

PURPOSE BUILT ATOMIZER MOTOR

EVAPORATION KING

THREE PHASE PERMANENT MAGNET MOTOR	
Voltage (V): 240/480 @60Hz	NEMA 4X / IP66
Amps: 16/8 @30GPM / 113LPM	HP: 7.6
Hz: 600	kW: 5.58
RPM: 18,000	Weight: 23lb
Model: EK-1000	10.43Kg



- Stainless Steel Construction
- Triple Shaft Seals
- Tight Tolerance Manufacturing
- Precision Ball Bearings
- Waterproof Connection Points
- Replaceable Gaskets & Seals



CONTACT US

 +1.863.225.1320 (Florida)
 +1.480.740.8480 (Arizona)
 sales@evaporationking.com
 www.evaporationking.com
 15966 N 80th St Scottsdale, AZ 85254



LOW
↑
WATER FLOW RATE
↓
+ HIGH



GLADIATOR 20 | 20 GPM | | 75 LPM |

- ✓ Small applications with disposal needs of 20gpm or less
- ✓ Manual atomizer speed and water flow rate adjustment
- Optional Add ons:
 - WDC - Automated weather control operation



GLADIATOR 60 | 60 GPM | | 227 LPM |

- ✓ Small to mid size applications with disposal needs of less than 60gpm
- ✓ Optional add ons:
 - WDC - Automated weather control operation
 - Optional solar power add on for remote "off grid" areas



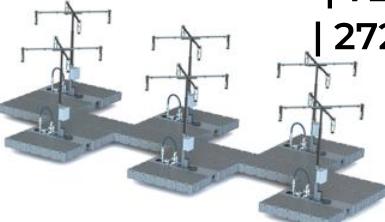
GLADIATOR 80 | 80 GPM | | 302 LPM |

- ✓ Mid size applications with disposal needs of 80gpm or less
- ✓ Fixed mast height & water flow rate.
- ✓ Modular with additional G80 systems
- ✓ Optional add ons:
 - WDC - Automated weather control
 - Land or water based applications
 - Upsize to 120GPM



GLADIATOR 120 | 120 GPM | | 454 LPM |

- ✓ Large size applications with disposal needs of 120gpm or less
- ✓ Adjustable mast height (4'-12') & water flow rate.
- ✓ Modular with additional G120 systems for larger flow rates
- Optional add ons:
 - WDC - Automated weather control
 - Land based applications



GLADIATOR 720 | 720 GPM | | 2725 LPM |

- ✓ Industrial size applications with disposal needs of 720gpm or more (unlimited)
- ✓ Adjustable mast height (4'-12') & WDC with adjustable water flow rate.
- ✓ Modular with additional G720 systems for larger flow rates
- Optional add ons:
 - Land based applications

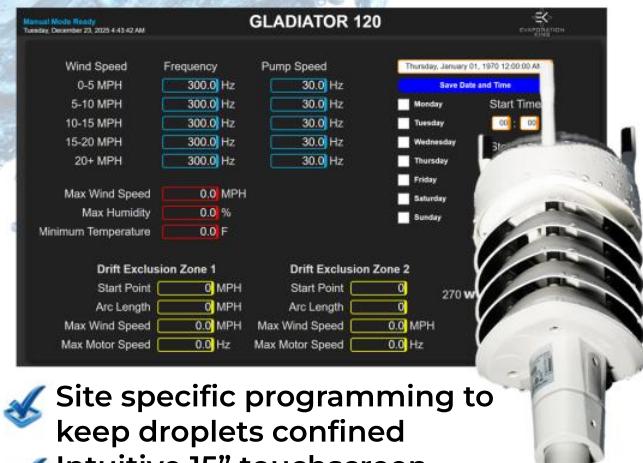
GLADIATOR SERIES MECHANICAL EVAPORATION SYSTEM

The Gladiator Series mechanical evaporators provide a revolutionary solution for wastewater ponds and lagoons. Their advanced design uses rotary atomization to accelerate the natural evaporation process by transforming wastewater into microscopic droplets (20-100 microns) that rapidly convert into water vapor.

This innovative system ensures that pure water is returned to the hydrologic cycle, promoting sustainability and environmental preservation. Each gallon of water is broken into more than 100 billion droplets, enabling evaporation rates 50 times faster(or more) than natural conditions.

By dramatically increasing evaporation efficiency, the system also significantly reduces land requirements, allowing evaporation ponds to be much smaller than those needed for traditional evaporation methods.

WEATHER DROPLET CONTROL (WDC)



- ✓ Site specific programming to keep droplets confined
- ✓ Intuitive 15" touchscreen control with optional remote access
- ✓ Multiple wind speed and direction settings to optimize evaporation
- ✓ Minimum temp and maximum wind speed shut down setpoints