

Sanidyne®

ULTRAVIOLET PORTABLE AREA SANITIZER



ATLANTIC **U** ULTRAVIOLET
CORPORATION®

ABOUT US

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.



Atlantic Ultraviolet's application specialists 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 to fulfill its commitment to provide fast deliveries and responsive customer service.

GERMICIDAL ULTRAVIOLET

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 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

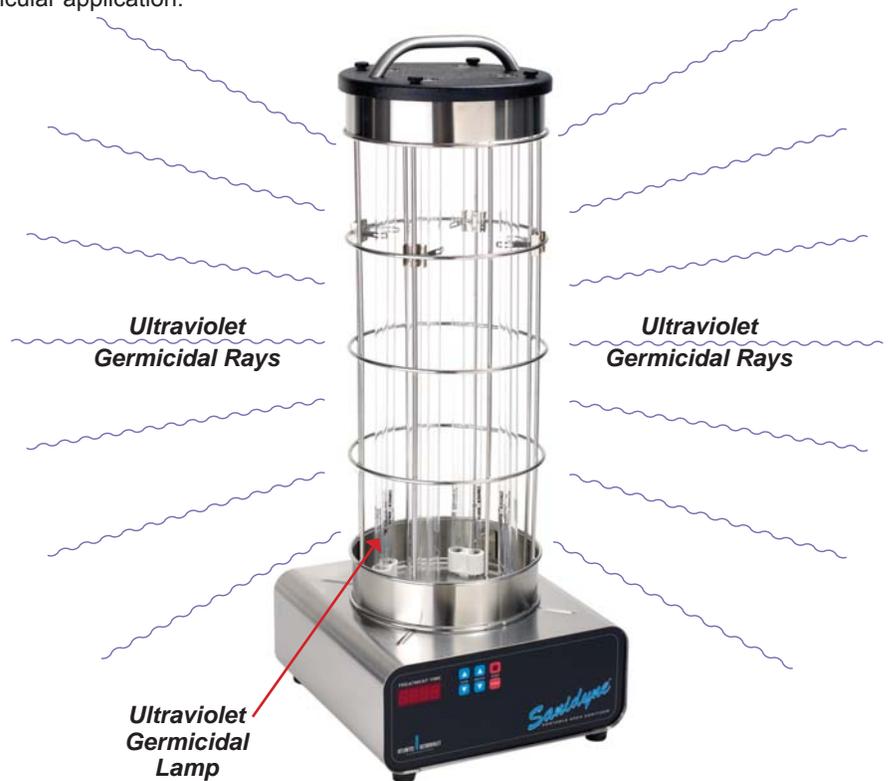
Portable

Unit is easily transported from one area to another.

PRINCIPLE OF OPERATION

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

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.



The operation of the **Sanidyne**[®] is as follows:

1. Clear room of all occupants (**Sanidyne**[®] can only be used in **unoccupied** areas). Affix warning signs (included) onto all doors of the room that is to receive the **Sanidyne**[®] 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, molds and viruses are inactivated.
5. The **Sanidyne**[®] treatment cycle ends. Its compact size and light weight allows it to be carried to the next location that needs disinfection.

SPECIAL FEATURES

Sanidyne® Ultraviolet Portable Area Sanitizer

STER-L-RAY® Slimline 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

The stainless steel cage, 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 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.



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)

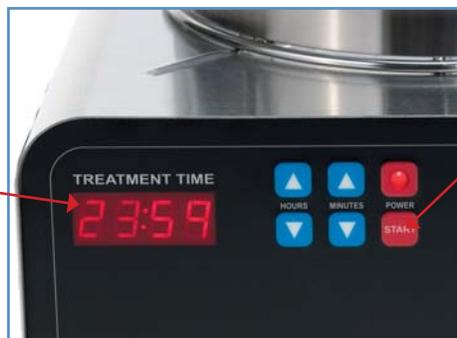
Protects eyes and face from ultraviolet exposure.

Warning Signs (not shown)

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® is for use only in **unoccupied** areas.

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.



SPECIAL FEATURES



Elapsed Time Indicator

Real-time, non-re-settable display of accumulated operating hours.



Removable Rigid Storage Cover

Protects the germicidal lamps from breakage while transporting and/or storing the sanitizer.



SPECIFICATIONS - Sanidyne® Ultraviolet Portable Area Sanitizer

	120V	220V
Volts:	120V	220V
Amps:	2.25 A	1.3 A
Hertz:	50/60 Hz	50/60 Hz
Input Wattage:	220 W	
Maximum Treatment Time:	24 Hours	
Number of Lamps:	4	
Maximum Treatable Room Size:	58' L x 58' W x 20' H	
Total Ultraviolet Output:	77.2 Watts	
Rated Lamp Life:	10,000 Hours	
Dimensions:	14" L x 12-1/8" W x 31-1/2" H	
Housing and Storage Cover:	Polished Stainless Steel	
Weight:	22 lbs.	

