

Monozone™

GERMICIDAL ULTRAVIOLET AIR OZONE GENERATORS

Models 2-OZ, 3-OZ & 6-OZ



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

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Ultraviolet.com



WARNING

Designed For
Unoccupied &
Well-Ventilated
Spaces Only.

Exposure to Ozone Can
Cause Respiratory Distress.

Owner's Manual

TABLE OF CONTENTS

SAFETY WARNINGS	3
SAFETY INSTRUCTIONS	3
CAUTION.....	3
SAFETY LABELING.....	4
PRODUCT APPLICATION	4
CONSTRUCTION	4
PRINCIPLE OF OPERATION	4-5
LIMITATION OF USE.....	5
UNPACKING	5
INSTALLATION	6-7
FIXTURE PLACEMENT	6
DIMENSIONAL DATA.....	6
REQUIRED TOOLS	6
SET-UP INSTRUCTIONS	7
STANDARD	7
STANDARD WALL MOUNTING.....	7
MAINTENANCE.....	9
REQUIRED SUPPLIES.....	9
LAMP INSTALLATION, REPLACEMENT, OR CLEANING	9
INTAKE FILTER	10
CLEANING OF ELECTROSTATIC FILTER.....	10
BREAKAGE.....	10
DISPOSAL OF MERCURY ADDED LAMPS.....	10
OPTIONAL ACCESSORIES	11
TROUBLESHOOTING	11
TECHNICAL SPECIFICATIONS.....	12
REPLACEMENT PARTS.....	12-13
MAINTENANCE NOTES	14-15
USER ASSISTANCE	16
PATENT NOTICE.....	16
WARRANTY & PRODUCT REGISTRATION	16


These instructions generally describe the installation, operation and maintenance of the **Monozone™** Ultraviolet Air Ozone Generator. 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 fixture.
- 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 eye wear.

 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.

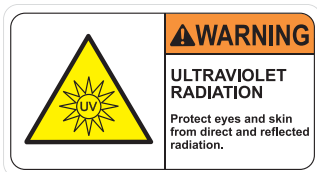
 **WARNING** For unoccupied & well-ventilated spaces only. Exposure to ozone can cause respiratory distress. OSHA Regulation: 8 hours exposure 0.1ppm (0.2mg/m³)

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.  **CAUTION** Do not override safety interlock.
6. Do not mount under any source of moisture or condensation, such as humidifiers, cooling coils, etc.
7. Do not remove any labels or devices.
8.  **WARNING** Do not operate without proper electrical ground.
9. Do not operate the fixture if there is visible or suspected damage to the fixture or, if applicable, there is damage to power cord and/or plug.
10. Keep inlet and outlet, of the blowers, clean and clear of debris.
11.  **CAUTION** Do not operate without access cover secured.
12. Stay clear of blowers, or other moving parts that can cause injuries.
13. Utility power supplied, to the fixture, **MUST** match power requirements listed on the fixture label.
14.  **WARNING** Always disconnect power to the fixture before performing any service or maintenance.
15. Read and follow all notices and warnings on the fixture.
16. **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 & SIGNS



Warning Label: Ultraviolet Radiation (70-0052A)



Location of 70-0052A Label



Warning Label: Ozone Exposure (70-0124)



Location of 70-0124 Label (Both Sides of Unit)



8.5" x 11" Warning Sign: Ozone Sanitization In Progress (1 Supplied – 98-1848)

PRODUCT APPLICATION

CONSTRUCTION

The **Monozone™** Ultraviolet Air Ozone Generator consists of:

- **STER-L-RAY®** Germicidal Ultraviolet Ozone Lamp(s), which deliver ultraviolet energy in the specific wavelength of 254 nanometers (nm) which is highly effective against airborne microbes including virus, bacteria, and mold spores — in the wavelength of 185nm that produces ozone.
- 120-volt 50/60Hz or 230-volt 50/60Hz **Surelite™** Electronic Ballast(s).
- A polished reflector, whose design and specular aluminum construction, maximizes ultraviolet intensity within the exposure chamber.
- A standard, NEMA 5-15, three-prong plug, and operates on 120VAC 50/60Hz single-phase standard household current. The **Monozone™** is also available for operation on 230VAC 50/60Hz.
- Permanent, washable, electrostatic intake filter(s), capable of removing airborne particles as small as 5 microns.
- A louvered exhaust, which restricts direct ultraviolet radiation from passing into the area.
- A sight glass assembly, which provides visual indication of germicidal lamp(s) operation without the risk of UV exposure.
- An enclosure and access cover constructed of stainless steel, type 304. Stainless steel construction provides strength, durability and lasting value.
- An interlock safety switch. The interlock switch interrupts power to the fixture, when the access cover is removed from the lamp/exposure chamber.
- Molded rubber feet, for use on tabletops, shelves, etc. and standard wall mounting brackets. These brackets allow the **Monozone™** to be mounted to a wall, or other vertical surface in either the vertical or horizontal position. Optional mounting kits are available. Consult our Application Specialists for specific details.

