

AeroLogic®

AIR DUCT DISINFECTION



Atlantic Ultraviolet Corporation has been manufacturing quality ultraviolet disinfection products since 1963. 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.

Having concentrated our efforts over the past 46+ 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 system.

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. helping to control the spread of cold and flu viruses as well as other airborne transmitted diseases.

The rugged design and versatility of the **AeroLogic®** Air Duct Disinfection system allows it to be installed in:

- New or existing duct systems.
- Return air plenums (where air temperatures are usually warmer) or supply air plenums (where air speeds are lower).

In order to maximize ultraviolet exposure, the **AeroLogic®** should be located in the middle of a long, straight section of duct with its germicidal ultraviolet lamp perpendicular to the airflow.

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SPECIFICATIONS FOR STANDARD MODELS

Model	Lamp	Current (A)		Dimensions *	
		120v	220v	Length (Into Duct)	Overall Length
AERO-12	05-1366-R	.16A	.16A	10 ⁷ / ₆₄ "	17 ²⁵ / ₆₄ "
AERO-14	05-0218-R	.21A	.17A	14"	21 ⁹ / ₃₂ "
AERO-16	05-1370-R	.22A	.19A	15 ³¹ / ₃₂ "	23 ¹ / ₄ "
AERO-18	05-1523-R	.23A	.20A	17 ¹ / ₃₂ "	24 ⁵ / ₁₆ "
AERO-20	05-0117-R	.25A	.23A	20"	27 ⁹ / ₃₂ "
AERO-24	05-0097A-R	.27A	.26A	23 ⁷ / ₃₂ "	30 ¹ / ₂ "
AERO-26	05-0219-R	.30A	.29A	26"	33 ⁹ / ₃₂ "
AERO-32	05-1382-R	.32A	.36A	32"	39 ⁹ / ₃₂ "
AERO-44	05-0197-R	.50A	.96A	44"	51 ⁹ / ₃₂ "

- * Maximum Diameter for all units is 4"
- Consult factory with other specific power requirements

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OPTIONAL ACCESSORIES

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



STER-L-RAY™

Ultraviolet Germicidal Lamps

Utilize tungsten filaments. Lamp life is governed by the life of the filaments and is affected by the frequency of starting. Rated average lamp life is 10,000 hours.

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

FEATURES

Construction:

Designed for use in demanding applications; key components of the **AeroLogic®** are constructed of lightweight, anodized aluminum alloy. The hard coat anodize 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™ 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.

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.

GERMICIDAL LAMP DATA

Lamp No.	Model No.	Lamp Power	Ultraviolet Output ^①
05-1119-R	AERO-8	10 Watts	2.3 Watts
05-1366-R	AERO-12	14 Watts	3.7 Watts
05-0218-R	AERO-14	17 Watts	5.8 Watts
05-1370-R	AERO-16	21 Watts	6.4 Watts
05-1523-R	AERO-18	22 Watts	6.9 Watts
05-0117-R	AERO-20	25 Watts	8.5 Watts
05-0097A-R	AERO-24	29 Watts	9.7 Watts
05-0219-R	AERO-26	32 Watts	11.2 Watts
05-1382-R	AERO-32	39 Watts	13.8 Watts
05-0197-R	AERO-44	50 Watts	19.3 Watts

① 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.