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.

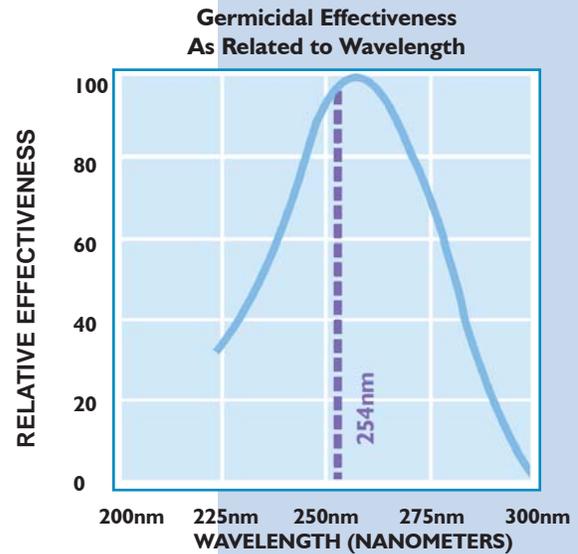
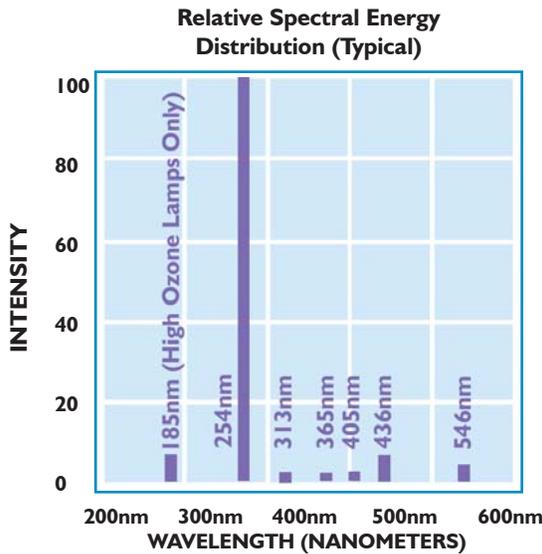
STER-L-RAY[®] and the **STER-L-RAY**[®] logo are trademarks of Atlantic Ultraviolet Corporation.

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 faceshield, gloves and protective clothing.