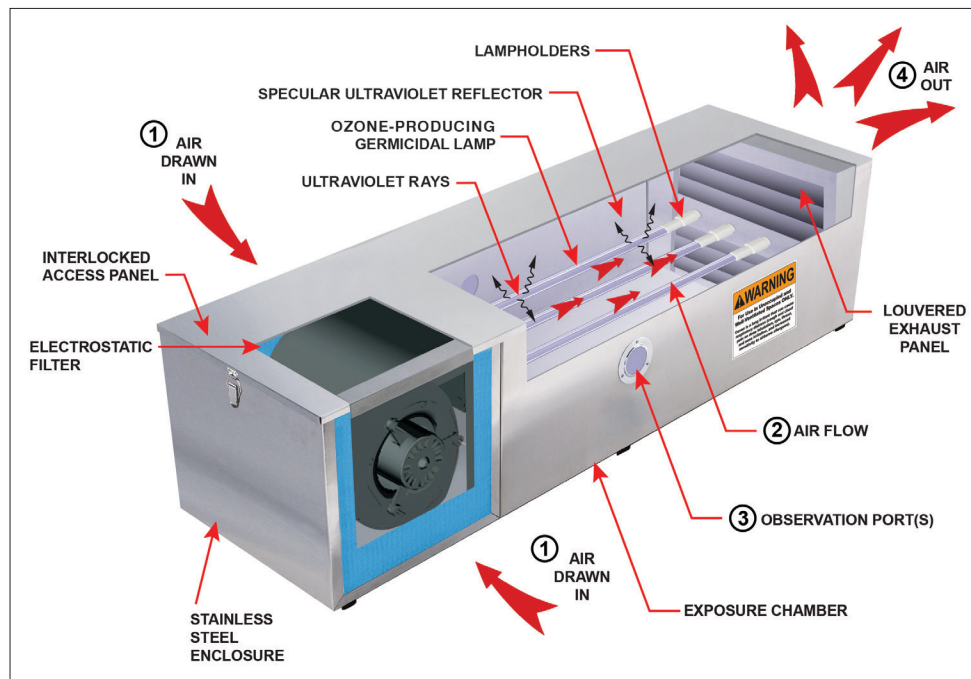
PRINCIPLE OF OPERATION

The **Monozone™** Ozone Generators are intended for use in scientific research and industrial and commercial ozonation applications and are not intended for use in occupied areas.

The operation of the **Monozone™** is as follows:

1. Air is drawn into the fixture through the electrostatic filter(s).
2. The air is forced into the exposure chamber, where it is irradiated by the germicidal ultraviolet ozone lamp(s).
3. Sight glass provides positive indication of operation of germicidal lamp(s).
4. The purified air exits the fixture, through the louvered exhaust panel, located at the opposite end of the fixture.
- 4 5. Air exiting the **Monozone™** includes a small amount of ozone.

Figure 1 – Monozone™ Model 6 Ozone Generator



LIMITATION OF USE

- Overexposure to germicidal ultraviolet rays will result in the irritation of the eyes and reddening of the skin. For that 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 that 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. (“2004 TLVs® and BEIs®”)
- The Food and Drug Administration prohibits any device that generates or causes an accumulation of more than 0.05 P.P.M. of ozone in the atmosphere of an enclosed space intended to be occupied by people for extended periods of time.

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 **Monozone™** Ozone Generator from its shipping carton.
- Atlantic Ultraviolet Corporation takes all possible precautions when packaging this fixture to prevent damage. Carefully inspect the fixture, power cord and plug for damage, report all damage immediately. Do not assemble or operate if there is any damage, visible or suspected.
- **STER-L-RAY®** Germicidal Lamp(s) are packed separately, to ensure maximum protection for the lamp(s). Keep the lamp(s) aside until ready for installation.
- Carefully inspect all packing materials to prevent the loss of accessories, mounting hardware, spare parts or instructions.

The **Monozone™** Model 2-OZ Includes:

- 1 - 72 CFM displacement/1-lamp fixture with 6-foot line cord
- 1 - **STER-L-RAY®** Germicidal Ultraviolet Ozone Lamp
- 1 - Set of Standard **Promate™** Wall Mounting Brackets
- 1 - Operating Instructions
- 1 - Warning Sign (98-1848)

The **Monozone™** Model 3-OZ Includes:

- 1 - 140 CFM displacement/2-lamp fixture with 6-foot line cord
- 2 - **STER-L-RAY®** Germicidal Ultraviolet Ozone Lamps
- 1 - Set of Standard **Promate™** Wall Mounting Brackets
- 1 - Operating Instructions
- 1 - Warning Sign (98-1848)

The **Monozone™** Model 6-OZ Includes:

- 1 - 435 CFM displacement/4-lamp fixture with 6-foot line cord
- 1 - Warning Sign (98-1848)

- 4 - **STER-L-RAY®** Germicidal Ultraviolet Ozone Lamps
- 1 - Set of Standard **Promate™** Wall Mounting Kit
- 1 - Operating Instructions

INSTALLATION

FIXTURE PLACEMENT

For maximum efficiency the **Monozone™** should be located as centrally as possible, preferably not close to the floor or the corners of the area to be treated.

Fixture **MUST** be operated only in unoccupied and well-ventilated spaces.

To ensure safe and proper use, make sure the area:

- Has a properly grounded, electrical outlet within 6-feet of the fixture.
- Has a plumb, secure wall, for standard wall mounting (if applicable).

