



## ABOUT EVAPORATION KING

Evaporation King LLC is a U.S. Florida and Colorado based designer, manufacturer, and global distributor of a proprietary line of evaporation equipment for the Mining, Energy, Food & Beverage, Bio & Pharma, Textile, and Waste Management industries.

EK produces various models for high and lower-volume applications and distributes them through an international network of independent dealers, strategic partners, and distributors.



## CONTACT US

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EVAPORATION  
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## GLADIATOR ACCELERATED EVAPORATION SERIES

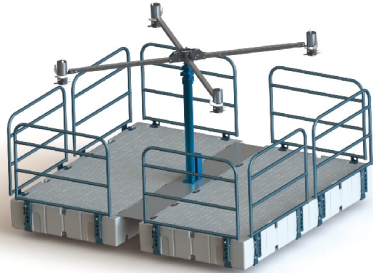
TRANSFORM. PURIFY. RECYCLE





# GLADIATOR 120

## ENHANCED EVAPORATION SYSTEM



### FEATURES AND BENEFITS

- ✓ 120 GPM (546 LPM) Throughput
- ✓ Industry-leading 18,000 RPM Waterproof Motor
- ✓ Plug and Play Design
- ✓ Average Droplets Between 25-80 Microns @ 30 GPM (114 LPM)
- ✓ Atomization Flow Control
- ✓ Electric Mast Atomizer Heights 4' To 12'

# WEATHER & DROPLET CONTROL

## CONTROL SYSTEM FOR THE GLADIATOR SERIES



### FEATURES AND BENEFITS

- ✓ Site-Specific Programming
- ✓ Keeps Overspray Confined
- ✓ Intuitive 15" Touch Screen
- ✓ Multiple Wind Speed Settings
- ✓ Wind Direction Droplet Control
- ✓ Cloud Based Data Collection
- ✓ Optional Live Camera

# GLADIATOR PLUS

## ENHANCED EVAPORATION SYSTEM



### FEATURES AND BENEFITS

- ✓ 720 GPM (3273 LPM) Throughput
- ✓ Industry-leading 18,000 RPM Waterproof Motor
- ✓ Plug and Play design
- ✓ Average Droplets Between 25-80 Microns @ 30 GPM (114 LPM)
- ✓ Electric Mast Atomizer Heights 4' to 12'
- ✓ Floating Walkway for Safety & Maintenance

Introducing the cutting-edge Gladiator 120 Enhanced Evaporation System, a revolutionary solution for smaller wastewater ponds and lagoons that collect industrial process waters or stormwater.

- This state-of-the-art system utilizes the power of rotary atomization to accelerate the natural evaporation process, transforming wastewater into tiny micron droplets that effortlessly transition into vapor.
- By harnessing this advanced technology, the Gladiator 120 ensures that only pure water remains in the hydrologic cycle, promoting sustainability and environmental preservation.

The WDC assesses the live weather conditions from a Vaisala weather station and sends a signal via a PLC to the VFD to increase or reduce the atomizer RPM according to wind speed and direction.

- The atomizer hub spins at optimum RPMs to create water-droplet spectra between 25-80 microns that efficiently maximize water evaporation.
- The Gladiator atomizer speeds are programmed to automatically slow when the wind speed increases or the direction changes to a set path.
- The WDC will shut down automatically in extreme weather conditions, including high humidity (rain), low temperature, or high wind gust.

The Gladiator PLUS Enhanced Evaporation System is specifically designed for installation on large wastewater ponds or lagoons that capture industrial process waters or stormwater.

- By harnessing the power of rotary atomization, the Gladiator PLUS revolutionizes the evaporation process, transforming wastewater into tiny micron droplets that effortlessly transition into vapor.
- This innovative system ensures that pure water remains in the hydrologic cycle, promoting sustainability and environmental preservation.