

# LMC™ High Pressure Fogging Odor Control System

## Specifications

### Stand Mounted Unit

Height:	60"
Width:	36"
Depth:	24"
Shipping Weight:	230 lbs.
Operating Weight:	240 lbs.
Operating Pressure:	800 psi
High Pressure Pump Size:	Plunger—15 to 475 gph
Motor Size:	1/2 to 5 hp
Chemical Metering Pump:	Diaphragm—1 to 8 gph
Motor Size:	Fractional hp

### Utilities

Electrical 1/2 hp:	120V, 1Ø, 60 hz, 10 amp
1-1/2 to 2 hp:	220V, 1Ø, 60 hz, 10-15 amp
3 to 5 hp:	460V, 3Ø, 60 hz, 6-12 amp
Water:	45 psi, Potable
Drain:	Sanitary Floor Drain

### Operating Costs

Electrical Usage 1/2 hp:	1.03 kw/h
1-1/2 to 2 hp:	1.89 to 2.84 kw/h
3 to 5 hp:	4.10 to 8.21 kw/h
Chemical Cost/nozzle/hr:	\$0.07



## Applications

### Municipal Sites

- • Perimeter Fogging
- • Waste Transfer Stations
- • Landfills
- • Lagoons
- • Large Open Areas where Covers
- □ are not Practical
- • Wastewater Process Tanks

### Industrial Sites

- • Perimeter Fogging
- • Ponds
- • Lagoons
- • Open Digesters
- • Process Tanks
- • Wastewater Facilities

## System Overview

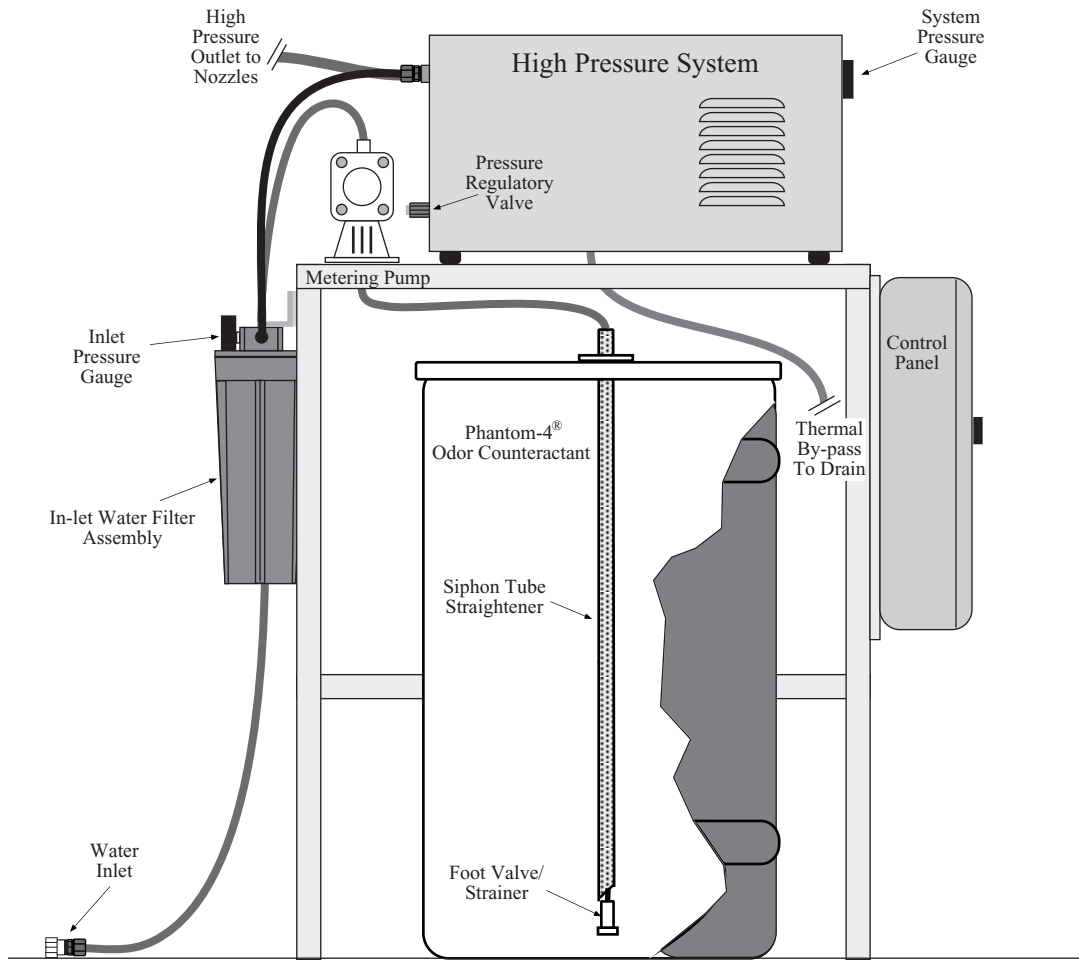
The 10 micron fog droplets generated by the LMC™ High Pressure Fogging System offers an effective option for both odor and dust control applications. The system components are mounted on a stainless steel stand with a stainless steel cabinet housing the high pressure pump. This premium design resists corrosion and fits a 55 gallon chemical drum under the stand providing a compact footprint.

The chemical dilution on the LMC™ is controlled with a metering pump set for the proper dilution rate and injected into the inlet water line. No batch mixing of odor control chemical is required. The inlet water supply is controlled with an electronic solenoid valve. The low water pressure shut-off switch prevents damage to the high pressure pump when the inlet water supply is interrupted.

The LMC™ will support from 10 to 365 nozzles. High pressure fittings allow for field cutting of the high pressure tubing and custom placement of the fog nozzles to maximize system performance. The use of 1.3 gph fog nozzles, properly spaced, can often save enough on chemical cost to pay for the investment in the system when compared to systems with higher flow nozzles on wide spacing. Specifically designed for NuTech's Phantom-4® Odor Counteractant, the LMC™ adapts to a variety of odor control applications and site requirements.

*Technical Experts in Odor Control*





## LMC™ High Pressure Fogging Odor Control System Components

### Pump and Motor

- • 1/2 hp motor—Plunger type brass pump with direct drive
- • 1-1/2 to 5 hp motor—Plunger type brass pump with pulley

### Control Panel

- • Nema 4X, FRP or Polycarbonate Construction
- • Panel Disconnect on 1-1/2 to 5 hp
- • System Controls
- • Optional Items
  - - Day Timer

### Equipment Stand

- • Stainless Steel Stand and Cabinet

### Dilution Controls and Components

- • Diaphragm Metering Pump—wide range chemical injection
- • Pressure Regulating Valve—adjusts pump pressure output
- • System Pressure Gauge 0-2000 psi
- • Thermal Relief Valve
- • Inlet Water Solenoid
- • Inlet Water Pressure Gauge 0-100 psi
- • Inlet Water Filter Assembly
- • Low Water Pressure Shut-Off
- • Optional Items
  - □ - Union Mount Back Flow Preventer
  - □