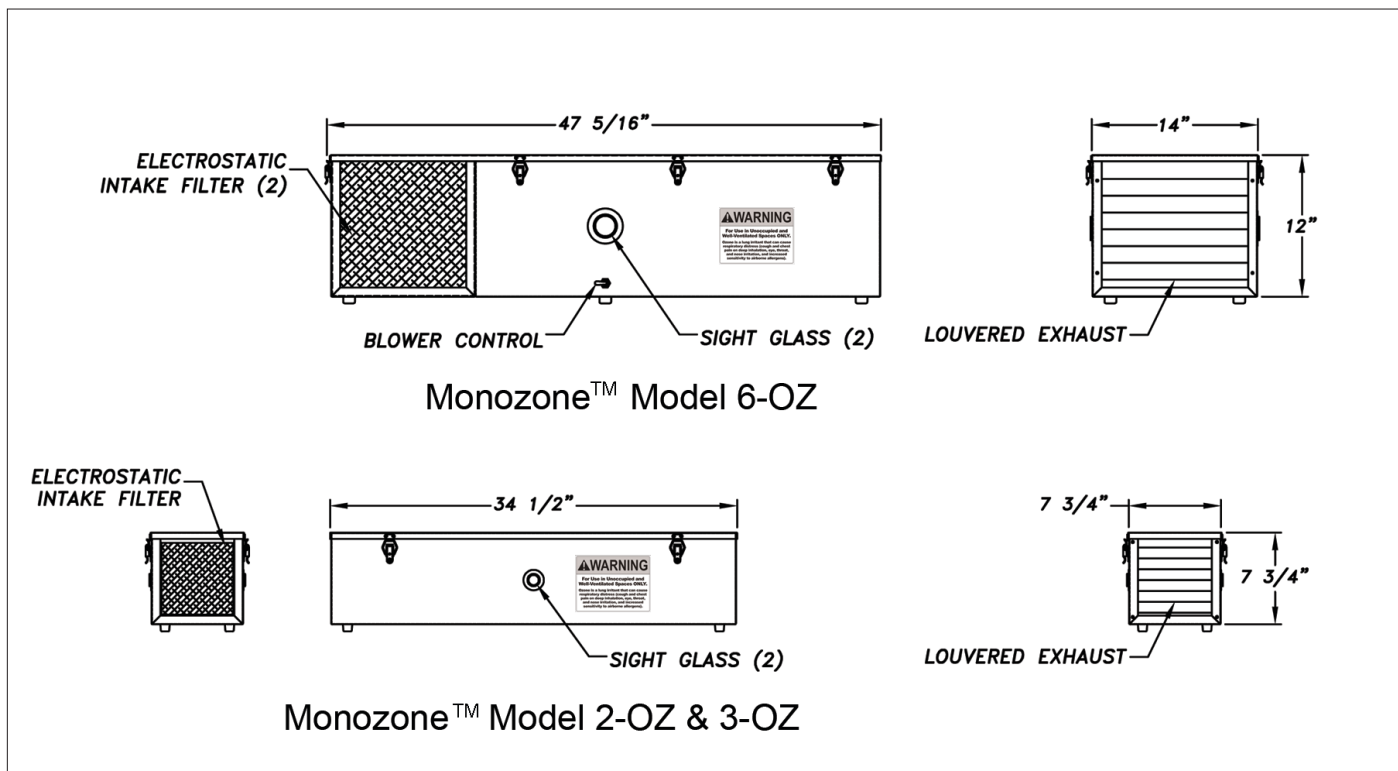
⚠ WARNING Failure to adequately support this equipment could result in serious injury or even death.



⚠ WARNING For unoccupied & well-ventilated spaces only. Exposure to ozone can cause respiratory distress.

DIMENSIONAL DATA

Figure 2 – Dimensional Data



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

REQUIRED TOOLS (FOR WALL MOUNTING)

- Pencil
- If wall mounting, support hardware appropriate for the wall construction
- Tape measure
- Spirit level
- Power drill with drill bits and drivers
- Soft, clean, lint-free cloth
- Denatured alcohol

SETUP INSTRUCTIONS



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 fixture before performing any service or maintenance.

STANDARD

The **Monozone™** Ozone Generators are portable, and require no professional installation.

1. Place fixture in selected location.
2. Unlatch and remove access cover.
3. Install lamp(s) following the steps in “**Lamp Installation, Replacement, or Cleaning**” in the “**Maintenance**” section.
4. Replace and re-latch access cover.
5. Plug power cord into the electrical outlet.
6. Verify operation by safely viewing lamps through sight glass. If the **Monozone™** is not operating properly, go to the “**Troubleshooting**” section.



