

MOBILE VAPOR-PHASE SYSTEM FOR ODOR CONTROL



KEY FEATURES

Patented uniform vapor-distribution technology ensures a consistent and controllable amount of odor neutralizer is dispersed via the heavy-duty lay flat hose 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

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.