



# **GREENZAPR UVC STERILIZER**

[greensgroomer.com](https://www.greensgroomer.com)





## THE POWER OF UVC

Introduced in 2011, the GreenZapr® represents a new paradigm in synthetic turf safety. Built around germicidal ultraviolet (UVC) lights, the GreenZapr disinfects synthetic surfaces with powerful exposure, instantly destroying harmful micro-organisms.

From viruses such as Hepatitis, STAPH, and E-Coli to Salmonella, HIV and the Influenza viruses, GreenZapr creates the ultimate benchmark for field safety. Unlike chemical methods which can allow for microbes to develop into “super-bugs”, UVC acts on the cellular level, destroying the DNA of the organism.

## SIMPLE, EFFECTIVE SANITATION

The GreenZapr is built on the same, high-quality fabrication people have grown to expect from GreensGroomer. Powered by a portable Honda generator or optional rechargeable gel cell, the UVC lamps are mated into two reflector modules. The standard 3-pass treatment places over  $6,707\mu\text{W}/\text{cm}^2$  of UVC energy on any given portion of the field – killing all harmful micro-organisms.

## LOW COST APPLICATION

Compared to other sanitation techniques, the GreenZapr is the most efficient, most cost-effective method available to the industry. Chemical costs are high. A continual, on-going program can far exceed the cost of the GreenZapr unit.

A regular, treatment program stretched over a four or five year schedule results in a cost per treatment as low as \$25.00. Since the GreenZapr provides thousands of hours of effectiveness before bulb replacement, the cost of sanitation is fixed, allowing facilities to treat surfaces as often as need with no additional cost.

## SAFE & SIMPLE OPERATION

The GreenZapr is a tow-behind unit, with high-quality roller bearings on the running gear for smooth, easy operation. Following a simple, three-pass pattern, eradication of harmful pathogens can reach a 99.9% kill factor.

The GreenZapr is equipped with a safety “position sensor” to shut the unit off when being raised and the SMART control module shuts off power to the unit when not in operation.



## UVC REFLECTOR MODULES

The central design feature of the GreenZapr are the two reflector modules. With a specialized design and highly polished surface, the modules increase the power of each UVC lamps.

Each of the sixteen (16) specifically designed UVC lamps. It's designed to operate at a distance of 2.5" from the surface. At this distance, the energy intensity (measured in terms of micro watts per square centimeter) is 6,558  $\mu\text{W-s}/\text{cm}^2$ .

When operating the unit at the recommended 3-pass/6 mph method, the "dosage" is 6,707  $\mu\text{J}/\text{cm}^2$ . For reference, Staphylococcus aureus (MRSA) requires 6,600  $\mu\text{W}/\text{cm}^2$  for a 3-log (99.9%) reduction.

## RELIABLE ON-BOARD POWER

Power for the unit is provided by a reliable on-board gas generator. Optionally, the unit can be equipped with rechargeable gel cell batteries that provide a more convenient, safe option for indoor settings.



## PRODUCT BACKGROUND

We design and fabricate our equipment with an eye towards indestructibility. We know that equipment can take a real beating, so the structural elements and materials are specified for maximum strength and longevity in mind. Our parts are quickly obtained through our dealer network or directly from GreensGroomer WorldWide, Inc.

## PRODUCT SERVICE & SUPPORT

All GreensGroomer equipment is fabricated and assembled in Indianapolis Indiana with high-quality materials and procedures from experienced craftsmen and personnel. Our equipment is prepped and crated for quick order processing and shipment. With a central domestic location, we can minimize freight across the US and have international shipments prepared for containers on both coasts.

Distribution is handled by a global network of dealers, ready to serve your equipment needs. Should you have any product questions or require parts for your existing GreensGroomer equipment, don't hesitate to contact our Customer Service Department at 888-298-8852.



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| <b>Model</b>                   | 850, 851  |
| <b>Main Frame</b>              | 2 inch square tube w/ 1-1/2 inch square tube cross bars   |
| <b>Drawbar</b>                 | One piece 2 inch square tube  |
| <b>Length / Width</b>          | 108 inches    84 inches   |
| <b>Weight</b>                  | Model 850: 1,250 lbs.    Model 851: 1,450 lbs.  |
| <b>Running Gear</b>            | 4 pneumatic tires (16 x 650-8) Ribbed 2-ply with caged roller bearings and spanner bushing  |
| <b>Lift Mechanism</b>          | Hand crank with safety "position sensor"  |
| <b>Light Module</b>            | 2 – 8 UVC light module w/ LED indicators and hour meter   |
| <b>UVC Bulb</b>                | Sixteen 36 watt slim line, hard quartz glass lamp envelope with FEP shatter-proof coating and waterproof sure seal lamp socket connection |
| <b>Power Source</b>            | Model 850: 1000 watt Honda gas generator<br>Model 851: 4 deep cycle rechargeable gel-cell batteries with 1000 watt inverter/charger       |
| <b>Spring Tine Rake</b>        | 42 – 3/16" diameter tines with 40° tip bend   |
| <b>Finish</b>                  | Powder coat with 6-step pre-wash including degreaser and anti rust coating  |
| <b>Shipping Crate / Weight</b> | 116" x 82" x 42"    1,865 lbs.  |