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



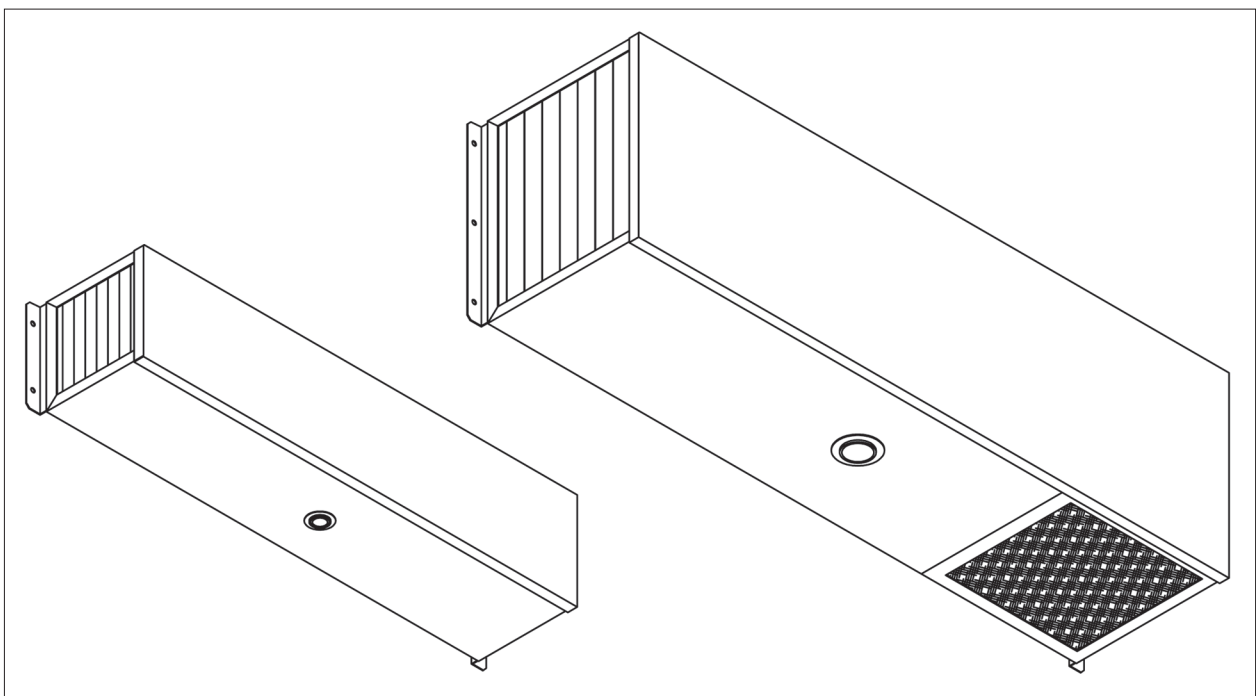
WARNING For unoccupied & well-ventilated spaces only. Exposure to ozone can cause respiratory distress.

STANDARD WALL MOUNTING

WARNING Failure to adequately support this equipment could result in serious injury or even death.

The **Monozone™** Ozone Generators Models 2-OZ, 3-OZ, and 6-OZ include a set of standard wall mounting brackets. The brackets allow the **Monozone™** to be mounted to a wall, or other vertical surface, in either the vertical or horizontal position. Once installed onto the fixture, the wall mounting brackets provide four (4) 5/16” mounting holes, Models 2-OZ, and 3-OZ, or six (6) 5/16” mounting holes on the Model 6-OZ.

Figure 3 – Typical Mounting Using Standard Wall Mounting Brackets



⚠ CAUTION Proper installation is important. Special fasteners are required. If in doubt, installation should be done by a qualified professional.

1. Select a plumb, secure wall which is capable of supporting the weight of the **Monozone™**, with a properly grounded, electrical outlet within 6-feet of the desired placement area. **NOTE:** Utility power supplied, to the fixture, **MUST** match power requirements listed on the fixture label.
2. Locate and mark the centers of mounting holes in accordance with the appropriate Figure.

Figure 4 – Model 2-OZ & Model 3-OZ Bolt Hole Location

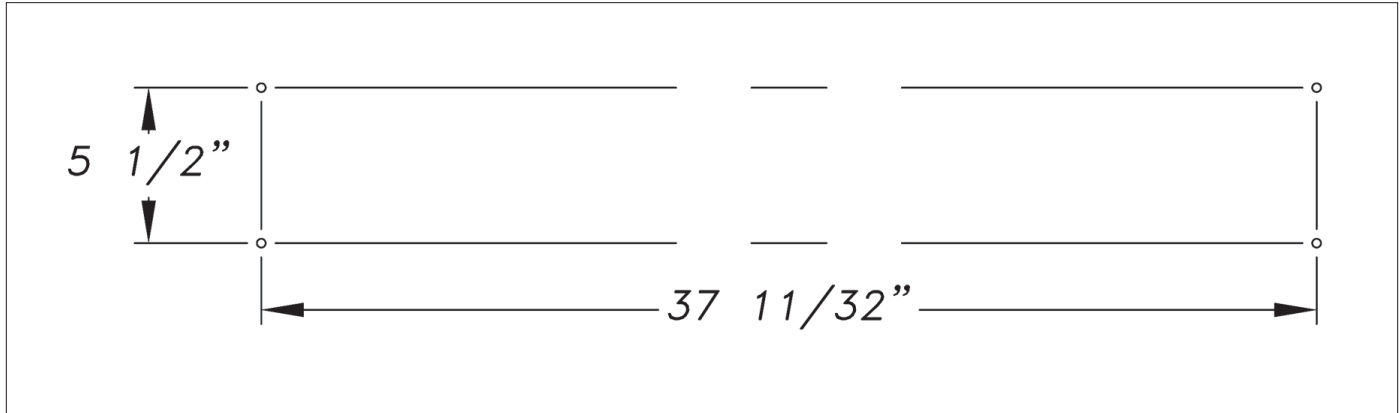
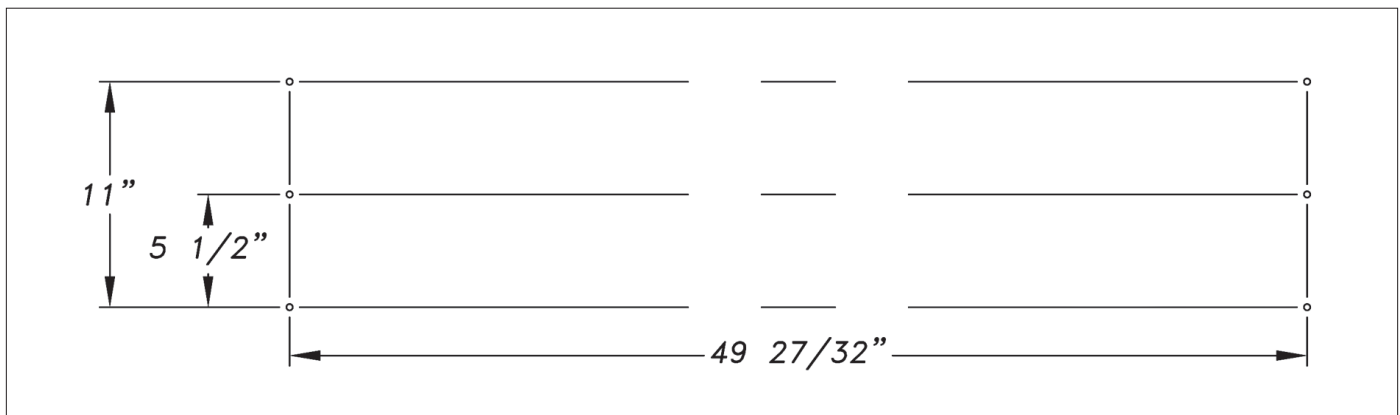


