

AeraLogic®

GERMICIDAL ULTRAVIOLET AIR DUCT DISINFECTION SYSTEMS

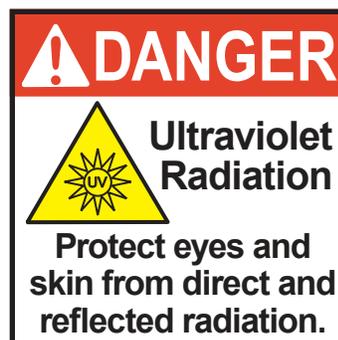
Models AERO-8, AERO-12, AERO-14, AERO-16, AERO-18,
AERO-20, AERO-24, AERO-26, AERO-32 & AERO-44



NOTE: When printing this manual,
make sure mounting template
pages are printed at 100%.

Installation, Operation & Maintenance

Read and Follow All
Safety Instructions.
Save These Instructions.



**ATLANTIC ULTRAVIOLET
CORPORATION®** SINCE 1963

Manufacturers / Engineers / Sales / Service
Germicidal Ultraviolet – Equipment & Lamps

375 Marcus Boulevard, Hauppauge, NY 11788
(631) 273-0500 • Fax: (631) 273-0771
Email: Sales@AtlanticUV.com

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Owner's Manual

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These instructions generally describe the installation, operation and maintenance of the **AeroLogic®** Germicidal Ultraviolet Fixtures. Questions that are not specifically answerable by these instructions should be directed to the factory. Atlantic Ultraviolet Corporation® takes all possible precautions when packaging equipment to prevent damage. Carefully inspect and report all damages. Do not install damaged equipment. Follow all instructions on any labels or tags. Carefully inspect all packing materials before discarding to prevent the loss of accessories, mounting hardware, spare parts or instructions.

The information and recommendations contained in this publication are based upon data collected by the Atlantic Ultraviolet Corporation® and are believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. Specifications and information are subject to change without notice.



SAFETY WARNINGS

- All personnel should be alerted to the potential hazards indicated by the product safety labeling on this unit.
- The following conventions are used to indicate and classify precautions in this manual and on product safety labeling. Failure to observe precautions could result in injury to people or damage to property.

 This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

 **DANGER** Danger indicates an **IMMINENTLY** hazardous situation, which, if not avoided, **WILL** result in death or serious injury.

 **WARNING** Warning indicates a **POTENTIALLY** hazardous situation, which, if not avoided, **COULD** result in death or serious injury.

 **CAUTION** Caution indicates a **POTENTIALLY** hazardous situation, which, if not avoided, **MAY** result in minor or moderate injury.

 **CAUTION** Caution used without the safety alert symbol indicates a potentially hazardous situation, which, if not avoided, may result in property damage.

 This symbol/pictorial is used to identify an **ELECTRICAL SHOCK** or **ELECTROCUTION** hazard.

 This symbol/pictorial is used to identify an **ULTRAVIOLET LIGHT** hazard.

 This symbol/pictorial is used to identify the need to wear approved ultraviolet blocking eyewear.

 This symbol/pictorial is used to identify the need to wear approved ultraviolet blocking face shield.

 This symbol/pictorial is used to identify the need to wear protective gloves.

 This symbol/pictorial is used to identify components which must not be disposed of in trash

SAFETY INSTRUCTIONS

 **WARNING** To guard against injury, basic safety precautions should be observed, including the following:

1. Read and follow **ALL** safety instructions.

   **WARNING** Avoid exposure to direct or reflected germicidal ultraviolet rays. Germicidal ultraviolet rays are harmful to the eyes and skin.

2. Intended for indoor use only.
3. Do not alter design or construction.
4. Do not use this fixture for other than its intended purpose, as described in this manual.
5. Do not mount under any source of moisture or condensation, such as humidifiers, cooling coils, etc.
6. Do not remove any labels or devices.
7.  **CAUTION** Germicidal ultraviolet rays may break down plastic, rubber or other non-metallic materials, with inadequate resistance to ultraviolet. Shield all plastic, rubber or other non-metallic parts such as; plastic drain pans, wire insulation, flex ducts, humidifiers, filters, etc. which may be exposed to direct or reflected germicidal ultraviolet rays.
8.   **WARNING** Do not operate without proper electrical ground.
9. Do not operate the unit if there is visible or suspected damage to the unit or, if applicable, there is damage to power cord and/or plug.
10. Utility power supplied, to the fixture, **MUST** match power requirements listed on the fixture label.
11.   **WARNING** Always disconnect power to the unit before performing any service or maintenance.
12. Ultraviolet light must be contained within duct and visible only through supplied sight glass assembly.
13. Read and follow all notices and warnings on the unit.
14. **SAVE THESE INSTRUCTIONS.**

CAUTION

It is the user's responsibility to determine and validate the suitability of this equipment for use in the user's system or process. No warranty or representation is made by the manufacturer with respect to suitability or performance of this equipment or to the results that may be expected from its use. The user should periodically inspect, clean as necessary and confirm the presence and good legibility of the product safety labels. Contact the factory for replacement labels in the event that any of the labels are missing or illegible.

SAFETY LABELS

Hg - Lamp Contains Mercury (70-0011)



Danger Label: Hazardous Voltage and Ultraviolet Radiation (70-0036)



Location of Safety Labels

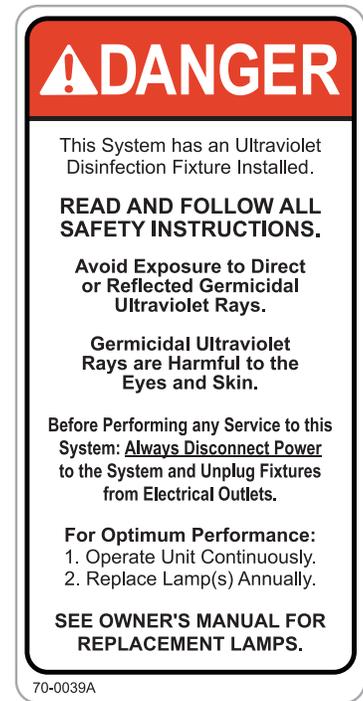


8.5" x 11" Access Panel Danger Label (70-0077 – 1 Supplied)



Access Panel Danger Sign PDF Download (98-1824 – 2 Pages, with English and Spanish) available at: ultraviolet.com/ultraviolet-air-pdf-library

2" x 4" Duct Danger Label (70-0039A – 2 Supplied)



