

VAPOR-PHASE SYSTEM FOR ODOR CONTROL



KEY FEATURES

Patented uniform vapor-distribution technology ensures a consistent and controllable level of odor neutralizer is dispersed via the pipe distribution system

All Byers Scientific vapor-phase units come equipped with our integrated Cloud-based SCADA platform enabling customers to remotely operate and collect real-time data from their systems from any cellphone, tablet or computer.

All customers are granted password-protected access to their system's dedicated website via the Client Portal on the Byers Scientific web page

Each system is custom designed and engineered for a customer's site-specific characteristics

UL Listed control panel is designed for site-specific electrical requirements (240 or 480 VAC, 3 Phase)

Utilizes Ecosorb® neutralizers from OMI Industries that are formulated specifically for odors associated with the solid waste, industrial-scale composting and agricultural industries

Rugged weather resistant enclosure capable of withstanding prolonged exposure to wind, rain and other elements

Service and maintenance easily accomplished with over-sized access door, removable tank lids and exterior accessed air filter housings

VAPOR-PHASE SYSTEM FOR ODOR CONTROL

SPECIFICATIONS

SYSTEM OVERVIEW

Footprint 74.5" L x 59.0" D x 63" H

Decibels at 30 feet: Approx. 65 dB

Access Door with Intake Filter

- Filter Size: 18" x 18" x 1" Nominal (Actual: 17.75" x 17.75" x 0.75")

63 Gallon Storage Tank

- Internal circulation via eductors
- In-Tank Heater for Cold Climates
- Tank can be filled by toggle switch operated pump affixed to tote/drum

Evaporation Tank

- Patented Uniform Vapor Production
- In-Tank Heater
- Tank fills automatically via PLC

ELECTRIC

UL-LISTED PANEL

30 / 40 / 50 Amp Service Disconnect

Panel Mounted Indicator Lights

Programmable Logic Controller (PLC) for Critical System Operations

Industrial Remote Access Router with External Antenna

High Temperature Limit Safety Controllers

3-PHASE COMPONENTS (208-240 / 480VAC)

Main Blower - 7.5 or 10 HP Options

7.5 HP Motor

- 19.4 - 17.6 / 8.8 Full Load Amps
- 3,530 RPM

10 HP Motor

- 19.4 - 17.6 / 8.8 Full Load Amps
- 3,530 RPM

Secondary Blower

- 0.5 HP Motor
- 3,450 RPM

In-Tank Heaters

- 2.00 - 2.66 / 3.50 Kilowatts
- 5.6 - 6.4 / 4.3 Amps

115VAC COMPONENTS

1/10 HP Tote Transfer Pump

1/25 HP Intermittent Circulation Pump

1/30 HP Transfer Pump

24VDC COMPONENTS

Flow Meter with Totalizer

Differential Pressure Sensor,
Range: 0 - 2 inH₂O

Differential Pressure Sensor,
Range: 0 - 40 inH₂O

Two (2) Liquid Level Sensors

Two (2) Liquid Temperature Sensors



**Monitor your system
anytime, from anywhere.**

Every Byers system comes fully equipped with a dedicated Cloud-based website, putting control in your hands.