Figure 5 - Model 6-OZ Bolt Hole Location



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

3. Following manufacturer's instructions, prepare wall for mounting hardware installation.
4. Locate and remove the molded rubber feet and 1/4"-20 x 3/4" long screws. Attach wall-mounting brackets re-using the 1/4"-20 x 3/4" long screws.


⚠ CAUTION Assistance is required when attempting to wall mount **Monozone™** Ozone Generators; they are bulky and better handled by 2 people.

5. Lift **Monozone™** into position; align bracket-mounting holes. Insert mounting hardware into each of the mounting holes.
6. **Avoid over tightening!** Over tightening may damage or weaken the mounting surface or the mounting hardware.
7. Install lamp(s) following the steps in "**Lamp Installation, Replacement, or Cleaning**" in the "**Maintenance**" section.

MAINTENANCE

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

- The **Monozone™** is designed to operate with a minimal amount of maintenance.
- A regular cleaning cycle of the **STER-L-RAY®** Germicidal Lamp(s), interior, **Promate™** Sight Glass and intake filter(s) **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(s) be cleaned at least once every three (3) months.
- The **STER-L-RAY®** Germicidal Ultraviolet Lamp(s) used in the **Monozone™** have a manufacturer's rated average effective life of 10,000 hours. **STER-L-RAY®** Lamps may operate longer than their 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 **STER-L-RAY®** lamp replacement is due to failure or breakage, it is recommended that all lamps be replaced at the same time.

 **⚠️ CAUTION** Do not override the safety interlock switch. Operation of the fixture with the interlock switch overridden and the Access Door open will expose personnel to direct or strongly reflected germicidal ultraviolet rays. Germicidal ultraviolet rays are harmful to the eyes and skin.

REQUIRED SUPPLIES

- Vacuum cleaner
- Detergent
- Water
- Soft, clean, lint-free cloth
- Denatured alcohol

LAMP 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 fixture 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 fixture and unplug from the electrical outlet.
2. Remove **STER-L-RAY®** lamp(s), carefully press lamp against the spring-loaded lampholder, when upper lamp pin clears the stationary lampholder pull lamp out, and away from fixture.
3. Moisten a clean, lint-free cloth with denatured alcohol and clean **STER-L-RAY®** lamp(s).
4. When **STER-L-RAY®** lamp(s) have been removed, cleaned and safely set aside, remove any loose dust or dirt from the interior of the **Monozone™** with a soft dry cloth, or vacuum.
5. To remove any dust, dirt, fingerprints, smears, etc, from the outer surfaces of the **Monozone™** Ozone Generator, moisten a clean, lint-free cloth with denatured alcohol and wipe down the fixture. Buff out any streaks, left from the cleaning, using a soft dry cloth.
6. Install **STER-L-RAY®** lamp(s), insert lamp pin into spring-loaded lampholder. Carefully press lamp against the spring-loaded lampholder. Align upper lamp pin with stationary lampholder. Slowly ease the pressure until lamp is fully seated in lampholders.
7. Verify that **STER-L-RAY®** lamps are properly seated.
8. Repeat until all **STER-L-RAY®** lamps have been properly reinstalled.
9. Restore power to the fixture.



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

10. Verify operation by viewing lamp(s), use of personal protection equipment is required. If the **Monozone™** is not operating properly, go to the "Troubleshooting" section.

INTAKE FILTER

- The **Monozone™** Ozone Generators are fitted with a **Promate™** permanent, washable, electrostatic air filter. **DO NOT** apply oil, or adhesive sprays to the filter.
- In most applications, regular vacuuming will maintain peak performance of **Promate™** Electrostatic Filter(s); periodically flushing electrostatic filter(s) with clean water is recommended whenever vacuuming fails to restore a clean appearance.
- **Promate™** Electrostatic Filter(s) may be cleaned repeatedly without loss of efficiency. The frequency of cleaning will vary with the conditions surrounding each installation.

