Since 1963, Atlantic Ultraviolet Corporation® has pioneered the discovery and development of beneficial uses of ultraviolet energy. Over the years these efforts have led to the development of valuable, cost effective and environmentally sound techniques and products now known and respected throughout the world.

The UV Application Specialists at Atlantic Ultraviolet Corporation® assist customers in the selection of germicidal lamps and equipment. Their specialized knowledge is a valuable resource in formulating effective and cost-conscious ultraviolet solutions. Extensive inventories and a dedicated staff enable Atlantic Ultraviolet Corporation® to fulfill its commitment to provide fast deliveries and responsive customer service.

Ultraviolet is a unique and rapid method of disinfection utilizing germicidal ultraviolet lamps that produce short-wave radiation at 254 nanometers (nm) that is lethal to bacteria, virus and other microorganisms.

An ever growing range of industries and consumer applications have found ultraviolet to be the ideal solution for their air and surface treatment needs.

Atlantic Ultraviolet Corporation® equipment and systems are manufactured in the USA.
**ADVANTAGES**

**Economical**
System requires very little power to operate.

**Safe**
Built-in three minute delay allows the operator time to safely leave area.

**Fast**
Disinfects both air and exposed surfaces. A room as large as 1,000 square feet can be treated in less than one hour. (Larger spaces require more time, see chart on page 7.)

**Easy**
Simple use and maintenance.

**Automatic**
Continuous disinfection without special attention.

**Durable**
Polished Stainless Steel

**Portable**
Unit is easily transported from one area to another.

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**PRINCIPLE OF OPERATION**

The **Sanidyne® Prime** has been carefully conceived to provide germicidal ultraviolet disinfection to purify the room air and exposed surfaces of an **unoccupied** area by means of four germicidal lamps. These special lamps generate high levels of germicidal ultraviolet radiation lethal to infectious microorganisms such as bacteria, mold and virus.

The ultraviolet disinfection dosage is a function of time and intensity to which the air and surrounding surfaces are exposed. Our UV application specialists would be happy to perform the necessary calculation to ensure the sanitizer we provide is appropriate for your particular application.

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The operation of the **Sanidyne® Prime** is as follows:

1. Clear room of all occupants (**Sanidyne® Prime** can only be used in **unoccupied** areas). Affix warning signs (included) onto all doors of the room that is to receive the **Sanidyne® Prime** disinfection.

2. Treatment time is set, start button engaged, built-in three minute delay allows time for operator to leave area.

3. Ultraviolet rays are projected within the **unoccupied** area, for the programmed period of time.

4. The air and exposed surfaces within the room are disinfected. The infectious microorganisms such as bacteria, mold and virus are inactivated.

5. The **Sanidyne® Prime** treatment cycle ends. Its compact size and light weight allows it to be carried to the next location that needs disinfection.
**SPECIAL FEATURES**

**Sanidyne® Prime Ultraviolet Portable Area Sanitizer**

**STER-L-RAY® Instant Start U-Bend Germicidal Lamps**
Specially designed lamps are instant starting and provide the utmost in quality, sustained output and longevity (see page 6 for information).

**Lamp Guard**
Stainless steel cage that protects lamps.

**Stainless Steel Construction**
The unit is manufactured in Type 304 stainless steel for unparalleled strength, durability and an attractive finish.

**Surelite™ Ballasts**
State-of-the-art electronic ballasts specifically developed for the operation of germicidal ultraviolet lamps. Versatile, instant start ballasts provide higher lamp output; are smaller, lighter, more efficient and operate cooler than magnetic ballasts.

**24-Hour Interval Timer**
Easy programmable timer, allows treatment time to be customized to room size.

**Warning Signs (2)**
To be affixed to entry door(s) to warn that an ultraviolet sanitizer is in use and that the treatment area should not be entered. Sanidyne® Prime is for use only in unoccupied areas.

**Observation Ports (4)**
Located on top of the unit, these ports allow the inspection of the lamps with storage cover on, without the risk of ultraviolet exposure.

**Steadfast™ Bayonet Socket Mount Lamp Holder**
Bayonet Socket Mount four-pin lamp holder, fastens the lamp securely while providing convenient, "quick and easy" lamp change.

**UV-Blocking Adjustable Full Face Shield** (not shown)
Protects eyes and face from ultraviolet exposure.

**Three-Minute Time Delay Mechanism**
After start button is engaged an audible warning sounds for 3 minutes allowing operator time to leave area, before disinfection cycle begins and ultraviolet lamps are switched on.
### Sanidyne® Prime®

**Ultraviolet Portable Area Sanitizer**

**SPECIAL FEATURES**

- **Elapsed Time Indicator**
  - Real-time, non-resettable display of accumulated operating hours.

- **Removable Rigid Storage Cover**
  - Protects the germicidal lamps from breakage while transporting and/or storing the sanitizer.