PRODUCT APPLICATION

CONSTRUCTION

The **AeroLogic**[®] Air Duct Disinfection Unit consists of:

- **CRYSTAL CLEAR**[™] 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.
- **STER-L-RAY**[®] Germicidal Ultraviolet Lamp, which delivers ultraviolet energy at the specific wavelength of 254 nanometers (nm), and effectively destroys airborne microbes including: virus, bacteria, and mold spores.
- Units use **Surelite**[™] Electronic Ballast (120v 50/60Hz or 220v 50/60Hz version available).
- All electronics and wiring are housed in an enclosure constructed of lightweight, anodized aluminum alloy. The anodize offers an increased surface hardness, for durability, and corrosion resistance similar to that of stainless steel.
- Water resistant power cord, rated for indoor/outdoor use (on 120v units)
- Liquid-tight cord grip form a “drip-proof” assembly.
- A separate **Promate**[™] Sight Glass Assembly provides a **safe** visual indication of germicidal lamp operation without the risk of ultraviolet exposure.

PRINCIPLE OF OPERATION

The **AeroLogic**[®] design has been carefully conceived to provide adequate germicidal ultraviolet dosage for air stream or surface disinfection in new or existing HVAC (Heating, Ventilating & Air Conditioning) Systems. 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. The exposure time, in seconds, is the total time it takes the air to move through the ultraviolet field, produced by the germicidal ultraviolet lamp. Exposure time is related to the airflow rate; the higher the airflow, the lower the exposure time or the lower the airflow, the higher the exposure time. The UV intensity is the amount of energy emitted by the germicidal ultraviolet lamp.

- Air moving in the HVAC System duct passes over the germicidal ultraviolet lamp of the **AeroLogic**[®] and is exposed to the ultraviolet rays emitted by the germicidal lamp.
- **Promate**[™] Sight Glass Assembly installed on the duct allows a **safe** visual indication of germicidal ultraviolet lamp operation.

LIMITATION OF USE

- The **AeroLogic**[®] requires professional installation so all wiring complies with applicable state, local and national electrical and mechanical codes.
- **AeroLogic**[®] requires knowledgeable planning for: location, installation, and supervision to prevent ultraviolet exposure of occupants.



⚠ CAUTION Overexposure to germicidal ultraviolet rays will result in the irritation of the eyes and reddening of the skin. For this reason, it is of the utmost importance that your ultraviolet application be carefully planned and implemented so as to avoid exposure, of personnel, to direct or reflected ultraviolet rays.

- The American Conference of Governmental Industrial Hygienists (ACGIH) has established a Threshold Limit Value (TLV) for occupational exposure to radiant ultraviolet energy.
- Currently the ultraviolet radiant exposure incident for unprotected eyes or skin should not exceed 0.2 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$) at 254 nanometers (nm) for an eight (8) hour period.
- Safety and maintenance procedures **MUST** be implemented to prevent accidental exposure of personnel, who maintain the HVAC system. All work performed on the HVAC system must be monitored to ensure that it does not adversely impact the safety or effectiveness of the installation.

UNPACKING



IN ORDER TO PERFORM THIS TASK, BE SURE TO WEAR THE FOLLOWING SAFETY EQUIPMENT: SAFETY GLASSES OR A FACE SHIELD, AS WELL AS GLOVES.

- Remove the **AeroLogic**[®] Air Duct Disinfection Unit from its shipping carton.
- Atlantic Ultraviolet Corporation[®] takes all possible precautions when packaging this unit to prevent damage. Carefully inspect the unit, power cord and plug for damage and report all damage immediately. Do not assemble or operate if there is any damage, visible or suspected.
- **STER-L-RAY**[®] Germicidal Ultraviolet Lamps and **CRYSTAL CLEAR**[™] Quartz Sleeves are packed separately, to ensure maximum protection. Keep the lamp and sleeve aside until ready for installation.
- Carefully inspect all packing materials to prevent the loss of accessories, mounting hardware, spare parts, or instructions.
- Do not discard packing materials until unit is assembled and start up is complete.

AeroLogic[®] AERO Kit includes:

- 1 - AERO Unit with Attached Line Cord
- 1 - Duct Mounting Hub with Gasket
- 4 - No. 8-18 x 3/4" Self-Drilling Screws
- 1 - **STER-L-RAY**[®] Germicidal Ultraviolet Lamp
- 1 - **CRYSTAL CLEAR**[™] Quartz Sleeve, O-Ring and Teflon[®] Washer
- 1 - 1 inch **Promate**[™] Sight Glass Assembly with
4 - No. 8-18 x 3/8" Self-Drilling Screws
- 1 - Operating Instructions
- 2 - 2" x 4" Duct Danger Labels (70-0039A)
- 1 - 8.5" x 11" Access Panel Danger Label (70-0077)

INSTALLATION

UNIT PLACEMENT

Proper unit placement is essential. To ensure safe and effective operation, the location should:

- Have enough duct width to mount unit with lamp perpendicular to airflow, with the longest duct length for increased exposure time.
- Be on the supply air plenum, **LOCATION A** (preferred), or on the return air plenum, **LOCATION B** (alternate). See **Figure 1 – Unit Placement**.
- Be able to support the weight of the **AeroLogic®** unit. If the duct construction does not seem capable of supporting the unit, the duct must be reinforced, to support the weight, before installing.
- Have a properly grounded, electrical outlet within reach of the unit's power supply cord.
- Not be mounted under any source of moisture or condensation, such as humidifiers, cooling coils, etc.
- Not be mounted near any duct openings, joints, seams, etc. If necessary, seal all openings, joints, seams, etc. using aluminum tape or equivalent ultraviolet-resistant material.
- Prevent exposure of any plastic, rubber or other non-metallic materials, with inadequate resistance to ultraviolet, such as; plastic drain pans, wiring insulation, flex ducts, humidifiers, filters etc. If necessary, shield all plastic, rubber or other non-metallic parts using aluminum tape, conduit, sheet metal or equivalent ultraviolet resistant material.
- Be free of any components that would be damaged by or interfere with the installation.
- Be easily accessible for viewing lamp operation through the **Promate™** Sight Glass Assembly.
- Be easily accessible and allow enough clearance for routine cleaning or maintenance.
- Be downstream from air filters. Dust particles will reduce the effectiveness of the unit.

