

Windrow-Mate™ Odor Control System

Specifications

Floor Unit

Height:	36"
Width:	24"
Depth:	43"
Holding Tank Capacity:	65 gal.
Shipping Weight:	145 lbs.
Operating Weight:	680 lbs.
Operating Pressure:	40 psi to nozzles 60 psi to pump
Pump:	Compressed Air Type

Utilities

Air Compressor:	15 to 20 cfm at 75 psi
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Operating Costs

Chemical Cost/nozzle/hr:	\$0.60 to \$1.00
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Applications

Municipal Wastewater Sites

- • Composting Operations
- • Sludge Drying Operations
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Industrial Sites

- • Composting Operations
- • Sludge Drying Operations

System Overview

The Windrow-Mate™ reduces odors generated during the turning of compost windrows. This system is designed for installation directly on the compost windrow turner. High-pressure fogging systems are often used on the perimeters to reduce odor complaints of outdoor composting sites. Reducing the concentration of the odor at the source, the turning of the compost, will greatly enhance the effectiveness of perimeter fogging systems, and could provide chemical operating cost savings.

The system has two sections, a preassembled chemical supply with feed system and a nozzle manifold assembly. After mounting, assembly requires only the piping of the air and chemical feed lines to the nozzle manifolds. The nozzle manifolds support and position 4 to 8 air atomizing nozzles. Each nozzle delivers 1 to 2.5 gph of chemical solution through the compressed air pump. Air compressor is supplied by the customer. Most windrow system manufacturers can supply a compatible engine driven air compressor or a diesel driven compressor can be used.

NuTech's DeAmine™ Odor Eliminator is pre-diluted in the 65 gallon system storage tank. The chemical operating costs are comparable to the chemical operating cost of a 50 nozzle high pressure fogging system and provide similar odor removal at the source.

Technical Experts in Odor Control



Windrow-Mate System Layout