**Specifications**

<table>
<thead>
<tr>
<th></th>
<th>120V</th>
<th>220V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Volts:</strong></td>
<td>120V</td>
<td>220V</td>
</tr>
<tr>
<td><strong>Amps:</strong></td>
<td>2.25 A</td>
<td>1.3 A</td>
</tr>
<tr>
<td><strong>Hertz:</strong></td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td><strong>Input Wattage:</strong></td>
<td>220 W</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum Treatment Time:</strong></td>
<td>24 Hours</td>
<td></td>
</tr>
<tr>
<td><strong>Number of Lamps:</strong></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Maximum Treatable Room Size:</strong></td>
<td>58' L x 58' W x 20' H</td>
<td></td>
</tr>
<tr>
<td><strong>Total Ultraviolet Output:</strong></td>
<td>77.2 Watts</td>
<td></td>
</tr>
<tr>
<td><strong>Rated Lamp Life:</strong></td>
<td>10,000 Hours</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions:</strong></td>
<td>14” L x 12-1/8” W x 31-1/2” H</td>
<td>Polished Stainless Steel</td>
</tr>
<tr>
<td><strong>Weight:</strong></td>
<td>22 lbs.</td>
<td></td>
</tr>
</tbody>
</table>
GENUINE STER-L-RAY® GERMICIDAL LAMPS

STER-L-RAY® Germicidal Lamps are shortwave, low pressure mercury vapor discharge tubes that produce ultraviolet wavelengths lethal to microorganisms. Approximately 95% of the ultraviolet energy emitted from STER-L-RAY® germicidal lamps is at the mercury resonance line of 254 nanometers, the region of germicidal effectiveness most destructive to bacteria, mold and virus.

STER-L-RAY® and the Sanidyne® Prime logo are trademarks of Atlantic Ultraviolet Corporation®.

CAUTION: Exposure to direct or reflected germicidal ultraviolet rays will cause painful eye irritation and reddening of the skin. Personnel subject to such exposure must wear suitable face shield, gloves and protective clothing.

Hg - LAMP CONTAINS MERCURY, manage in accord with disposal laws, see: LampRecycle.org.

OPERATING CHARACTERISTICS

ULTRAVIOLET DOSAGE

Germicidal lamps provide effective protection against microorganisms. A small cross-section is shown below.

<table>
<thead>
<tr>
<th>ORGANISM</th>
<th>ALTERNATE NAME</th>
<th>TYPE</th>
<th>DISEASE</th>
<th>DOSE*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corynebacterium diphtheriae</td>
<td>C. diphtheriae</td>
<td>Bacteria</td>
<td>Diptheria</td>
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<tr>
<td>Legionella pneumophilia</td>
<td>L. pneumophila</td>
<td>Bacteria</td>
<td>Legionnaire’s Disease</td>
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<tr>
<td>Mycobacterium tuberculosis</td>
<td>M. tuberculosis</td>
<td>Bacteria</td>
<td>Tuberculosis (TB)</td>
<td>10,000</td>
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<tr>
<td>Pseudomonas aeruginosa</td>
<td>P. aeruginosa</td>
<td>Bacteria</td>
<td></td>
<td>3,900</td>
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<tr>
<td>Serratia Marcescens</td>
<td>S. marcescens</td>
<td>Bacteria</td>
<td></td>
<td>6,160</td>
</tr>
<tr>
<td>Staphylococcus aureus</td>
<td>S. aureus</td>
<td>Bacteria</td>
<td></td>
<td>6,600</td>
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<tr>
<td>Staphylococcus epidermidis</td>
<td>S. epidermidis</td>
<td>Bacteria</td>
<td></td>
<td>5,800</td>
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<tr>
<td>Adeno Virus Type III</td>
<td></td>
<td>Virus</td>
<td></td>
<td>4,500</td>
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<tr>
<td>Coxsackie A2</td>
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<td>Virus</td>
<td></td>
<td>6,300</td>
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<td>Influenza</td>
<td></td>
<td>Virus</td>
<td>Flu</td>
<td>3,400</td>
</tr>
</tbody>
</table>

* Nominal Ultraviolet dosage (µWSec/cm²) necessary to inactivate better than 99% of specific microorganism. Consult factory for more complete listing.
Sanidyne® Prime Ultraviolet Portable Area Sanitizer disinfects air and surfaces in unoccupied areas by means of four germicidal lamps. The lamps generate high levels of germicidal ultraviolet radiation lethal to bacteria, mold, virus and fungi. The compact size and lightweight design conveniently allows the Sanidyne® Prime to be carried from one location to another, providing disinfection wherever and whenever necessary. A 30 x 30 foot room can be treated in less than an hour.

Typical applications for the Sanidyne® Prime include: Operating Rooms, Patient Rooms, Laboratories, Clean Rooms, Open Work Space, Homeless Shelters, Auditoriums, Hotel Rooms, Gymnasiums, Morgues, Open Office Areas, or areas where permanently mounted fixtures are not an option.

The Sanidyne® Prime Ultraviolet Portable Area Sanitizer does not require professional installation. Access to the room must be avoided when Sanidyne® Prime is in operation.

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*Recommended Treatment Time for Various Room Sizes
Sanidyne® Prime in Center of Room*

*Based on 8 Foot Ceiling Height*

*Treatment times are based on a calculated minimum ultraviolet dose of 30,000 microwatt-seconds per square centimeter at 254nm.*