*Slimline U-Bend
Germicidal Lamps*

OPERATING CHARACTERISTICS

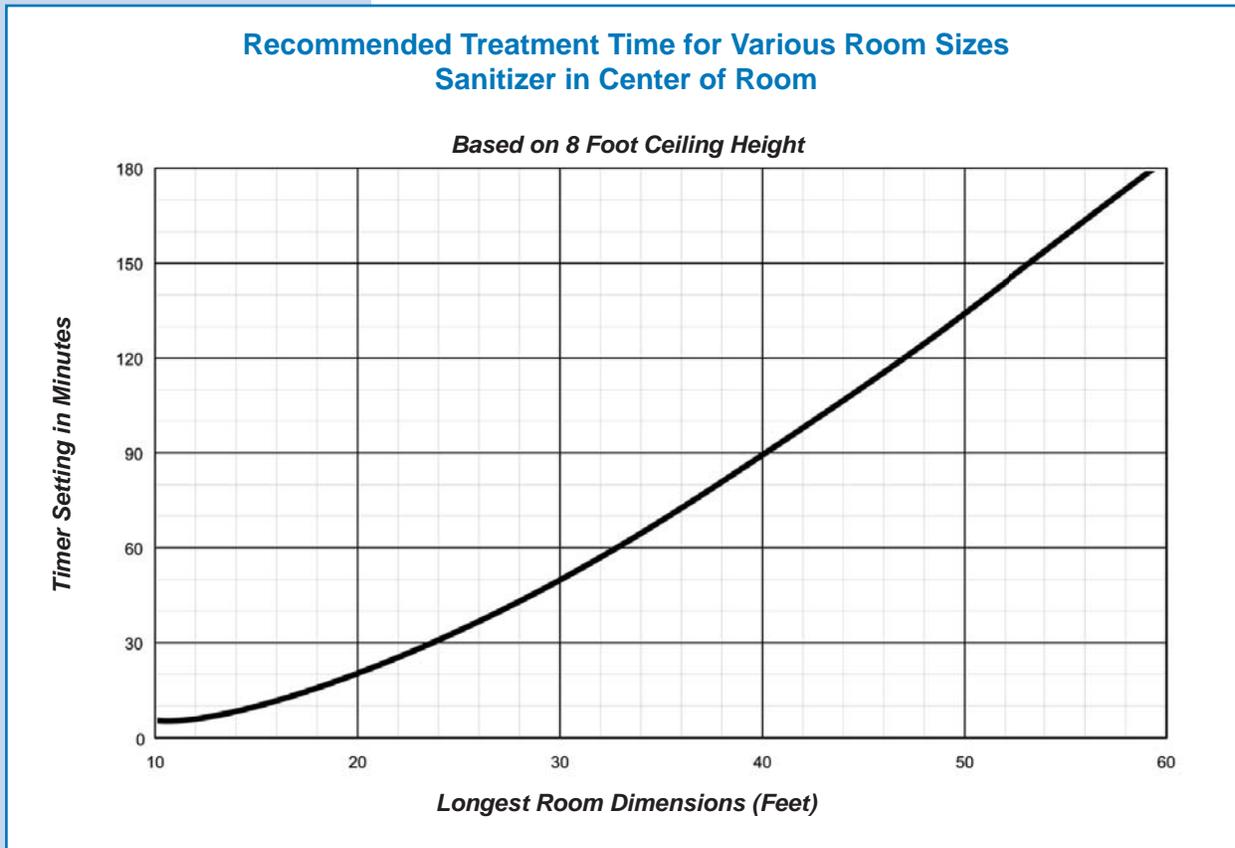


ULTRAVIOLET DOSAGE

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

ORGANISM	ALTERNATE NAME	TYPE	DISEASE	DOSE*
<i>Corynebacterium diphtheriae</i>	<i>C. diphtheriae</i>	Bacteria	Diphtheria	6,500
<i>Legionella pneumophila</i>	<i>L. pneumophila</i>	Bacteria	Legionnaire's Disease	2,700
<i>Mycobacterium tuberculosis</i>	<i>M. tuberculosis</i>	Bacteria	Tuberculosis (TB)	10,000
<i>Pseudomonas aeruginosa</i>	<i>P. aeruginosa</i>	Bacteria		3,900
<i>Serratia Marcescens</i>	<i>S. marcescens</i>	Bacteria		6,160
<i>Staphylococcus aureus</i>	<i>S. aureus</i>	Bacteria		6,600
<i>Staphylococcus epidermidis</i>	<i>S. epidermidis</i>	Bacteria		5,800
Adeno Virus Type III		Virus		4,500
Coxsackie A2		Virus		6,300
Influenza		Virus	Flu	3,400

* Nominal Ultraviolet dosage ($\mu\text{WSec}/\text{cm}^2$) necessary to inactivate better than 99% of specific microorganism. Consult factory for more complete listing.

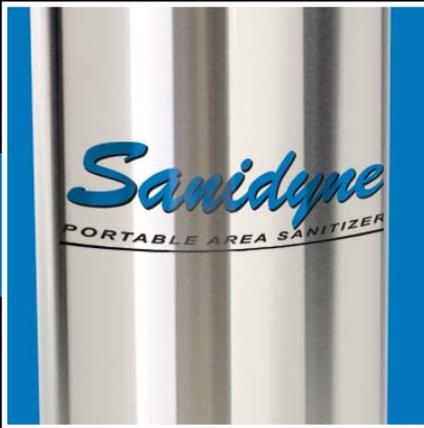


Sanidyne® Ultraviolet Portable Area Sanitizer disinfects air and surfaces in **unoccupied** areas by means of four germicidal lamps. The lamps generate high levels of germicidal ultraviolet radiation lethal to bacteria, molds, viruses and fungi. The compact size and light weight design conveniently allows the **Sanidyne**® 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**® 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**® Ultraviolet Portable Area Sanitizer does not require professional installation. Access to the room **must** be avoided when **Sanidyne**® is in operation.

THE STANDARD OF EXCELLENCE IN ULTRAVIOLET



Manufacturers / Engineers / Sales / Service



375 Marcus Boulevard • Hauppauge, NY 11788 • 631.273.0500 • Fax: 631.273.0771 • E-mail: info@ultraviolet.com • ultraviolet.com

The information and recommendations contained in this publication are based upon data collected by the Atlantic Ultraviolet Corporation® and are believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. Specifications and information are subject to change without notice.

Document No. 98-0898 • Revised April 2013 • ©2000-2013 by Atlantic Ultraviolet Corporation® • MADE IN THE USA