CLEANING OF ELECTROSTATIC FILTER



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 fixture before performing any service or maintenance.

1. Disconnect power to the **Monozone™**.
2. Unlatch and remove access cover.
3. Remove **Promate™** filter(s) from the housing, noting airflow direction. The label on the filter frame shows the direction of air flow through the filter
4. Vacuum the upstream side first, and repeat on the discharge side. (Skip to step 7 unless washing filter.)

⚠ CAUTION Do not use a high velocity water stream to clean the filter. A high velocity stream may destroy the filter's internal fibers.

5. To wash **Promate™** filter, flush thoroughly with clean water, either by immersing or with a fine spray in the direction opposite to the airflow. If the filter is contaminated with heavy grease concentrations, wash filter with a detergent solution. **NOTE:** Follow all manufacturer's instructions and precautions for handling detergents. The filter should be rinsed thoroughly with clean water.
6. Shake off any excess water from filter and let dry.
7. Replace **Promate™** filter into the housing, with airflow direction label pointing into the electrical enclosure.
8. Close and re-latch access cover.
9. Restore power to the **Monozone™**.
10. Verify operation by safely viewing lamp(s) through sight glass. If the fixture is not operating properly, go to the "Troubleshooting" section.

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. **SENTINEL™ Remote Lamp Indicator** monitors lamp operation of the ultraviolet fixture, and can be mounted using 25, 50 or 100 foot cables.
2. * **Promate™ Elapsed Time Indicator:** A non-resettable display of the operating hours. Useful for scheduling and recording maintenance and lamp replacement.
3. * **Promate™ Integral Key Lock Switch:** Ensures tamperproof operation, in either the "ON" or "OFF" position.
4. **Promate™ Disposable Filters:** Cardboard frame filters, for use when frequent filter changes are necessary.

OPTIONAL ACCESSORIES

5. **Promate™ Ceiling Mount Kit:** Kit includes four (4) eyebolts to suspend sanitizer from the ceiling.
6. **Promate™ Wall Mounting Kit (40-1309A or 40-4210A):** Bracket set designed to allow **Monozone™** to mount to a vertical wall in a horizontal position.
7. **Promate™ Safety Glasses (00-1299):** Safety eye wear **MUST** be used as general-purpose safety protection and for additional shielding from ultraviolet rays.
8. **Promate™ Face Shield (00-0126):** Lightweight visor with adjustable headgear provides eye and face protection from germicidal ultraviolet rays.
9. **Additional Promate™ Warning Signs (98-1848):** Laminated signs (8.5" x 11") to be displayed at entrance(s) to areas where **Monozone™** is in use. They warn of exposure to ozone. One (1) warning sign is included with purchase of **Monozone™** but additional signs may be purchased

* This accessory must be ordered at the time of initial equipment purchase. All other accessories can be ordered and installed at the time of initial equipment purchase and installation or added at a later date.

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 fixture before performing any service or maintenance.



▲ CAUTION Use personal protection equipment, such long sleeves with no gaps between cuffs and gloves, and ultraviolet resistant face shield, if troubleshooting **Monozone™**.

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

Table 1 – Troubleshooting

Problem	Possible Cause	Corrective Action
Monozone™ not operating	No electrical power	Verify that the fixture is connected to a live power source.
	Power connection to fixture is loose or disconnected	Verify power connection to fixture is fully engaged.
Internal blower(s) not functioning	Loose power connection	Confirm connection to blower; connection is tight and makes full contact.
	Faulty blower motor	Replace blower motor.
Single STER-L-RAY® Germicidal Ozone Lamp not operating	Surelite™ Ballast not functioning	Swap lamp, with known good lamp. If good lamp still does not operate, replace ballast.
	STER-L-RAY® Germicidal lamp not operating	Swap suspect lamp, with known good lamp. If suspect lamp still does not operate, replace lamp.
	STER-L-RAY® Germicidal lamp not properly seated	Confirm contact between lamp and lampholder is tight, and that lampholder is making full contact with lamp.
	Surelite™ Ballast not functioning	Locate corresponding ballast and replace.
All STER-L-RAY® Germicidal Ozone Lamps not operating	STER-L-RAY® Lamps not installed	Install lamps.
	Interlock switch open	Confirm access cover is on and latched.
	Interlock switch faulty	Replace interlock switch.

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 Specifications

Model Numbers		2-OZ	3-OZ	6-OZ
Blower Capacity: (Cubic Feet per Minute)		72	140	435
Nominal Fixture Capacity ①: (Cubic Feet per Minute)		54	105	326
Max Treatment Capacity: (Cubic Feet per Hour)		3,240	6,300	19,575
Max Area Size @ 3 Air Changes/Hour: (Cubic Feet)		1,080	2,100	6,525
Max Area Size @ 4 Air Changes/Hour: (Cubic Feet)		810	1,575	4,894
Max Area Size @ 5 Air Changes/Hour: (Cubic Feet)		648	1,260	3,915
Max Area Size @ 6 Air Changes/Hour: (Cubic Feet)		540	1,050	3,263
Dimensions	Length: (Inches)	34-1/2	34-1/2	47-5/16
	Width: (Inches)	7-3/4	7-3/4	14
	Height: (Inches)	7-3/4	7-3/4	12
Electrical:	Volts: (Volts)	120	120	120
	Amps: (Amps)	1.25	2.30	4.52
	Line Frequency: (Hertz)	50/60	50/60	50/60
Lamp Data:	Lamp Model:	05-1349-R	05-1349-R	05-0050-R
	Power Consumption②: (Watts/Lamp)	25	25	32
	Ultraviolet Output③: (Watts/Lamp)	8.5	8.5	11.2
	Ozone Output*	2.3	4.6	12.0

① Fixture capacity incorporates an estimated allowance for airflow friction loss across filter and fixture.

