

AeroLogic™

AIR DUCT DISINFECTION



ABOUT US

Atlantic Ultraviolet Corporation has been a manufacturer of quality ultraviolet products since 1963.

Since concentrating our efforts, over the past 40+ years, on the development of air purification and disinfection systems for the commercial and industrial markets, we now bring that same experience to the residential HVAC market with the development of a special line of the **AeroLogic™** Air Duct Disinfection systems.

USES & APPLICATIONS

The versatility of the **AeroLogic™** Air Duct Disinfection system allows it to be installed in either the return air plenum (where air temperatures are usually warmer) or the supply air plenum (where air speeds are lower). The **AeroLogic™** should be installed in the middle of long, straight sections of duct, to maximize the ultraviolet exposure time.

Ultraviolet disinfection is a unique and rapid method of air and surface disinfection, utilizing germicidal ultraviolet lamps to produce short wave ultraviolet energy that is lethal to bacteria, virus and other microorganisms. By utilizing the **AeroLogic™** Air Duct Disinfection system in your home's HVAC system, you will be reducing and/or eliminating the growth of bacteria, mold, etc. and the spread of cold and flu viruses as well as other air-borne transmitted diseases.

SPECIFICATIONS FOR STANDARD MODELS

Model	Lamp	Total Ultraviolet Output	Rated Average Lamp Life	Dimensions		
				Depth ① (Into Duct)	Maximum Length	Diameter
AD436/P ②	05-1370	6.4 UV Watts	10,000 Hours	17 3/8"	24"	4 7/8"
AD436/D ③	05-1370	6.4 UV Watts	10,000 Hours	17 3/8"	24"	4 7/8"

① Ultraviolet Output at 254 nanometers at 100 hours and 80 degrees F (approximate).

② This model has line cord permanently attached to the unit.

③ This model has a removable line cord on the unit.

- 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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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.

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

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.

ADVANTAGES

Aluminum Construction:

Essential housing components, of the **AeroLogic™**, are constructed from a lightweight aluminum alloy with a hard coat, black anodized finish. The hard coat anodize offers an increased surface hardness, for durability, and corrosion resistance similar to that of stainless steel.

Surelite™ Electronic Ballasts:

Specifically designed to operate germicidal ultraviolet lamps, Surelite ballasts are smaller, lighter more efficient (offering higher ultraviolet output) operate cooler and quieter than magnetic ballasts.

STER-L-RAY™ Germicidal Ultraviolet Lamps:

Provide the utmost in quality, sustained output and durability. Approximately 95% of the ultraviolet energy is emitted at the mercury resonance line of 254 nanometers. This wavelength is in the region of maximum germicidal effectiveness and is highly lethal to virus, bacteria, mold spores, etc.

Crystal Clear™ Quartz Sleeve:

A unique new feature of the **AeroLogic™** is the use of a 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.

Power Supply Cords:

Multiple power supply connections are available with the **NEW AeroLogic™**. Power supply cords can be wired directly to the **AeroLogic™**, and with the use of a liquid-tight cord grip form a "drip-proof" assembly (for more demanding applications). The **AeroLogic™** can also be equipped with a power inlet connector allowing the use of detachable power supply cords.

GERMICIDAL LAMP DATA

Lamp No.	Model No.	(base to base) Lamp Length	Power Consumption ^①	Ultraviolet Output ^②	Rated Average Lamp Life
05-1370	AD436/P	17 3/16	.34 Amps	6.4	10,000 Hours
05-1370	AD436/D	17 3/16	.34 Amps	6.4	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).

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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.