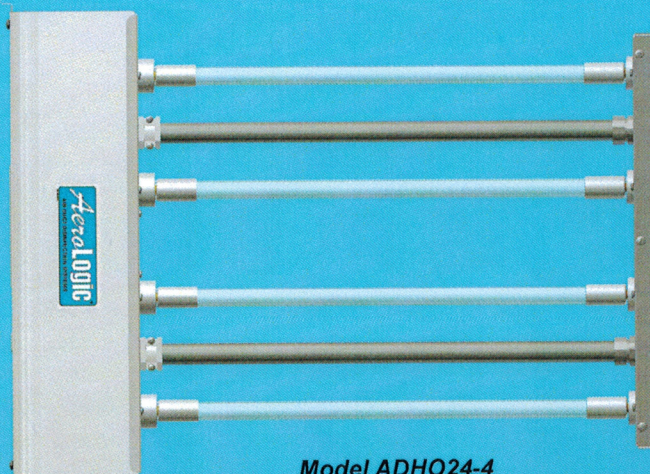


AeraLogic®

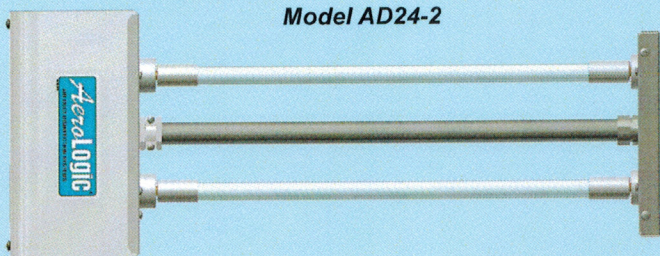
AIR DUCT DISINFECTION SYSTEMS




Model AERO-24



Model ADHO24-4



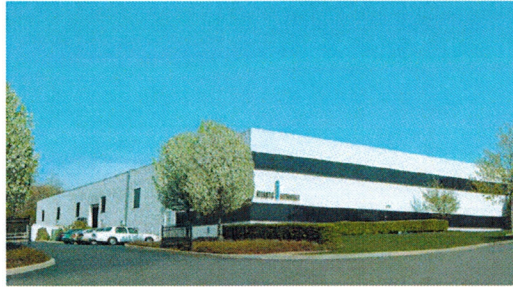
Model AD24-2

SINCE 1963
ATLANTIC  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.

The UV Application Specialists at Atlantic Ultraviolet Corporation® 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 Corporation® to fulfill its commitment to provide fast deliveries and responsive customer service.



GERMICIDAL ULTRAVIOLET

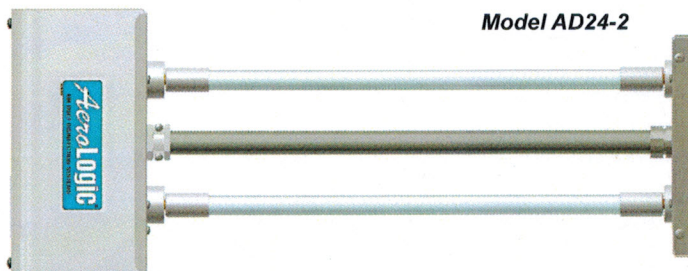
Ultraviolet is a unique and rapid method of disinfection. It utilizes germicidal ultraviolet lamps producing short-wave radiation at 254 nanometers (nm)—a wavelength highly lethal to bacteria, virus, and other microorganisms.

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.



Model AERO-24



Model AD24-2



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 and/or Aluminum.

Versatile

Numerous models available to handle various duct sizes and configurations.

Low Maintenance

Requires only annual lamp replacement and periodic cleaning.