② Wattage is lamp watts only and does not include ballast loss.

③ Ultraviolet output at 254nm at 100 hours and 80°F (approximate).

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

REPLACEMENT PARTS

Table 3 – Replacement Parts

NO.	Description	Model 2-OZ		Model 3-OZ		Model 6-OZ	
		QTY.	Part No.	QTY.	Part No.	QTY.	Part No.
1	STER-L-RAY ® Germicidal Ultraviolet Ozone Lamp	1	05-1349-R	2	05-1349-R	4	05-0050-R
2	Surelite ™ Electronic Ballast, 120v, 50/60Hz	1	10-0137	2	10-0137	4	10-0137
	Surelite ™ Electronic Ballast, 230v, 50/60Hz	1	10-0136	2	10-0136	4	10-0136
3	Promate ™ Filter: Electrostatic	1	40-7058A	1	40-7058A	2	40-1266B
4	Promate ™ Blower: 120v	1	40-0104A	1	40-1079B	1	40-1078B
	Promate ™ Blower: 230v	1	40-0032A	1	40-0031A	1	40-0078
5	Steadfast ™ Lampholder Set	1	05-1320A-R	2	05-1320A-R	4	05-1320A-R
6	Interlock Switch	1	40-4040A	1	40-4040A	1	40-4040A
7	Switch: DPDT, 15A	-	-	-	-	1	35-0014*
8	Molded Rubber Bumpers	4	00-1351A	4	00-1351A	6	00-1351A
9	Promate ™ Wall Mounting Bracket ①	2	40-1309A	2	40-1309A	2	40-4210A
10	Line Cord: 120v	1	35-1100	1	35-1100	1	35-1100
	Line Cord: 230v	1	35-1452-R	1	35-1452-R	1	35-1452-R
11	Promate ™ Sight Glass	2	40-1044A1	2	40-1044A1	2	40-1040A1

Other replacement parts are available. Consult the Factory for specific requirements.

① Item not shown, for clarity.

* Only applies to Model 6-OZ 120v version.

