

WATERLESS VAPOR-PHASE SYSTEM FOR ODOR CONTROL



KEY FEATURES

- Patented Uniform Vapor-Distribution
- Technology ensures a consistent and controllable level of product is dispersed via pipe distribution system
- All Byers Scientific Vapor units come equipped with our integrated Cloud-based Equipment-control 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
- UL Listed control panel is designed for site-specific electrical requirements (240 or 480 VAC, 3 Phase)
- Operational data are logged to provide evidence of compliance to local / state / federal agencies
- Optional weather station fully integrated with Cloud-based equipment control platform
- Utilizes Ecosorb® neutralizers from OMI Industries that are formulated specifically for odors associated with the solid waste, industrial-scale composting and agricultural industries
- Each system is custom designed and engineered for a client's site-specific characteristics
- 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

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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 Controller(s)

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

Main Blower - 7.5 or 10 HP Option

7.5 HP Motor:

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

10 HP Motor:

- 25.3 - 23 / 11.5 Full Load Amps
- 3,530 RPM

Secondary Blower

- 0.5 HP Motor
- 3,450 RPM

In-Tank Heater(s)

- 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.