

MOBILE VAPOR-PHASE SYSTEM FOR ODOR CONTROL



KEY FEATURES

Patented Uniform Vapor-Distribution Technology ensures a consistent and controllable amount of product is dispersed via heavy-duty lay flat hose 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

Operational data are logged to provide evidence of compliance to local / state / federal agencies

Trailer system includes a continuous duty Generac diesel Generator, two custom fabricated lay flat hose reels, an electronic self-leveling system and an on-board equipment storage box

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 customer'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

MOBILE VAPOR-PHASE SYSTEM FOR ODOR CONTROL

SPECIFICATIONS

VAPOR 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

VAPOR SYSTEM ELECTRIC

UL-LISTED PANEL

30 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 (480VAC)

Main Blower

- 7.5 HP Motor
- 8.8 Full Load Amps
- 3,530 RPM

Secondary Blower

- 0.5 HP Motor
- 3,450 RPM

In-Tank Heaters

- 3.50 Kilowatts
- 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

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TRAILER SYSTEM FEATURES

DECK-OVER TRAILER

- Footprint 108" W x 240" L
- Two (2) 5200 lbs. Axles with EZ Lube Hubs
- 9890 lbs. GVWR, 7000 lbs.
- Drop Leg Jack
- 2-5/16" Coupler
- ST225/75R15 Radial Tires
- Spare Mount
- Rub Rails
- LED Lights

25KVA GENERAC DIESEL GENERATOR

- External E-Stop is easy to locate and access in emergency situations
- Phase switch safety shutdown
- Access doors with auto shutdown separates main breaker access from load cables
- Controller located on rear of unit away from power wires and service points and lockable for security and safety
- Fuel access is lockable and located away from power distribution
- Maximized service access with removable French style doors
- No diesel particulate filter (DPF)
- Long run time, 56 gallon tank requires less fill-ups for more uptime

ELECTRONIC LEVELING SYSTEM

- Auto-level feature automatically levels your trailer perfectly with the touch of a button
- Manual mode allows for each jack to move individually or in pairs
- Touchscreen remote included, worked up to 50' away from trailer
- Touch-pad control has easy-to-read buttons and LCD screen
- Sturdy steel construction with corrosion-resistant black powder coat finish
- Manual override access on the jacks allows operation in case of a power failure
- Large, round footplates keep jacks from sinking into the ground

DISTRIBUTION HOSE REELS

- Two (2) custom fabricated hose reels to accommodate lay-flat hose for easy storage

ON-BOARD EQUIPMENT BOX

- For storage of included camlock fittings and high-visibility rebar stakes for securing lay-flat hose



Monitor your system anytime, from anywhere.

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