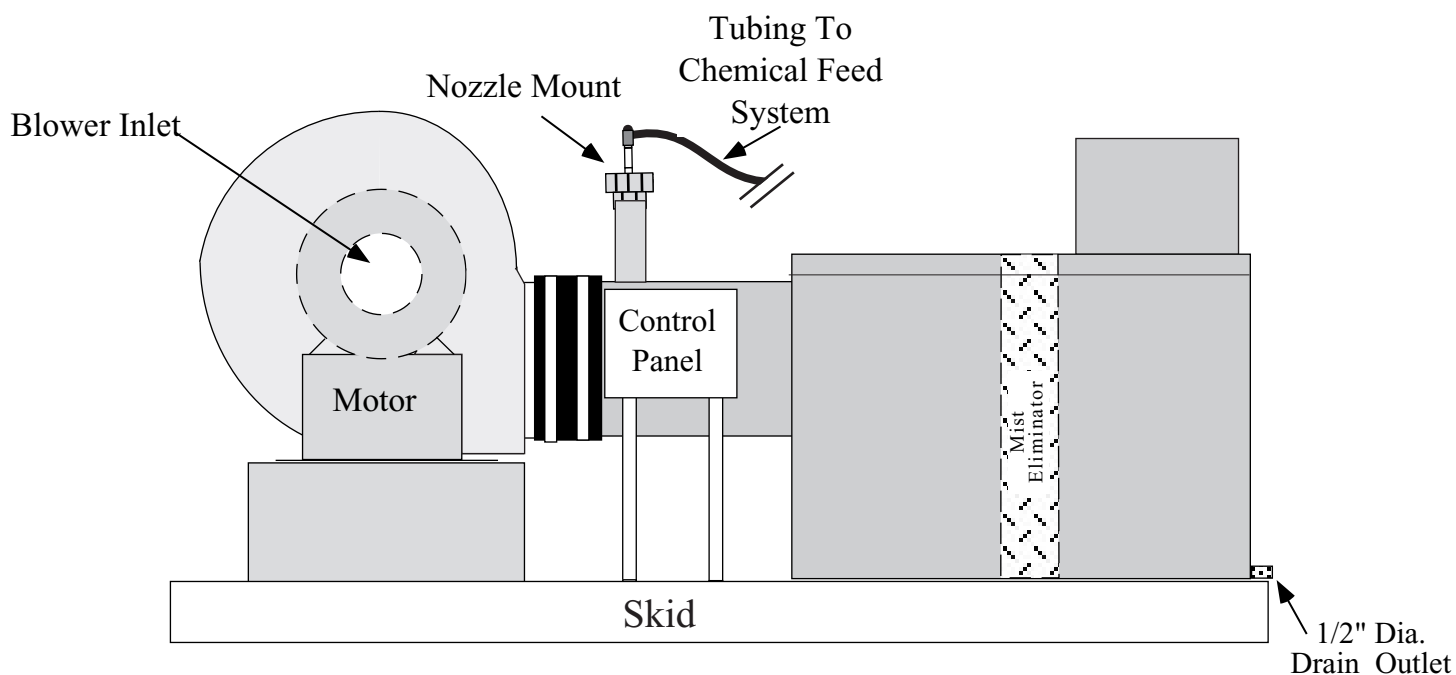
The VPS™-005 Ventilated Odor Control System provides ventilation and odor control of up to 500 cfm at a lower capital and operating cost. The system has a skid mounted, low profile design which contains the reaction chamber, the blower assembly and the control panel. It provides up to 12 air changes per hour with 1" of static pressure for wet wells, tanks or rooms with an air space volume of up to 2500 cubic feet.

As a skid mounted system, the VPS™, after installation, requires only connection to the foul air supply duct and power to the control panel. The chemical feed system can be placed in any convenient location. Connect it to a potable water supply and connect the chemical feed tubing to the VPS™ system's nozzle bracket. The size of the unit is small—a benefit if space is limited. The VPS™-005 system is easy to service and requires minimal maintenance which includes a weekly check of the system and atomizing nozzles, and a monthly cleaning.

This system is designed to use NuTech's Chi-X® or DeAmine™ Odor Eliminator—Vapor Phase Reactants. Targeted odors are oxidized organic odors for applications with fairly consistent odor loading. Effectiveness on hydrogen sulfide odor is limited to 1 ppm. If H₂S levels exceed one ppm, treatment for H₂S should be considered.

Technical Experts in Odor Control





VPS™-005 Ventilated Odor Control System Components

Fan and Motor

- • Centrifugal, FRP
- • TEFC Motor–1/3 hp
- • 8" Inlet Rubber Connector

Control Panel

- • Nema 4X, FRP or Polycarbonate Construction
- • Motor Controls
- • Chemical Feed System Controls

Chamber

- • Stainless Steel Chamber
- □ - Horizontal Inlet–8" Round □
- • SS Nozzle Mounting Bracket–union mounted
- • Force Pack–mist eliminator to 40 microns

Skid

- • Epoxy Coated Steel
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