

Product Overview

- Units may be mounted into new or existing duct systems
- Constructed of corrosion-resistant Stainless Steel
- Reduces and/or eliminates the growth of bacteria, mold and spores
- Controls the spread of airborne cold and flu viruses as well as other airborne transmitted diseases
- Observation Port/Sight Glass Assembly allows for visual inspection of the lamp, without the need to remove the unit from the duct
- Continuous disinfection without special attention
- Efficient lightweight electronic ballast
- Numerous models available to handle various applications



Sample of Applications

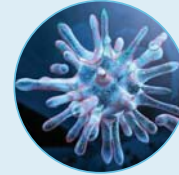
- Residential, Commercial or Industrial Building HVAC Systems
- Contact the factory for assistance in choosing the appropriate unit for your application

HOW DO ULTRAVIOLET DISINFECTION SYSTEMS WORK?

Atlantic Ultraviolet Corporation's disinfection systems contain one or more **STER-L-RAY®** germicidal ultraviolet lamps. These germicidal lamps, produced by Atlantic Ultraviolet Corporation, are short wave, low-pressure, mercury vapor lamps.

Approximately 95% of the ultraviolet energy emitted is at the mercury resonance line of 254 nanometers. This wavelength is highly effective against microorganisms including: virus, bacteria, and mold spores.

As the air stream and surfaces are exposed to the germicidal ultraviolet light, the genetic material of the microorganism is destroyed or inactivated, preventing them from reproducing and rendering them harmless.



MICROORGANISMS DEACTIVATED BY GERMICIDAL ULTRAVIOLET LIGHT

| Organism | Alt. 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 (μ WSec/cm²) necessary to inactivate better than 99% of specific microorganism. Consult factory for more complete listing.



Ultraviolet Air Disinfection Equipment

SINCE 1963
ATLANTIC ULTRAVIOLET
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Sanidyne®

ULTRAVIOLET PORTABLE AREA SANITIZER

SANITAIRE®

ULTRAVIOLET ROOM AIR SANITIZER

Hygeaire®

ULTRAVIOLET INDIRECT AIR DISINFECTION

Sani-Ray®

GERMICIDAL ULTRAVIOLET FIXTURES

SaniLIGHT®

GERMICIDAL ULTRAVIOLET IRRADIATORS

Product Overview

- Constructed of corrosion-resistant Stainless Steel
- Irradiates air and exposed surfaces with ultraviolet rays
- For use in **unoccupied** rooms
- Portable, compact and lightweight
- Rooms as large as 3,500 sq. ft. can be treated with one fixture
- 24-Hour Interval Timer, allows treatment time to be customized to room size



Sample of Applications

- Hospitals, Laboratories, Clean Rooms, and Operating Rooms
- ICU's, Burn Centers, Doctors Offices and TB Clinics
- Homeless Shelters and Methadone Clinics
- Detention Centers, Kennels and Dairy Plants
- Contact the factory for assistance in choosing the appropriate unit for your application.

Product Overview

- Constructed of corrosion-resistant Stainless Steel
- Destroys harmful bacteria, mold and viruses in the air
- For use in **occupied** areas
- Variety of mounting configurations available
- A sight glass assembly allows for visual inspection of the lamps
- Interior surface is polished maximizing ultraviolet intensity within the chamber
- Continuous disinfection without special attention
- Several styles available to handle various applications



Sample of Applications

- Homes, Offices, Food Processing and Pharmaceutical Manufacturing
- Dairy Plants, Bakeries and Methadone Clinics
- Clean Rooms, Homeless Shelters, Prisons and Jails
- Auditoriums, Conference Rooms, Waiting Rooms and Gymnasiums
- Contact the factory for assistance in choosing the appropriate unit for your application.

Product Overview

- Constructed of corrosion-resistant Stainless Steel and Aluminum
- Irradiates air flow within ultraviolet field in upper portion of room
- Disinfects air in seconds, reducing the risk of cross infection and exposure of occupants to infectious airborne microbes
- For use in **occupied** areas
- Requires very little power to operate
- Two styles available to handle different room configurations



Sample of Applications

- Hospitals, Laboratories, Clean rooms and Operating Rooms
- ICU's, Burn Centers, Doctors Offices and Homeless Shelters
- Methadone Clinics, TB Clinics and Detention Centers
- Kennels, Dairy plants, Day Care Centers, Schools and Offices
- Contact the factory for assistance in choosing the appropriate unit for your application.

Product Overview

- Constructed of corrosion-resistant Stainless Steel
- Irradiates air and exposed surfaces with ultraviolet rays
- For use in **unoccupied** areas
- Variety of mounting configurations available
- Very effective due to the long, unobstructed path of rays
- Continuous disinfection without special attention
- Numerous models available to handle various applications



Sample of Applications

- Laboratories, Hospitals, Clinics and Maternity Areas
- Operating Rooms, Universities, Veterinary Clinics and Animal Husbandry
- Electronic Production, Cosmetic Production and Conveyor Belt Systems
- Contact the factory for assistance in choosing the appropriate unit for your application.

Product Overview

- Constructed of corrosion-resistant Stainless Steel
- Irradiates air and exposed surfaces with ultraviolet rays
- For ceiling or wall mount in **unoccupied** areas
- Very effective due to the long, unobstructed path of rays
- Continuous disinfection without special attention
- Numerous models available to handle various applications



Sample of Applications

- Laboratories, Hospitals, Clean Rooms and Operating Rooms
- Nursing Homes, Universities and Veterinary Clinics
- Refrigerators, Meat Locker Plants and Freezers
- Cold Storage and Processing Facilities
- Contact the factory for assistance in choosing the appropriate unit for your application.