

Mist Pro® Chemical Dilution & Feed System

Specifications

Stand Mounted Unit

Height:	50"
Width:	19"
Depth:	16"
Shipping Weight:	80 lbs.
Operating Weight:	115 lbs.
Operating Pressure:	60 - 150 psi
Pump Size:	Diaphragm—1 to 8 gph Rotary Vane—15 to 120 gph
Motor Size:	Diaphragm—Fractional hp Rotary Vane—1/3 hp to 1/2 hp

Utilities

Electrical:	Diaphragm—120V, 1Ø, 60 hz, 5 amp Rotary Vane—120V, 1Ø, 60 hz, 10 amp
Water:	4 gpm, 45 psi, Potable
Drain:	Sanitary Floor Drain

Operating Costs

Electrical Usage:	.50 to 1.03 kw/h
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Applications

Municipal Wastewater Sites

- Headworks
- Clairifiers
- Lift Stations
- Sludge Dewatering
- Process Exhaust Streams
- Scrubber, Carbon or Biofilter Pretreat
- Grit and Screenings
- Head Space of Tanks and Channels
- Perimeter Fogging

Industrial Sites

- Process Air and Vented Exhaust Discharges
- Process Tank Air Discharges
- Scrubber Carbon or Biofilter Pretreat
- Dryer Air Discharges
- Perimeter Fogging

Companion Chemical Feed System for

- QCID™ Ventilated Odor Control System
- VPS™ Ventilated Odor Control System
- Belt Press-Mate™ Odor Control System

System Overview

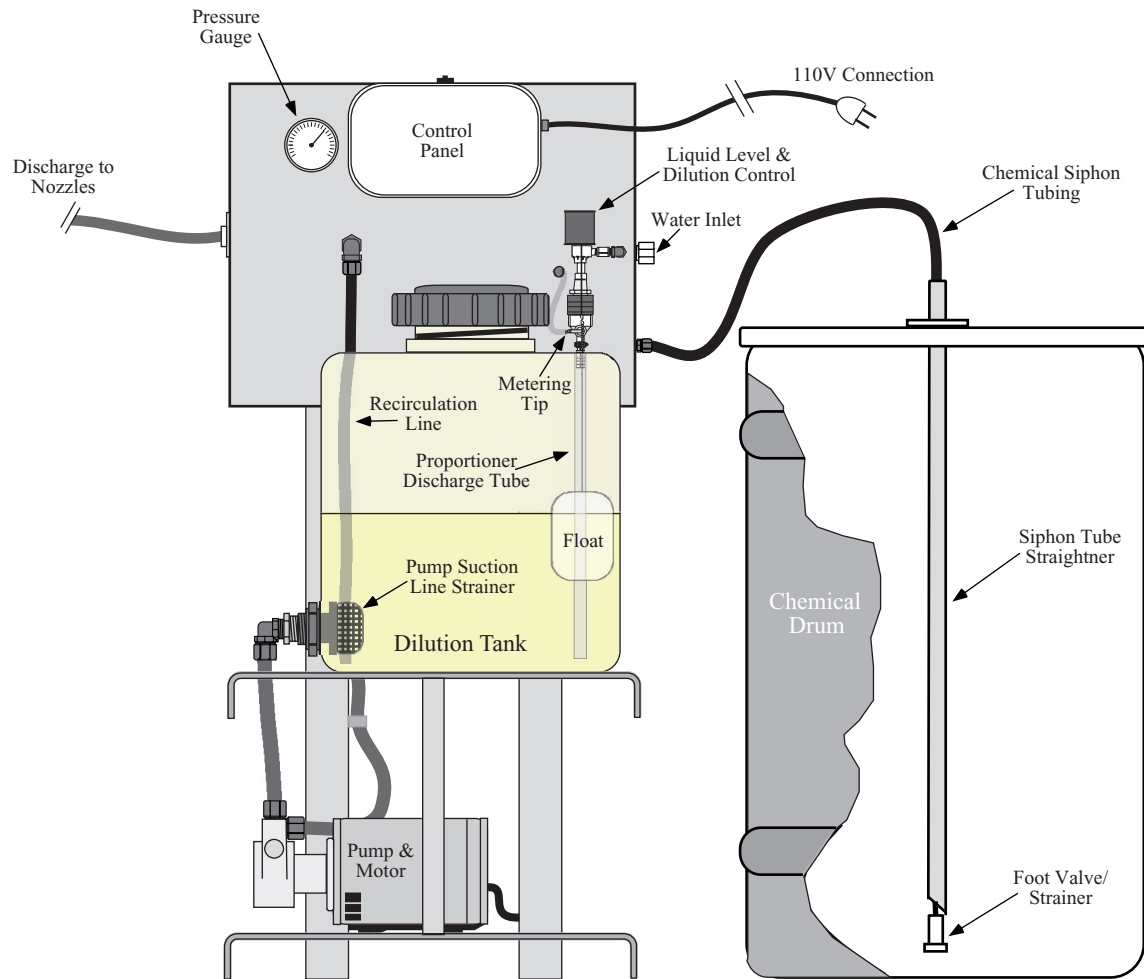
The Mist Pro® is a versatile multi-point chemical feed system. It is compact in size with components fully integrated on a sturdy powder coated aluminum stand. An easily removable powder coated cover offers protection from wash down operations.

The Mist Pro® has a distinct advantage with its automatic siphon induced chemical dilution achieved through a wide range of easy to install color-coded metering tips. The volume of the seven gallon dilution tank is maintained by a mechanical liquid level control at the selected dilution ratio. No batch mixing of odor control chemical is required. Maintenance is minimal, requiring only a weekly check of the system and atomizing nozzles, and monthly cleaning.

This system will support 1 to 90 nozzles. The nozzle mounting and positioning brackets are custom designed to suit the site requirements. Proper placement of the nozzles is important to ensure odor control. The brackets provide convenient access to nozzles for easy maintenance. Designed for NuTech's Chi-X® Odor Eliminator and Phantom-4® Odor Counteractant, the Mist Pro® system adapts to a variety of odor control applications and site requirements.

Technical Experts in Odor Control





Mist Pro® Chemical Dilution & Feed System Components

Pump and Motor

- • Diaphragm Pump—1 to 8 gph systems
- • SS Rotary Vane Pump, TEFC Motor—15 to 120 gph systems

Control Panel

- • Nema 4X, FRP or Polycarbonate Construction
- • Motor Controls
- • 7-day Timer Standard—rotary vane pump systems

Equipment Stand

- • Powder Coated Aluminum Stand
- • Powder Coated Steel Cover—mounts below control panel

Liquid Level & Dilution Controls

- • Mechanical Liquid Level Controlled with Float Valve
- • Backflow Preventer—vacuum breaker style
- • Proportioner—automated chemical dilution
 - □ - Dilution rate controlled through 14 color coded metering tips—38:1 to 606:1
 - □ - Siphon tubing connects to proportioner drawing chemical from drum

Pressure Relief Valve—Rotary Vane Pumps

- • In-line, Adjustable, SS—100 to 150 psi systems
- • Adjustable Needle Valve, SS—60 to 100 psi systems