PRINCIPLE OF OPERATION

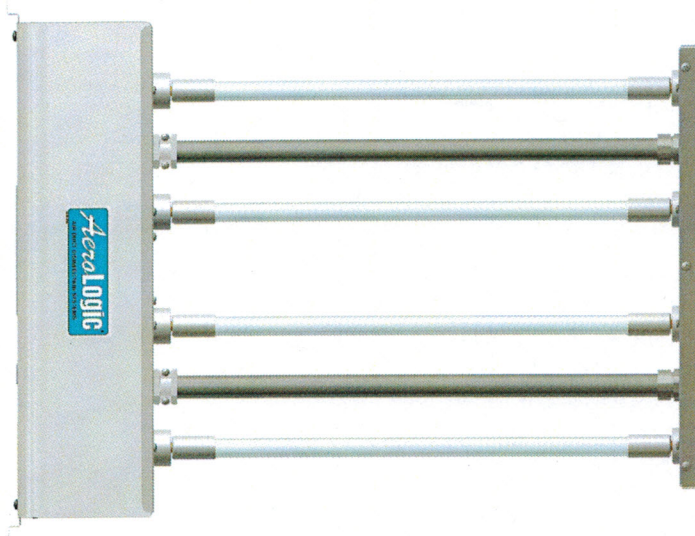
AeroLogic® is primarily used for installation in new and existing HVAC (Heating, Ventilating & Air Conditioning) systems. The air that passes over the installed **AeroLogic®** is subjected to the rays from the germicidal ultraviolet lamp (or lamps). These germicidal rays destroy airborne microbes including bacteria, mold, and virus.

The **AeroLogic®** Air Duct installation presents centralized and non-intrusive applications that are useful on their own or in conjunction with additional air circulation and filtration technologies. When used together, these systems provide high level protection solutions.

The **AeroLogic®** design has been carefully conceived to provide adequate germicidal dosage for air stream or surface disinfection. The dosage, as it applies to ultraviolet disinfection, is a function of time, and the intensity, of ultraviolet radiation, to which the air stream or surface is exposed.

Our UV Application Specialists would be happy to perform the necessary calculations to ensure the model we provide is appropriate for your particular application.

Model ADHO24-4



AeroLogic® One Lamp Air Duct Model

Utilize the **AeroLogic® One Lamp Air Duct Disinfection System** in an HVAC system for reduction and/or elimination of the growth of bacteria, mold and spores, and to help control the spread of airborne cold, flu virus, and other airborne transmitted diseases.

The following information is required to size an ultraviolet system for duct air treatment:

- Duct or plenum size
- Length of compartment or duct where **AeroLogic®** is to be installed
- Air speed typically provided in cfm (cubic feet per minute)
- Approximate air temperature

With this information, an Ultraviolet Application Specialist can calculate the approximate contact time and lamp output required under these conditions and recommend the **AeroLogic®** model needed.

STER-L-RAY®

Germicidal Ultraviolet Lamp

Lamp is instant starting and provides the utmost in quality, sustained output and longevity.
(See page 11 for more information.)

Construction

Designed for use in residential applications, the **AeroLogic® One Lamp Air Duct Model** is constructed of lightweight, anodized aluminum alloy. The anodized aluminum alloy offers an increased surface hardness, for durability, and corrosion resistance similar to that of stainless steel. This rugged construction along with a water-resistant power cord, rated for indoor/outdoor use, and liquid-tight cord grip all work to form a "drip-proof" assembly.

Surelite™ Ballast

State-of-the-art electronic ballast specifically developed for the operation of ultraviolet lamps. Versatile ballast provides high lamp output; is lightweight, efficient, and operates cool for longer life.

CRYSTAL CLEAR™ Quartz Sleeve

A unique feature of the **AeroLogic® One Lamp Air Duct Model** 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, ensuring optimum ultraviolet output.

Steadfast™ Bayonet Socket Mount Lampholder

Bayonet Socket Mount four-pin lampholder fastens the lamp securely while providing convenient, "quick and easy", lamp change.

Promate™ Observation Port/ Sight Glass Assembly and Mounting Hardware

- (included)
A Sight Glass Assembly allows for visual inspection of the lamp, without the need to remove the **AeroLogic®** from the duct (see page 5).

Mounting Hardware and Gasket

- (included)

Model AERO-24

(see page 10 for Optional Accessories)

