

Series 2000 Chemical Injection System

Specifications

Wall Mounted Unit

Height: 40"

Width: 48"

Depth: 12"

Shipping Weight: 50 lbs.

Operating Weight: 58 lbs.

Feed Pumps Operating Pressure: 60 to 150 psi

Manifold Line Circulation Pressure: 5 psi

Pump Size: Dual Diaphragm—1 to 8 gph

Motor Size: Fractional hp

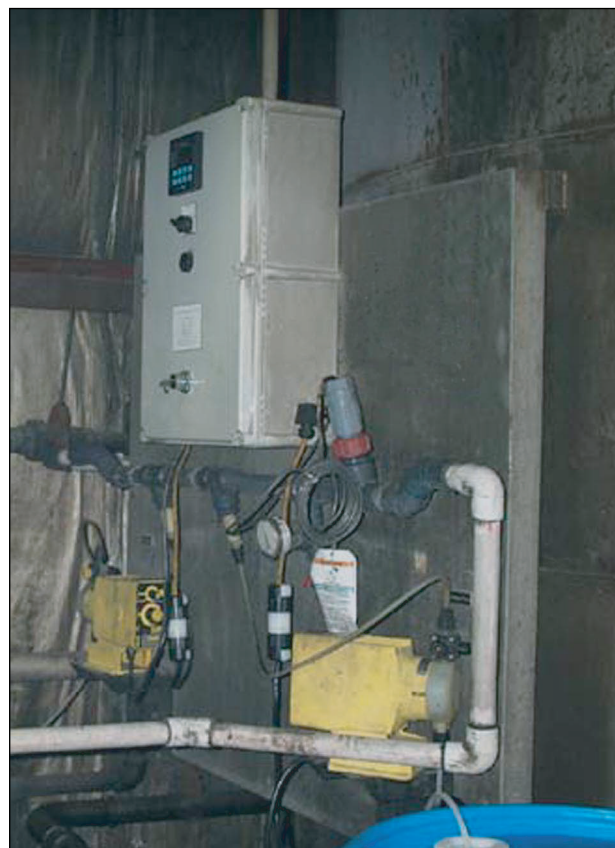
Utilities

Electrical: 120V, 1Ø, 60 hz, 10 amps

Water: none required

Operating Costs

Electrical Usage: 1.03 kw/h



Applications

Municipal Wastewater Sites

- • Wet Scrubbers or Crossflow Scrubbers for
 - □ - Composting Operations
 - □ - Lime Stabilization Operations
 - □ - Transfer Stations
 - □ - Large Volume Organic Odors

Industrial Sites

- • Wet Scrubbers or Crossflow Scrubbers for
 - □ - Blood Drying Operations
 - □ - Fish Processing Operations
 - □ - Food Processing Operations
 - □ - Composting Operations
 - □ - Lime Stabilization Operations

Companion Chemical Feed System for

- • Crossflow Wet Scrubbing System
- • Packed Tower Scrubbers
- • Fluidized Bed Scrubbers

System Overview

The Series 2000 is offered in two formats, a pH Chemical Addition or pH/ORP Control system. Both provide chemical feed and monitoring functions for recirculating wet scrubbing systems. The back panel mounts the control panel with the pH/ORP controller, two chemical feed pumps, and a chemical injection manifold with pH/ORP probes and chemical injection check valves. The unit can be wall mounted or retrofit directly on the scrubber and piped into the scrubber recirculation line. It provides close adherence to the programmed settings with little drift.

The pH control unit is programmable as either a pump-up system for adding alkalinity or a pump-down system for adding acid. When amines and/or ammonia are contaminants in the scrubber inlet air, the Series 2000 is normally set up for acid addition. In most applications, there are odorous organic substances that acid does not remove. The Series 2000 injects NuTech's DeAmine™ Odor Eliminator directly into the scrubber for removal of these organic odors.

Independent testing of DeAmine™ in rendering, blood drying and trash applications has documented reduction in odor concentration and intensity to prevent odor complaints. Additionally, a decrease in scrubber VOC emissions when using the DeAmine™ product has been verified.

Technical Experts in Odor Control



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