Figure 1 – Unit Placement

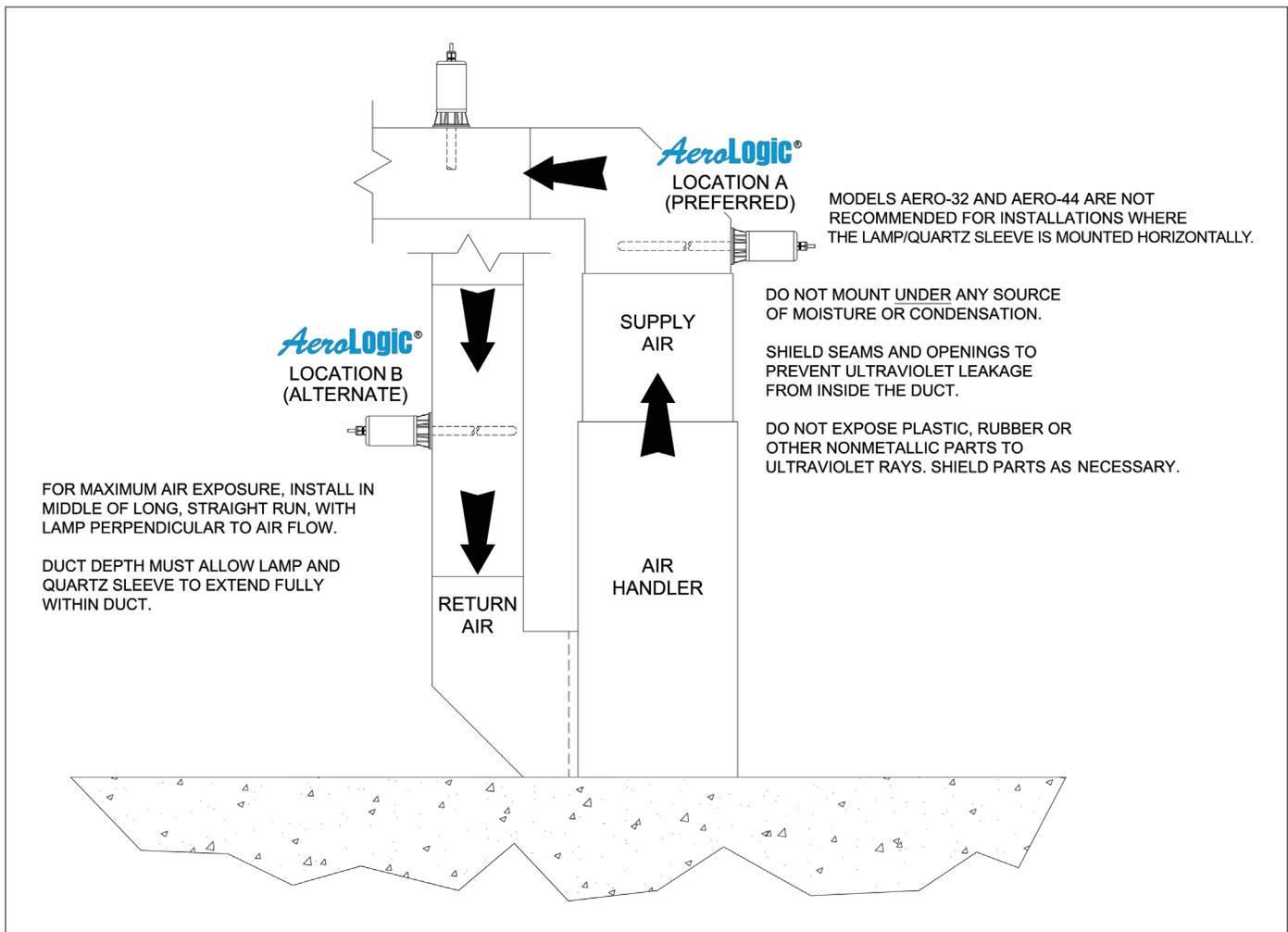
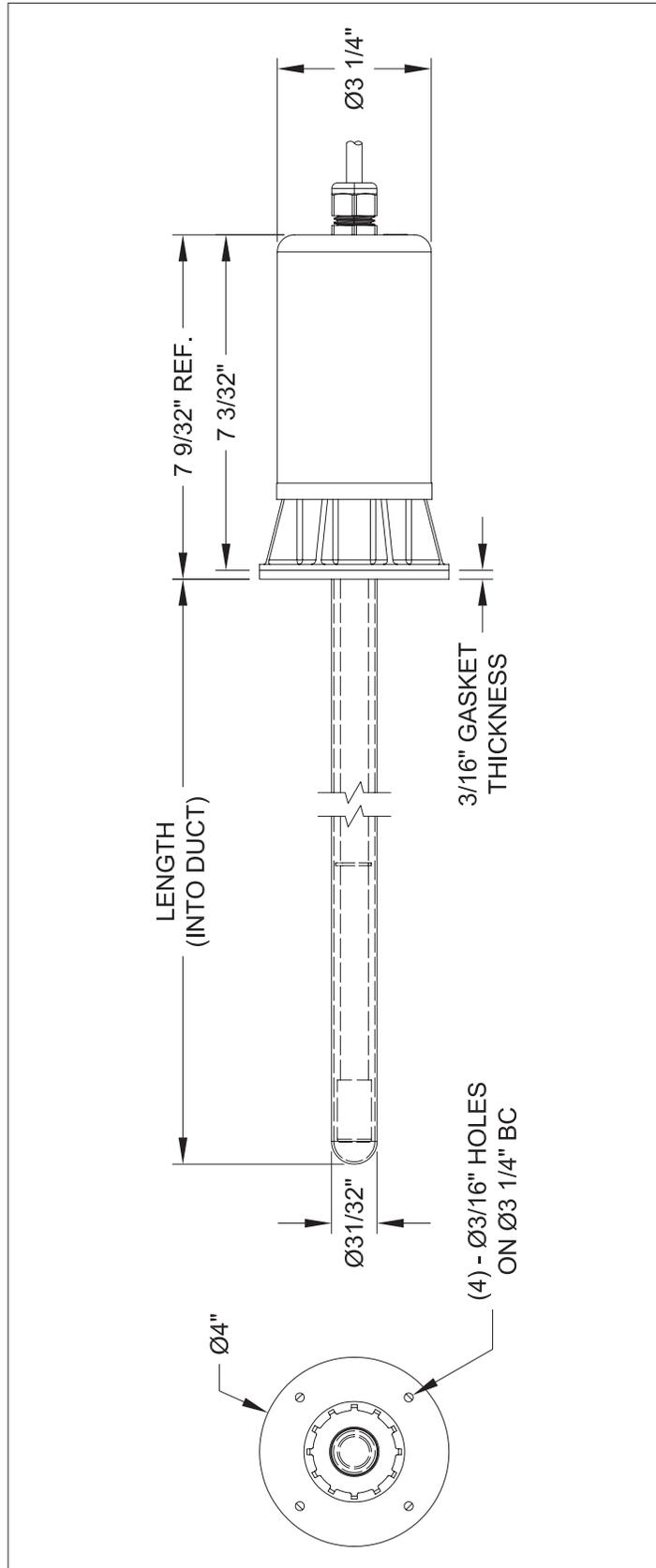
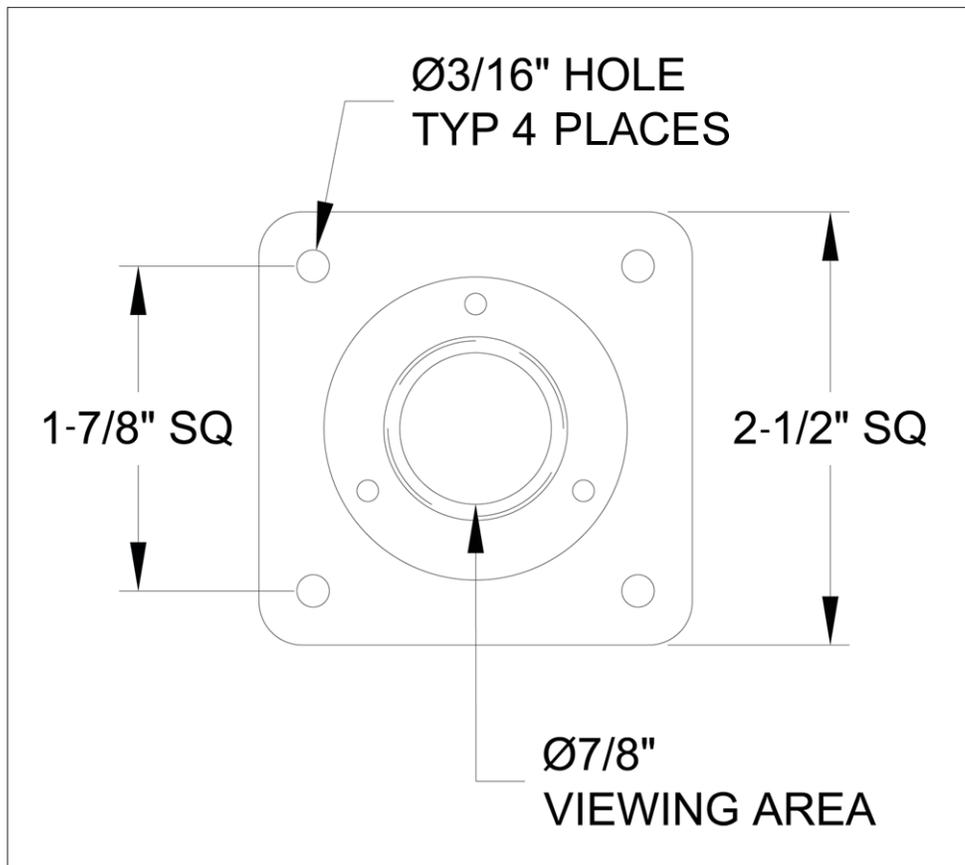