REPLACEMENT PARTS

Figure 6 – Replacement Parts List for MONOZONE™ Models 2-OZ & 3-OZ

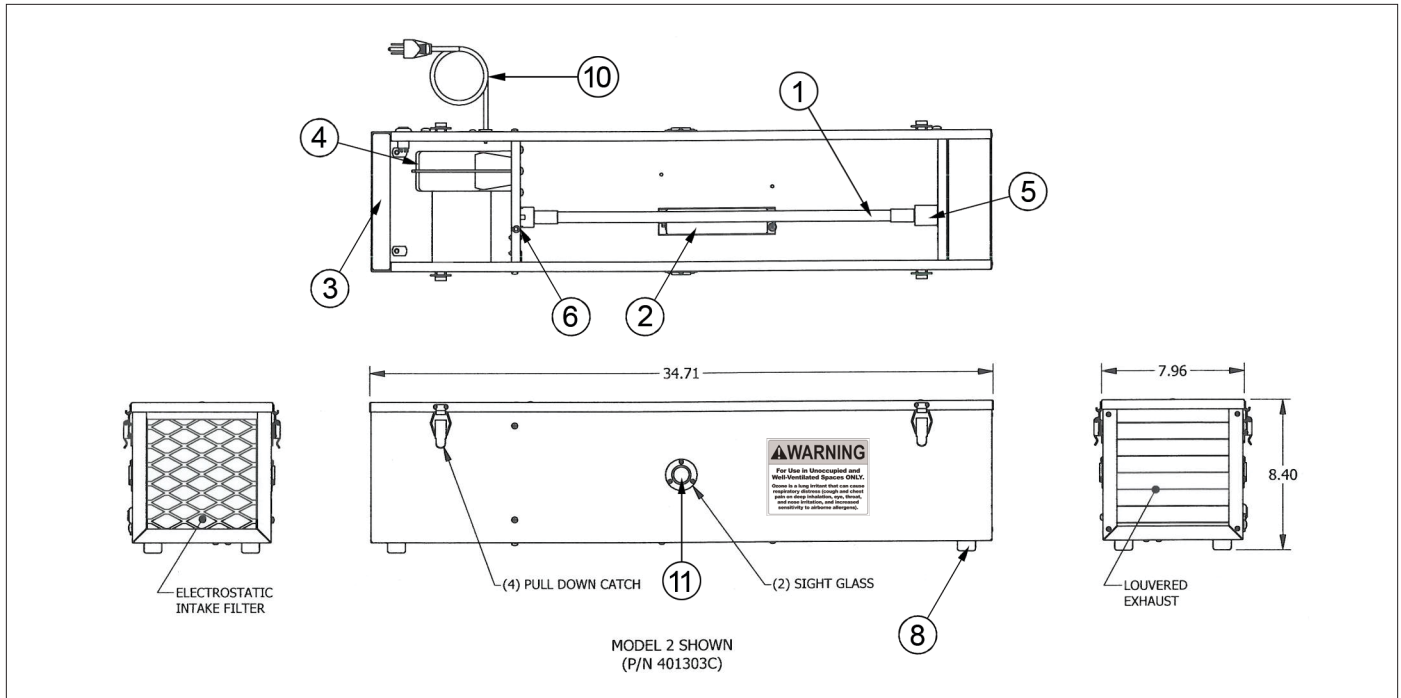
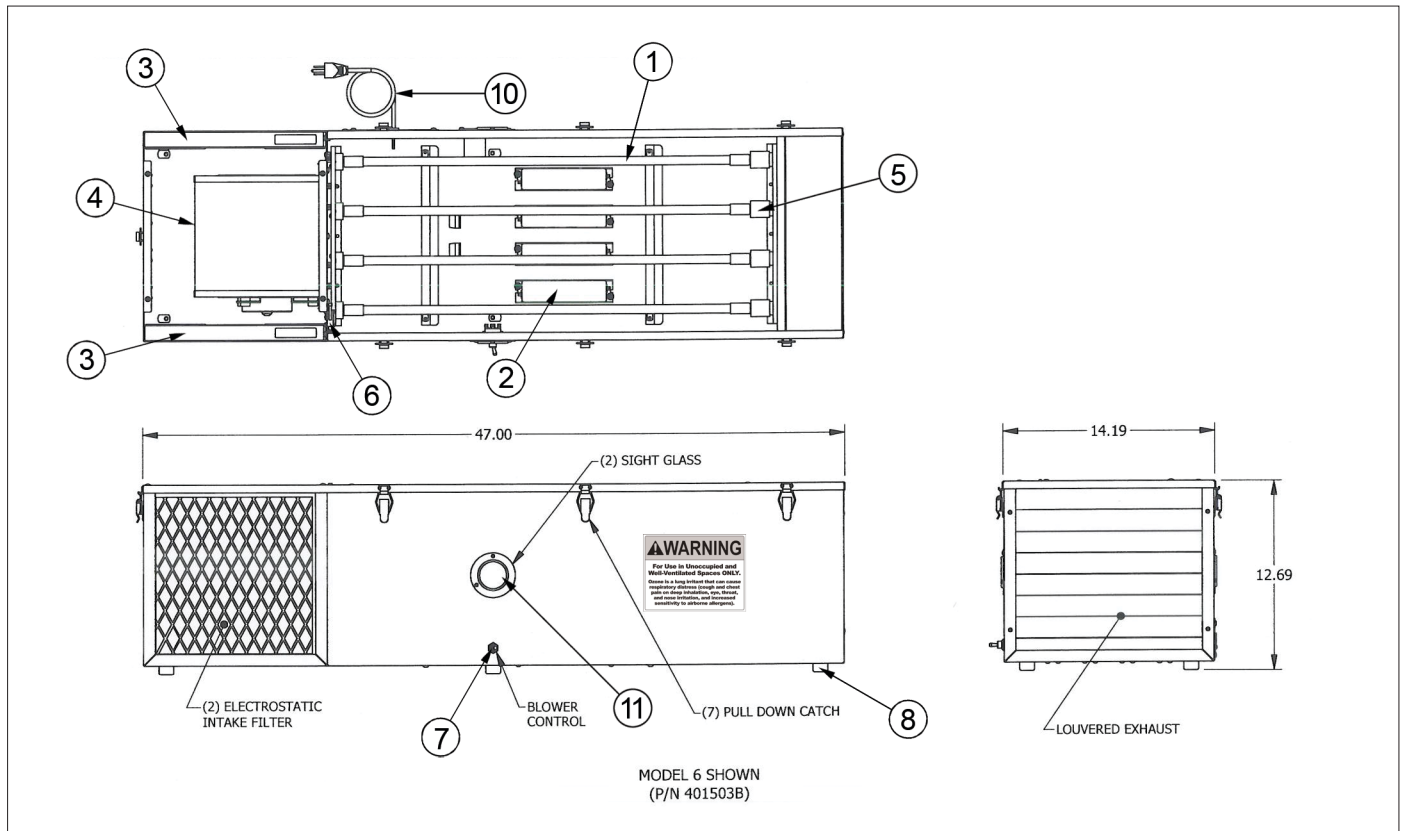


Figure 7 – Replacement Parts List for MONOZONE™ Model 6-OZ



MAINTENANCE NOTES

MAINTENANCE NOTES

USER ASSISTANCE

Atlantic Ultraviolet Corporation® makes every effort to ensure that the **Monozone™** UV-C Air Ozone Generators is a product of superior quality and workmanship. This manual describes the installation, operation and maintenance of the **Monozone™** Germicidal UV Air Ozone Generators.

Please read and become familiar with the contents of this manual before installing or using this fixture. If after reading the manual you still have questions, or concerns, regarding the installation or use of this fixture, 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 **Monozone™** Germicidal Ultraviolet Air Ozone Generators. Keep this manual, along with proof of purchase, handy when contacting our offices.

Purchased From:	Date:
Model:	Serial No.: