

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.

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 or measurements.

Versatile

Numerous units available to handle various duct sizes and configurations.

Low Maintenance

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



GERMICIDAL LAMP DATA

Model No.	Lamp No.	Lamp Length	Lamp & Holder Length	Power Consumption ^①	Ultraviolet Output ^②	Rated Average Lamp Life
AD24-4	05-1348	21-7/8" (556 mm)	24"	25 Watts	8.5 Watts	10,000 Hours
AD30-4	05-1352	27-7/8" (708 mm)	30"	32 Watts	11.2 Watts	10,000 Hours
AD36-4	05-1343	33-7/8" (860 mm)	36"	39 Watts	13.8 Watts	10,000 Hours
AD48-4	05-1334	45-7/8" (1165 mm)	48"	50 Watts	19.3 Watts	10,000 Hours
AD64-4	05-1338A	61-7/8" (1572 mm)	64"	65 Watts	25.0 Watts	10,000 Hours

① Wattage is lamp watts only and does not include ballast loss.

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

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.

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SPECIAL FEATURES

Steadfast™

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

SureLite™

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.

OPTIONAL ACCESSORIES

ArmorLite™ Safety Shield

Protective coating applied to **STER-L-RAY™** Lamps

Insures protection for employees, products and work environments by eliminating the dangers associated with fragments of broken quartz and mercury contamination.

SENTINEL™ Remote Lamp Indicator

Monitors lamp operation of 1, 2 or 4 lamp ultraviolet fixtures, and can be mounted up to 25-feet from the fixture. Additional 25-foot extension cables are available.

Observation Port Sight Glass Assembly

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

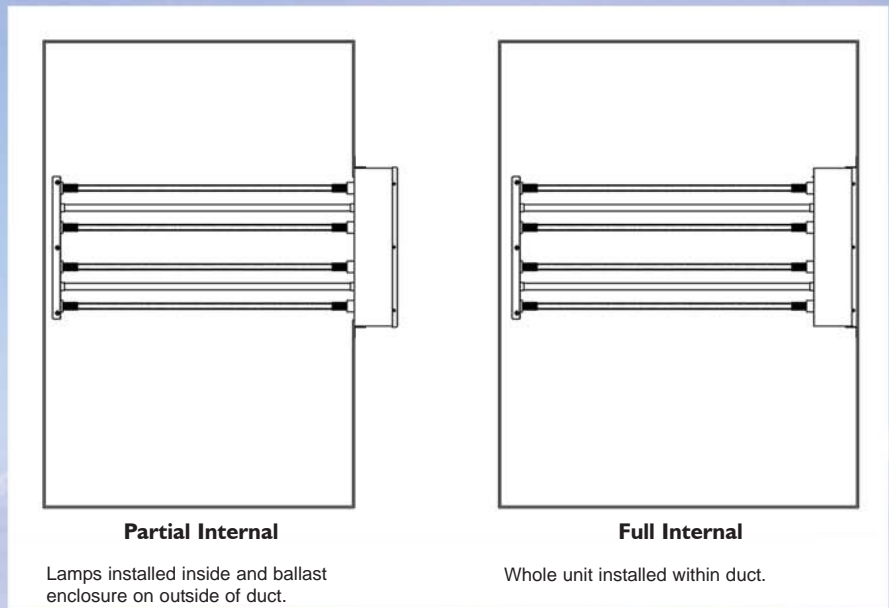
A sensitive, hand-held, ultraviolet meter; used to check the intensity of aging ultraviolet lamps and survey rooms utilizing an ultraviolet air sanitizer to ensure that the ultraviolet radiant exposure of personnel within the treated area is within acceptable limits.

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.

MOUNTING SPECIFICATIONS

The **AeroLogic®** Air Duct Disinfection units mount with universal mounting brackets. The (2) most common positions are shown below (units are perpendicular to air flow). Many other mounting positions can be achieved using the mounting brackets that are supplied with each unit.



Model	Depth (Inside Duct)		Dimensions (Housing)		
	Partial Internal	Full Internal	Length	Width	Height
AD24-4	22-3/4"	26-13/16"	17-1/4"	7-3/8"	4-3/16"
AD30-4	28-3/4"	32-13/16"	17-1/4"	7-3/8"	4-3/16"
AD36-4	34-3/4"	38-13/16"	17-1/4"	7-3/8"	4-3/16"
AD48-4	46-3/4"	50-13/16"	17-1/4"	7-3/8"	4-3/16"
AD64-4	62-3/4"	66-13/16"	17-1/4"	7-3/8"	4-3/16"

- 120 Volts 60 Hz and 220 Volts 50 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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