

# AeroLogic®

AIR DUCT DISINFECTION



## GERMICIDAL ULTRAVIOLET

Since 1963, Atlantic Ultraviolet Corporation has pioneered the discovery and development of the beneficial uses of ultraviolet energy. Ultraviolet is a unique and rapid method of air and surface disinfection utilizing germicidal ultraviolet lamps that produce short-wave radiation that is lethal to bacteria, virus and other microorganisms.

## USES & APPLICATIONS

**AeroLogic®** Air Duct Disinfection Systems utilize germicidal lamps to protect personnel from potentially harmful airborne contaminants by effectively destroying airborne microbes including bacteria and virus in new or existing duct systems. Desired bacteria kill rates of 90% for the average commercial installation or 98% kill rates (essential for hospitals and pharmaceutical laboratories) can be achieved using these type fixtures. Units are constructed of tough, corrosion-resistant Stainless Steel to ensure long life.



Model AD30-2  
(2 Lamp Unit)

## ADVANTAGES

### **Economical**

System requires very little power to operate.

### **Safe**

No risk of over-exposure.

### **Fast**

Disinfects both air and exposed surfaces in seconds.

### **Easy**

Simple installation and maintenance.

### **Automatic**

Continuous disinfection without special attention.

### **Durable**

Polished Stainless Steel

### **Versatile**

Numerous units available to handle various duct sizes and configurations.

### **Low Maintenance**

Annual lamp replacement and periodic cleaning is all that is required.

[www.ultraviolet.com](http://www.ultraviolet.com)

## SPECIAL FEATURES

### STER-L-RAY™

#### Ultraviolet Germicidal Lamps

Slimline, instant start lamps utilize tungsten filaments. Lamp life is governed by the life of the filaments and is affected by the frequency of starting.

STER-L-RAY™ lamps are well suited for a variety of air and water purification applications, which require high ultraviolet intensity.

#### Lamp Operation Indicator

Provides positive indication of each germicidal lamp's operation.

## OPTIONAL ACCESSORIES

#### ArmorLite™ Safety Shield

Protective coating applied to

STER-L-RAY™ Germicidal Lamps insures protection for employees, products and work environments by eliminating the dangers associated with fragments of broken quartz and mercury contamination.

or

#### Crystal Clear™ Quartz Sleeve:

Specially designed quartz sleeve to protect and insulate the germicidal ultraviolet lamp. The quartz sleeve protects the ultraviolet lamp from deposits of dirt and/or dust while insulating it from low air temperatures and the cooling affects of high air velocities in the air duct, insuring optimum ultraviolet output

#### Observation Port Sight Glass Assembly - Additional

A Sight Glass Assembly allows for visual inspection of the lamps, without the need to remove the unit from the duct. Available in 1 and 2 inch diameters.

#### Zenith™ Ultraviolet Meter

A sensitive, hand-held, ultraviolet meter that can be used to:

- Survey installations to ensure that the germicidal ultraviolet radiant exposure, of personnel within the treated area, is within acceptable limits. The Zenith™ Ultraviolet Meter provides accurate and easy-to-read levels of intensity that may be interpreted by anyone - not just engineers.
- Check the intensity of aging ultraviolet lamps

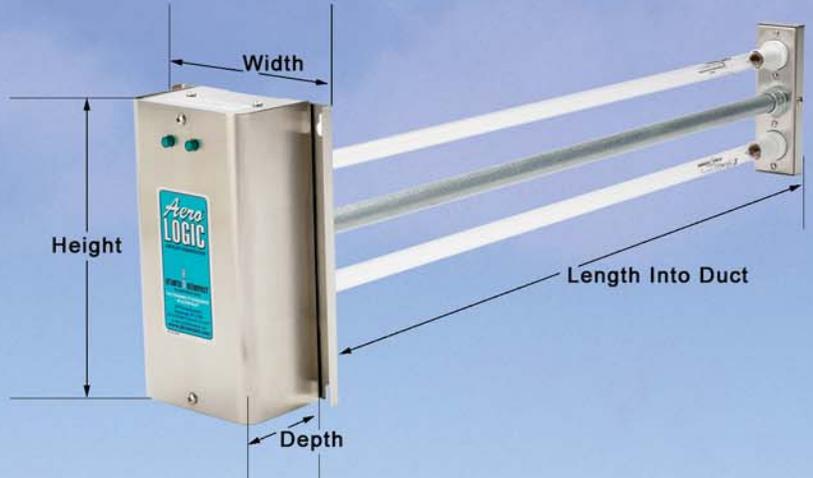
#### Steadfast™ Lamp Holders

Slimline base, single pin, lampholder set (includes one stationary end and one spring end) holds lamp securely while providing convenient, "quick and easy" lamp change.

#### SureLite™ Ballasts

State-of-the-art electronic ballast specifically developed for the operation of ultraviolet lamps. These versatile, instant start ballasts provide higher lamp output; are smaller, lighter, more efficient and operate cooler than magnetic ballasts.

## SPECIFICATIONS FOR STANDARD MODELS



Model	Lamp ①	Total Ultraviolet Output ②	Lamp Extension (Into Duct)	Exterior Housing Dimensions		
				Height	Width ③	Depth
AD-12-1	05-1500-R	3.1 Watts	10 ¾"	8"	5-19/32"	2-7/8"
AD-18-1	05-1340-R	5.8 Watts	16 ¾"	8"	5-19/32"	2-7/8"
AD-24-1	05-1348-R	8.5 Watts	22 ¾"	8"	5-19/32"	2-7/8"
AD-30-1	05-1352-R	11.2 Watts	28 ¾"	8"	5-19/32"	2-7/8"
AD-36-1	05-1343-R	15 Watts	34 ¾"	8"	5-19/32"	2-7/8"
AD-48-1	05-1334-R	21 Watts	46 ¾"	8"	5-19/32"	2-7/8"
AD-12-2	05-1500-R	6.2 Watts	10 ¾"	8"	5-19/32"	2-7/8"
AD-18-2	05-1340-R	11.6 Watts	16 ¾"	8"	5-19/32"	2-7/8"
AD-24-2	05-1348-R	17.0 Watts	22 ¾"	8"	5-19/32"	2-7/8"
AD-30-2	05-1352-R	22.4 Watts	28 ¾"	8"	5-19/32"	2-7/8"
AD-36-2	05-1343-R	30 Watts	34 ¾"	8"	5-19/32"	2-7/8"
AD-48-2	05-1334-R	42 Watts	46 ¾"	8"	5-19/32"	2-7/8"

① Rated average lamp life is 10,000 hours.

② Ultraviolet Output at 254 nanometers at 100 hours and 80 degrees F (approximate).

③ Including flange

- 120 Volts 50/60 Hz and 230 Volts 50/60 Hz units are standard - specify when ordering
- Consult factory with other specific power requirements
- Models with other lamp quantities and configurations available - Consult factory with specific requirements

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Atlantic Ultraviolet lamps and equipment are manufactured in the USA.

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.

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