



EvaporationWorks

EVAPORATION. AERATION. BIOREMEDIATION.

Varimax® V-40



Varimax® V-40 Floating Evaporator



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Description

The Varimax® V-40 is the building block for larger configurations requiring greater evaporation volumes. Each unit is designed to evaporate up to 50,000 gallons per day under certain weather conditions.

Physical Information

Floating Evaporator Frame

Marine grade aluminum 6061 frame coated with Nyalic, mounted on a polyethylene pontoon filled with 2-part polyurethane foam. Also available in Stainless Steel 304 and 316. Weight: 1,100 lbs (500 kg) fully assembled and ready for installation.

Control Panel

UL certified, NEMA 4X enclosure. 48" (1219.2 mm) tall, 36" (914.4 mm) wide, and 12" (304.8 mm) deep, 345 lbs (157 kg), stainless steel. Weather sealed and E-stop installed. Available mounting stand.

- Remote monitoring for motor speed and droplet dispersion.
- Automatic shutoff for high motor temperature and flow rate reduction.
- Auto control based on real-time weather data.

Components

Atomizers

Four (4) energy-efficient, 1.5-HP, 3-Phase, water-cooled, high-speed atomizer motors.

Pump

1-HP water sump pump built of Fiber Reinforced Polymers and Titanium for durability mounted on side of float (pontoon). Easily removed for service. Screen available.

Anemometer

One anemometer for wind detection and atomizer speed control included with standard system to regulate droplet size and dispersion radius.

Automation

The Environmental Control Interface (ECI) allows Varimax® V-40 users additional touchscreen capabilities for regulatory compliance purposes.

Electrical Requirements

Electrical

3-Phase, 208-240 V, 60 Hz, 40-Amp disconnect. For generator power, a minimum of 35 kVA is needed. Highly efficient technology with very low electric costs.

Performance

Up to 90% evaporation efficiency. Performance will vary with climate.



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