Figure 2 – Dimensional Data



All specifications, dimensional data, etc. are approximate and subject to change without notice

Figure 3 – Sight Glass Dimensional



All specifications, dimensional data, etc. are approximate and subject to change without notice.

SIGHT GLASS LOCATION & INSTALLATION



IN ORDER TO PERFORM THIS TASK, BE SURE TO WEAR THE FOLLOWING SAFETY EQUIPMENT: SAFETY GLASSES OR A FACE SHIELD, AS WELL AS GLOVES.

The **AeroLogic**[®] Air Duct Disinfection Unit comes standard with a 1-inch **Promate**[™] Sight Glass Assembly, which is installed separately. The ultraviolet blocking sight glass allows for a **safe** visual inspection of the lamp, without the need to remove the unit from the duct.

1. Select a suitable location near the **AeroLogic**[®] installation.
2. Using the Sight Glass Mounting Cutout (See **Figure 5** on **page 9**) mark the centers of the mounting holes and clearance hole for the sight glass.

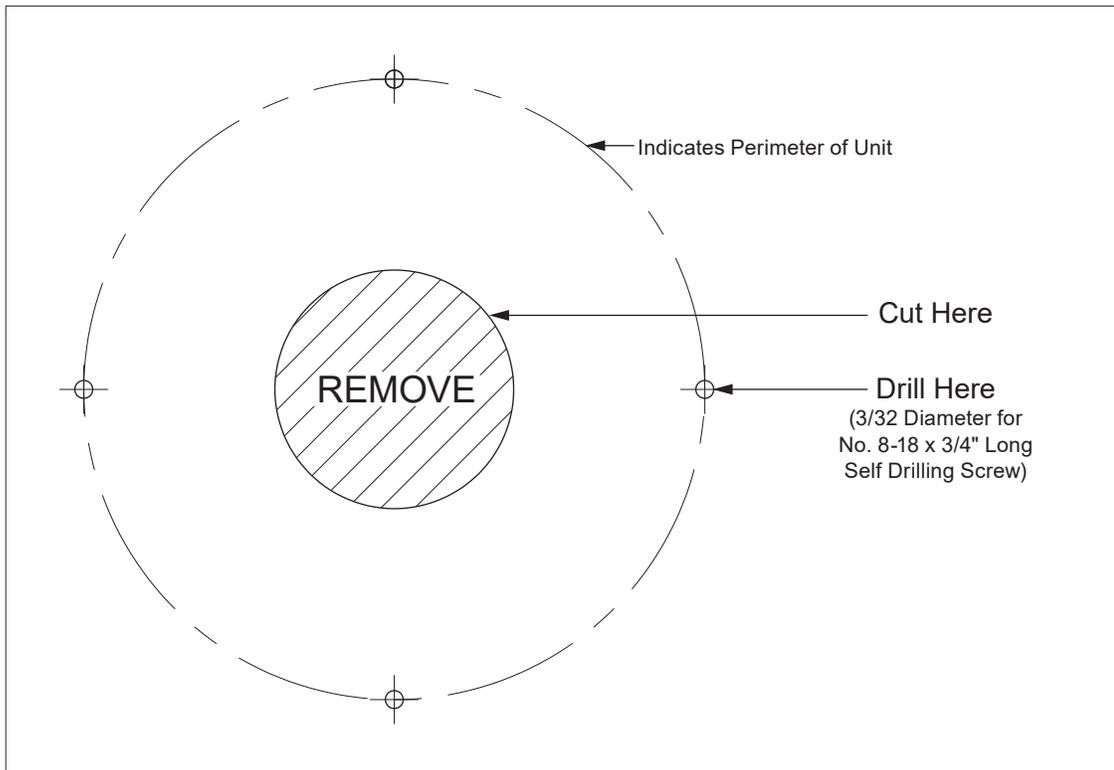


CAUTION Mechanical hazard. Duct sheet metal has sharp edges. Wear protective gloves when working on or around duct sheet metal.

3. Cut out the opening for the sight glass. Remove burrs and sharp edges where possible.
4. Using the supplied No. 8-18 x 3/8" long hardware, mount the sight glass assembly to the duct.

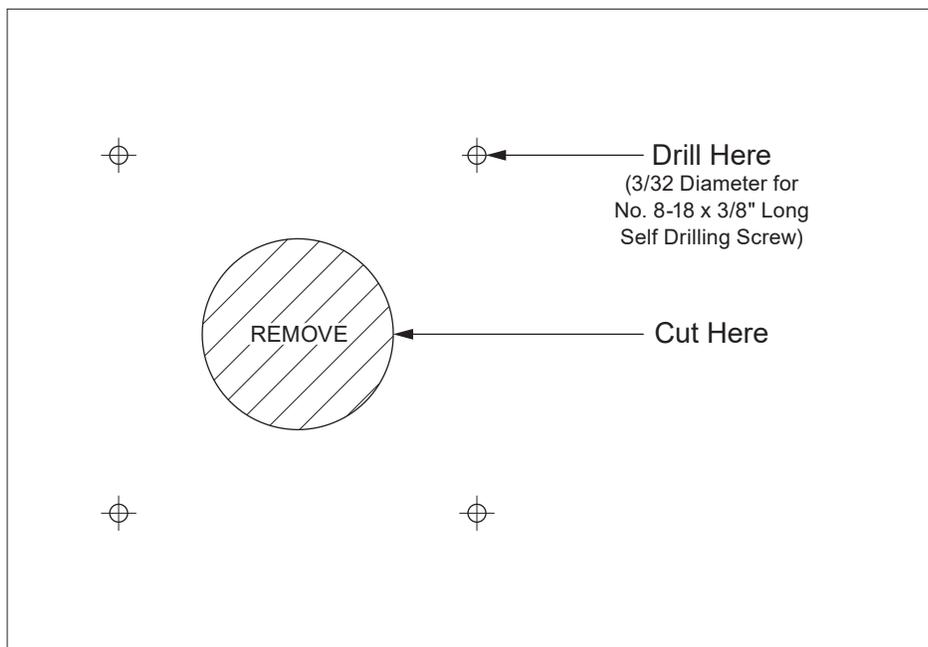
MOUNTING TEMPLATE

Figure 4 – AERO Mounting Template – Full Scale
NOTE: Make sure this template is printed at 100%.



All specifications, dimensional data, etc. are approximate and subject to change without notice.

Figure 5 – Sight Glass Mounting Template – Full Scale
NOTE: Make sure this template is printed at 100%.



All specifications, dimensional data, etc. are approximate and subject to change without notice.

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UNIT AND LAMP AND QUARTZ SLEEVE INSTALLATION, REPLACEMENT, OR CLEANING



IN ORDER TO PERFORM THIS TASK, BE SURE TO WEAR THE FOLLOWING SAFETY EQUIPMENT: SAFETY GLASSES OR A FACE SHIELD, AS WELL AS GLOVES.

⚠ WARNING Always disconnect power to the unit before performing any service or maintenance.

⚠ CAUTION Ultraviolet lamp(s) are easily damaged and may cause injury if broken. Exercise care when handling.

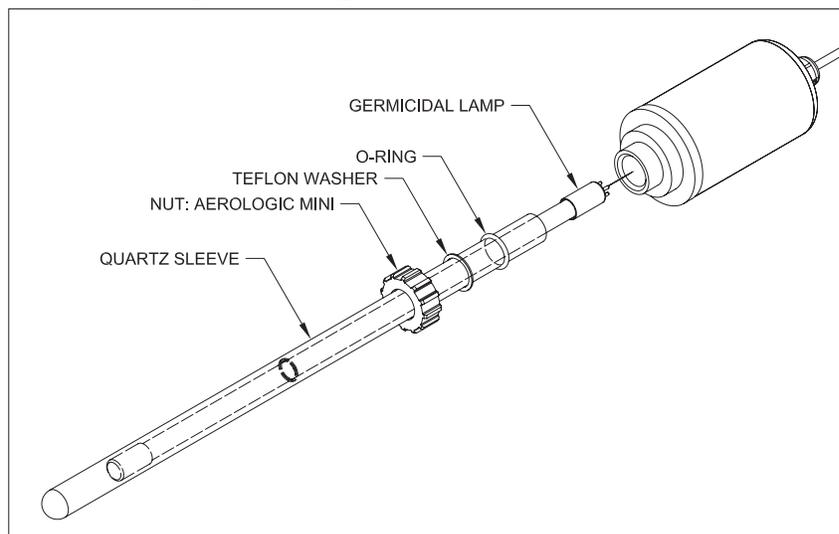
1. Disconnect power to the HVAC system.
2. Using mounting hub, mark the centers (locations) of the four (4) 3/32" pilot holes and the 1-1/4" center hole. Also see "Figure 4 - AERO Mounting Cutout" on page 9.



⚠ CAUTION Mechanical hazard. Duct sheet metal has sharp edges. Wear protective gloves when working on or around duct sheet metal.

3. Drill the appropriate holes as indicated on the mounting pattern. Remove burrs and sharp edges where possible.
4. Install the gasket and mounting hub to the duct using the supplied No. 8-18 x 3/4" mounting hardware.
5. **Install lamp.** The lamp socket is located inside the threaded end of the **AeroLogic®** base. To install, line up lamp pins with lamp socket. Carefully press lamp pins into the socket until lamp is seated against the socket.
6. Moisten a clean, lint-free cloth with denatured alcohol and wipe the lamp.

Figure 6 – Lamp & Quartz Sleeve Installation



7. **Install CRYSTAL CLEAR™ Quartz Sleeve.**
 - A. Place O-Ring approximately 3/4" to 1" from the open end of the quartz sleeve.
 - B. Carefully slide the quartz sleeve over the lamp, into the threaded base. The quartz sleeve will rest against a shoulder in the mounting base. Slide the O-Ring down until it is seated against the angled face of the base.
 - C. Slide the Teflon® washer over the quartz sleeve until it is resting against the O-Ring.
 - D. Slide the nut over the quartz sleeve and tighten firmly (by hand only). **DO NOT USE HAND TOOLS.** Tightening with hand tools is likely to cause quartz sleeve to break.
8. Moisten a clean, lint-free cloth with denatured alcohol and wipe the quartz sleeve.
9. Fit **AeroLogic®** to the mounting hub, and tighten until secure.
10. **⚠** Plug **AeroLogic®** into properly grounded, electrical outlet.
11. Restore power to the HVAC system.



⚠ WARNING Do not operate without proper electrical ground



⚠ WARNING Avoid exposure to direct or reflected germicidal ultraviolet rays. Germicidal ultraviolet rays are harmful to the eyes and skin.

"Unit and Lamp and Quartz Sleeve Installation, Replacement, or Cleaning" Continued on Page 12.

12.   Verify operation by viewing lamps through sight glass assembly and lamp operation indicators. If the unit is not operating properly, go to “**Troubleshooting**” section on **page 13**.
13.   While wearing protective eye wear, inspect HVAC system for any ultraviolet light leakage. No ultraviolet light should be visible from any duct opening, joint, seam, or the **AeroLogic®** unit itself. The installation should also be inspected using a sensitive ultraviolet meter, to ensure that the ultraviolet radiant exposure of personnel/ occupants is within acceptable limits. (See “**Zenith™ UV-C Detector**” in the “**Optional Accessories**” section on **pages 12–13**.)

PRECAUTIONS

 **▲ WARNING** To guard against injury, basic safety precautions should be observed.

- Procedures **MUST** be adopted to ensure that the **AeroLogic®** is disconnected from power whenever personnel work on the HVAC system. Personnel who work in and around the system **MUST** be briefed on the precautions to be observed.
- The HVAC system should be re-inspected routinely for any ultraviolet light leakage. (Especially when maintenance or modifications are performed.)
- If there are any doubts or concerns about the safety or the effectiveness of the installation, or if a sensitive ultraviolet meter is required, please contact our UV Application Specialists.

MAINTENANCE

 **▲ WARNING** Always disconnect power to the unit before performing any service or maintenance.

- The **AeroLogic®** is designed to operate with a minimal amount of maintenance.
- A regular cleaning cycle of the **STER-L-RAY®** Germicidal Lamp and **Promate™** Sight Glass **MUST** be established, and carefully maintained, based on inspection and experience. The frequency of cleaning will vary with the conditions surrounding each installation. It is recommended that the ultraviolet lamp be cleaned at least once every three (3) months.
- The **STER-L-RAY®** Germicidal Ultraviolet Lamp used in the **AeroLogic®** have a manufacturer’s rated effective life of 10,000 hours. Lamp may operate longer than the rated effective life, but the reduction in ultraviolet output will make it impractical to use past the manufacturer’s rated life. For maximum efficiency, lamp replacement is recommended every 10,000 hours of operation or about one (1) year of continuous use.
- Unless lamp replacement is due to failure or breakage, it is recommended that all lamps be replaced at the same time.
- For proper germicidal lamp and/or quartz sleeve replacement and cleaning procedure see “**Unit and Lamp and Quartz Sleeve Installation, Replacement, or Cleaning**” on **page 11**.
- Contact factory with questions.

BREAKAGE

 **▲ CAUTION** Broken Quartz is SHARP.



Wear protective gloves when handling broken ultraviolet lamp(s). In the event of breakage, **DO NOT** use a household vacuum cleaner to pick up quartz fragments. Sweep up debris into a plastic bag and dispose of properly.

DISPOSAL OF MERCURY ADDED LAMPS



Germicidal ultraviolet lamps, like standard fluorescent lamps contain small amounts of mercury. Mercury added lamps should not be placed in the trash. Dispose of properly. For further information regarding the disposal and recycling of lamps containing mercury, along with Federal and State requirements visit LampRecycle.org. For more information on **STER-L-RAY®** Germicidal Ultraviolet Lamps, visit AtlanticUltraviolet.com or Ultraviolet.com.

OPTIONAL ACCESSORIES

1. **Zenith™ Germicidal Ultraviolet Detector (30-1015):** A sensitive, hand-held, self-contained battery operated ultraviolet meter that can be used for:
 - Monitoring UV-C Germicidal Lamp Intensity & Aging
 - Measuring UV-C Germicidal Fixture Leakage
2. **Additional Promate™ Observation Port Sight Glass Assembly:** A Sight Glass Assembly allows for visual inspection of the lamp, without the need to remove the unit from the duct. One - 1 inch Sight Glass Assembly is included with each unit. If needed, additional **Promate™** Sight Glass Assemblies are available in 1" (**40-1044A2**) and 2" (**40-1040A1**) diameters.

OPTIONAL ACCESSORIES CONT.

3. **Promate™ Safety Glasses (00-1299):** Safety eyewear **MUST** be used as general-purpose safety protection and for additional shielding from germicidal ultraviolet rays.
4. **Promate™ Face Shield (00-0126):** Adjustable headgear and lightweight visor offer eye and face protection from germicidal ultraviolet rays.
5. **Additional Duct Danger Labels (70-0039A):** 2" x 4" label to be affixed to air duct where the **AeroLogic®** is installed. Two (2) labels are included with the purchase of this model, but additional labels may be purchased.
6. **Additional Access Panel Danger Labels (70-0077):** 8.5" x 11" label to be affixed to the the entrance of any area where **AeroLogic®** units are installed. These labels warn that power to the ultraviolet unit(s) **MUST** be disconnected before entering or performing any service. One (1) label is included with the purchase of this model, but additional labels may be purchased.

For more information and purchasing, contact our offices weekdays between 8:30 am and 5:00 pm Eastern time at: Atlantic Ultraviolet Corporation®, 375 Marcus Boulevard, Hauppauge, New York, 11788 • Tel: (631) 273-0500 • Fax: (631) 273-0771
Email: Sales@AtlanticUV.com • Shop: AtlanticUltraviolet.com • Learn More: Ultraviolet.com

TROUBLESHOOTING

 **⚠️ WARNING** Always disconnect power to the unit before performing any service or maintenance.



Use personal protection equipment, such long sleeves with no gaps between cuffs and gloves, and ultraviolet-resistant face shield, if troubleshooting **AeroLogic®**.

IMPORTANT: This unit is to be serviced **ONLY** by qualified and appropriately trained and/or licensed personnel.

Table 1 – Troubleshooting

Problem	Possible Cause	Corrective Action
Unit not operating.	No electrical power.	Verify that the unit is connected to a live power source.
	Power connections to fixtures, loose or disconnected.	Verify power connections to fixture is fully engaged.
STER-L-RAY® Germicidal Lamp not operating.	STER-L-RAY® Germicidal lamp not properly seated.	Confirm connection between lamp and lampholder, is tight and that lamp is making full contact with lampholder.
	STER-L-RAY® Germicidal lamp faulty.	Swap suspect lamp with known good lamp. If known good lamp does not operate, replace ballast.
	Surelite™ Ballast not functioning.	Locate ballast and replace.

If the above measures fail to correct the problem(s), contact our Application Specialists. Contact options can be found in the “User Assistance” section of this manual, located on the back page.

TECHNICAL SPECIFICATIONS

Table 2 – Technical Data

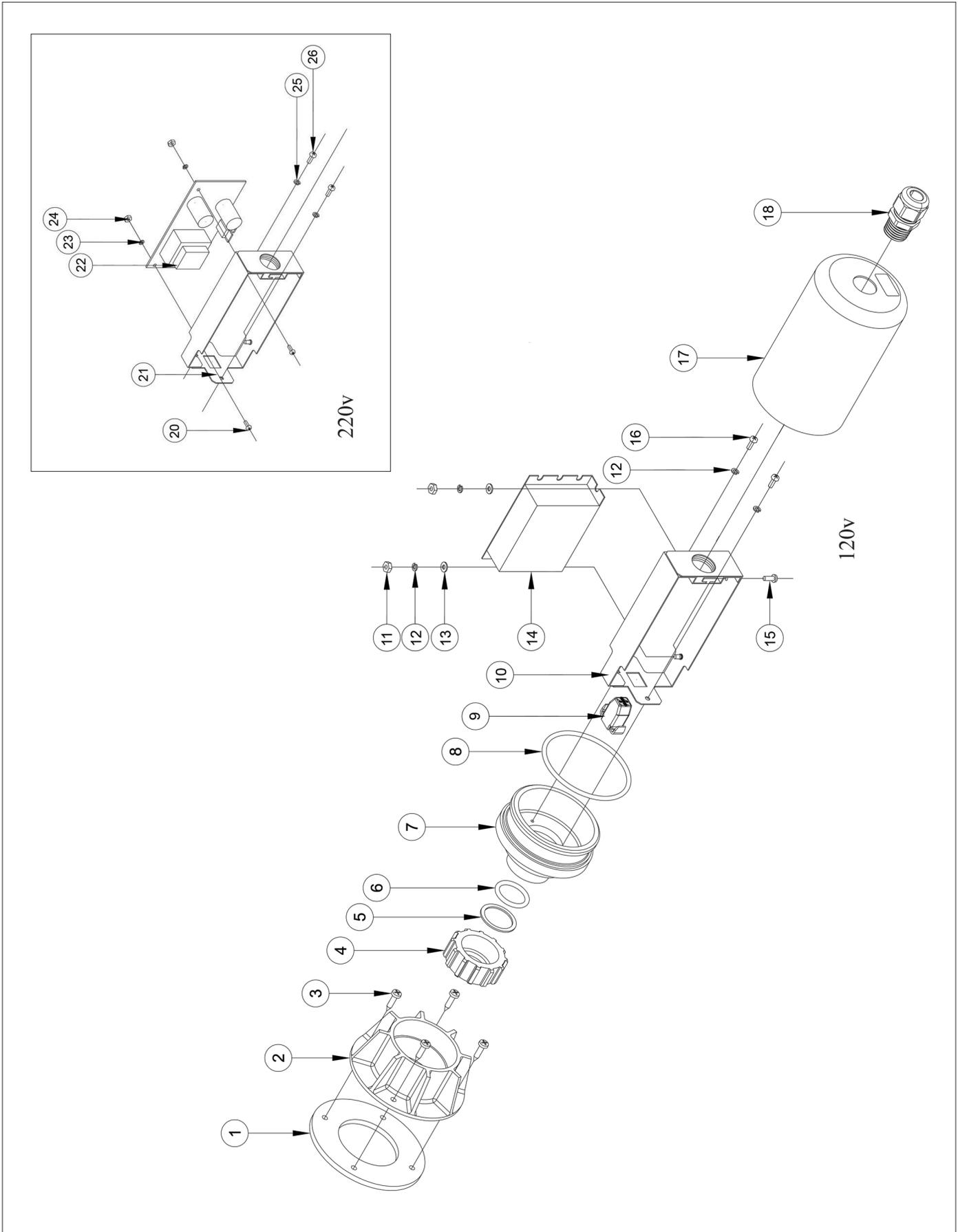
Model	Current (A)		Lamp Model	Lamp Power	Ultraviolet ① Output	Length: (into duct)
	120v	220v				
AERO-8	.12A	.10A	05-1119-R	10W	2.3W	7-5/32"
AERO-12	.16A	.16A	05-1366-R	14W	3.7W	10-7/64"
AERO-14	.21A	.17A	05-0218-R	17W	5.8W	14" in.
AERO-16	.22A	.19A	05-1370-R	21W	6.4W	15-31/32"
AERO-18	.23A	.20A	05-1523-R	22W	6.9W	17-1/32"
AERO-20	.25A	.23A	05-0117-R	25W	8.5W	20"
AERO-24	.27A	.26A	05-0097-R	29W	9.7W	23-7/32"
AERO-26	.30A	.29A	05-0219-R	32W	11.2W	26"
AERO-32	.32A	.36A	05-1382-R	39W	13.8W	32"
AERO-44	.50A	.46A	05-0197-R	50W	19.3W	44"

All specifications, dimensional data etc. are approximate and subject to change without notice.

① Ultraviolet output at 254nm at 100 hours and 80°F (approximate).

REPLACEMENT PARTS

Figure 7 – Exploded View



REPLACEMENT PARTS

Table 3 – Replacement Parts

Item No.	Description	QTY	Part No.
1	Gasket - Mounting Hub	1	40-6018A
2	Mounting Hub:	1	40-6005A
3	Screw: 8-18x3/4" Pan Head	4	50-0400
4	Nut: AeroLogic ® Mini	1	40-6002A2
5	Teflon® Washer	1	00-0229A
6	O-Ring	1	00-0116
7	Base: AeroLogic ® Mini	1	40-6001A2
8	O-Ring	1	00-2233
9	Steadfast ™ Lamp Socket: 4 Pin Snap-In	1	35-1124A
10	Chassis Assembly: 120v	1	40-6028A
11	Nut: 6-32 Finish Hex	2	50-1178
12	Washer: No. 6 Lock	4	50-1393
13	Washer: No. 6 Flat	2	50-1402
14	Surelite ™ Ballast: 120v	1	10-0150
15	Screw: 6-32 x 1/2" Philips	1	50-0155
16	Screw: 6-32 x 3/8" Philips	2	50-0061
17	Cover AeroLogic ® Mini	1	40-6015
18	Strain Relief: Liquid Tight	1	35-0052
19	Line Cord: 120v	1	35-1046
	Line Cord: 220-240v	1	35-1452-R
20	Screw: 4-40 x 1/4" Philips	2	50-1006
21	Chassis Assembly: 220v	1	40-6042A
22	Surelite ™ Ballast: 220v	1	35-0219A-R
23	Washer: No. 4 Lock	2	50-0017
24	Nut: 4-40 Finish Hex	2	50-1186
25	Washer: No. 6 Lock	2	50-1393
26	Screw: 6-32 x 3/8" Philips	2	50-0061

Other replacement parts are available. Consult Atlantic Ultraviolet Corporation® for specific requirements.

Table 4 – Replacement - Lamps - Quartz Sleeves

Germicidal Model	STER-L-RAY ® Lamp	CRYSTAL CLEAR ™ Quartz Sleeve
AERO-8	05-1119-R	15-6101A
AERO-12	05-1366-R	15-6102A
AERO-14	05-0218-R	15-6103A
AERO-16	05-1370-R	15-6104A
AERO-18	05-1523-R	15-6105A
AERO-20	05-0117-R	15-6106A
AERO-24	05-0097A-R	15-6107A
AERO-26	05-0219-R	15-6108A
AERO-32	05-1382-R	15-6109A
AERO-44	05-0197-R	15-6110A

All specifications, dimensional data etc. are approximate and subject to change without notice.

USER ASSISTANCE

Atlantic Ultraviolet Corporation® makes every effort to ensure that the **AeroLogic®** Air Duct Disinfection equipment are products of superior quality and workmanship. This manual describes the installation, operation and maintenance of the **AeroLogic®** Air Duct Disinfection equipment

Please read and become familiar with the contents of this manual before installing or using this unit. If after reading the manual you still have questions, or concerns, regarding the installation or use of this unit, contact our offices, weekdays between 8:30 am and 5:00 pm Eastern Time, at:

Atlantic Ultraviolet Corporation®
375 Marcus Boulevard
Hauppauge, New York, 11788
Tel: (631) 273-0500
Fax: (631) 273-0771
Email: Sales@AtlanticUV.com
Shop: AtlanticUltraviolet.com
Learn More: Ultraviolet.com

PATENT NOTICE

No attempt has been made to determine the patent status of applications illustrated or described in this publication. Inclusion in this publication of any design or method of use, which may be patented, is not to be construed as promoting or sanctioning unauthorized use.

WARRANTY & PRODUCT REGISTRATION

We warrant this product to the original owner to be free from defects in material and workmanship when installed in accordance with Atlantic Ultraviolet Corporation specifications for a period of time as follows:

UV Water Purifier Chambers – Type 316 stainless steel chambers will have a Twelve (12) year Limited Warranty on the stainless steel chamber, from the date of original purchase while the Type 304 stainless steel chambers will have a Six (6) year Limited Warranty on the stainless steel chamber.

UV Air Disinfection Housing – Three (3) year Limited Warranty on the metal housing, from the date of original purchase.

Ballasts – Three (3) year Limited Warranty, from the date of original purchase.

UV Lamps, Monitoring Devices, Optional Accessories, and Other Parts – One (1) year Limited Warranty from the date of original purchase.

Within the warranty period we shall repair or replace such products, which are returned to us with shipping charges prepaid and which are determined by us to be defective. This warranty will not apply to any product, which has been subjected to misuse, negligence or accident; or misapplied; or modified; or repaired by unauthorized person; or improperly installed. Warranty will be null and void if any of the product’s original labels are removed. This Limited warranty excludes the cost of labor.

The Buyer shall inspect the product promptly after receipt and shall notify us at our main office in writing of claims, including claims of breach of warranty, within thirty (30) days after the Buyer discovers or should have discovered the facts upon which the claim is based. Failure of the Buyer to give written notice of a claim within the time period shall be deemed to be a waiver of such claim.

The provisions of the above warranty are our sole obligation and exclude all other remedies or warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, whether or not purposes or specifications are described herein. We further disclaim any responsibility whatsoever to the customer, or to any person for injury to person, damage to, or loss of property or value caused by any product which has been subjected to misuse, negligence, accident; or modified or repaired by unauthorized persons; or improperly installed.

Under no circumstances shall the Company be liable for any incidental, consequential or special damages; losses or expenses arising from the contract for this product, or in connection with the use of, or inability to use, our product for any purpose whatsoever.

Be sure to register your product and validate purchase within 30 days –registration is simple and will take less than 2 minutes to do.

NOTE – failure to register your purchase may jeopardize warranty.

Go to AtlanticUltraviolet.com and scroll down to the bottom of the page, under “Trust” click the “Warranty Registration Form”, complete and click “Submit”. Or click on “Warranty Registration PDF” to download the warranty registration card as a PDF, complete and mail to us at 375 Marcus Boulevard, Hauppauge, NY 11788, or simply fax to (631) 273-0771. If you prefer to register by phone, please call (631) 273-0500 and our customer service staff will be glad to assist you.

For your convenience, record the following information below. The model and serial number can be found on a label located on the **AeroLogic®** Air Duct Disinfection equipment. Keep this manual, along with proof of purchase, handy when contacting our offices.

Purchased From:	Date:
Model:	Serial No.: