



**GERMICIDAL ULTRAVIOLET ROOM AIR SANITIZERS**

**Model RSM2680**

# 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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# Owner's Manual

# TABLE OF CONTENTS

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SAFETY WARNINGS .....	3
SAFETY INSTRUCTIONS .....	3
CAUTION.....	3
SAFETY LABELING.....	4
<b>PRODUCT FEATURES.....</b>	<b>5</b>
CONSTRUCTION .....	5
PRINCIPLE OF OPERATION .....	6
LIMITATION OF USE.....	6
<b>UNPACKING .....</b>	<b>7</b>
<b>UNIT OPERATION.....</b>	<b>7</b>
MONITORING.....	7
KEY SWITCH AND POWER CONTROL .....	8
LAMP AND FILTER RESET BUTTONS .....	8
<b>INSTALLATION .....</b>	<b>8</b>
LAMP INSTALLATION .....	8-9
FILTER REPLACEMENT .....	10
UNIT PLACEMENT .....	10
INSTALLATION.....	11
DIMENSIONAL DATA.....	11
SETUP INSTRUCTIONS .....	11
<b>MAINTENANCE.....</b>	<b>12</b>
REQUIRED SUPPLIES.....	12
LAMP INSTALLATION, REPLACEMENT, OR CLEANING .....	12
INTAKE FILTER .....	13
BREAKAGE .....	13
DISPOSAL OF MERCURY ADDED LAMPS.....	13
<b>OPTIONAL ACCESSORIES .....</b>	<b>13</b>
<b>TROUBLESHOOTING .....</b>	<b>14</b>
<b>TECHNICAL SPECIFICATIONS.....</b>	<b>14</b>
<b>REPLACEMENT PARTS.....</b>	<b>15</b>
<b>MAINTENANCE NOTES .....</b>	<b>15</b>
<b>USER ASSISTANCE .....</b>	<b>16</b>
PATENT NOTICE.....	16
<b>WARRANTY &amp; PRODUCT REGISTRATION .....</b>	<b>16</b>


These instructions generally describe the installation, operation and maintenance of the **SANITAIRE®** Germicidal Ultraviolet Room Air Sanitizer Model RSM2680. 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 is used to identify an **ELECTRICAL SHOCK** or **ELECTROCUTION** hazard.

 This symbol is used to identify a **GERMICIDAL ULTRAVIOLET LIGHT** hazard.

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

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


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







 This symbol 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.

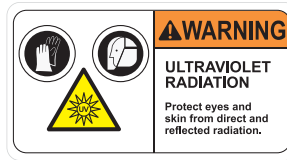
2. Intended for indoor use only.
3. Do not alter design or construction.
4. Do not use this fixture for other than its intended purpose, as described in this manual.
5.  **CAUTION** Do not override safety interlock.
6. Do not store/operate under any source of moisture or condensation, such as humidifiers, 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 unit if there is visible or suspected damage to the unit 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 doors closed and locked.
12. Do not operate without all 4 filters installed behind the intake grills.
13. Stay clear of blowers or other moving parts that can cause injuries.
14. Utility power supplied to the unit **MUST** match power requirements listed on the unit label.
15.   **WARNING** Always disconnect power to the unit before performing any service or maintenance.
16. Read and follow all notices and warnings on the unit.
17. **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

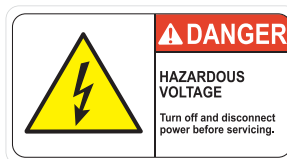
## Unit Front



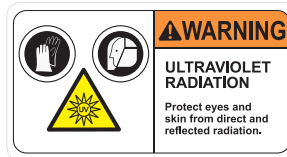
Warning: UV-C Radiation (70-0052A) (x4, 1 per side)



Disconnect / Turn Off Unit Before Opening Access Door (70-0121) (x2, Front and Back)



Danger: Hazardous Voltage (70-0053) (See additional locations below.)



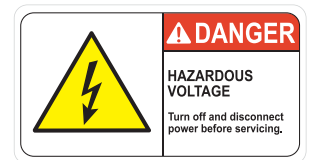
Warning: UV-C Radiation (70-0052A) (On both Access Doors)



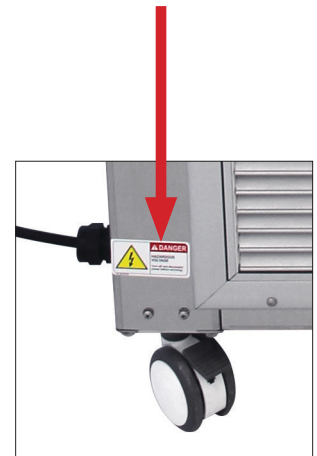
Hg - Lamp Contains Mercury (70-0011) (Also 3x inside unit, by lamp bases)



Disconnect / Turn Off Unit Before Changing Filter (70-0121) (x4, 1 per side)



Danger: Hazardous Voltage (70-0053)

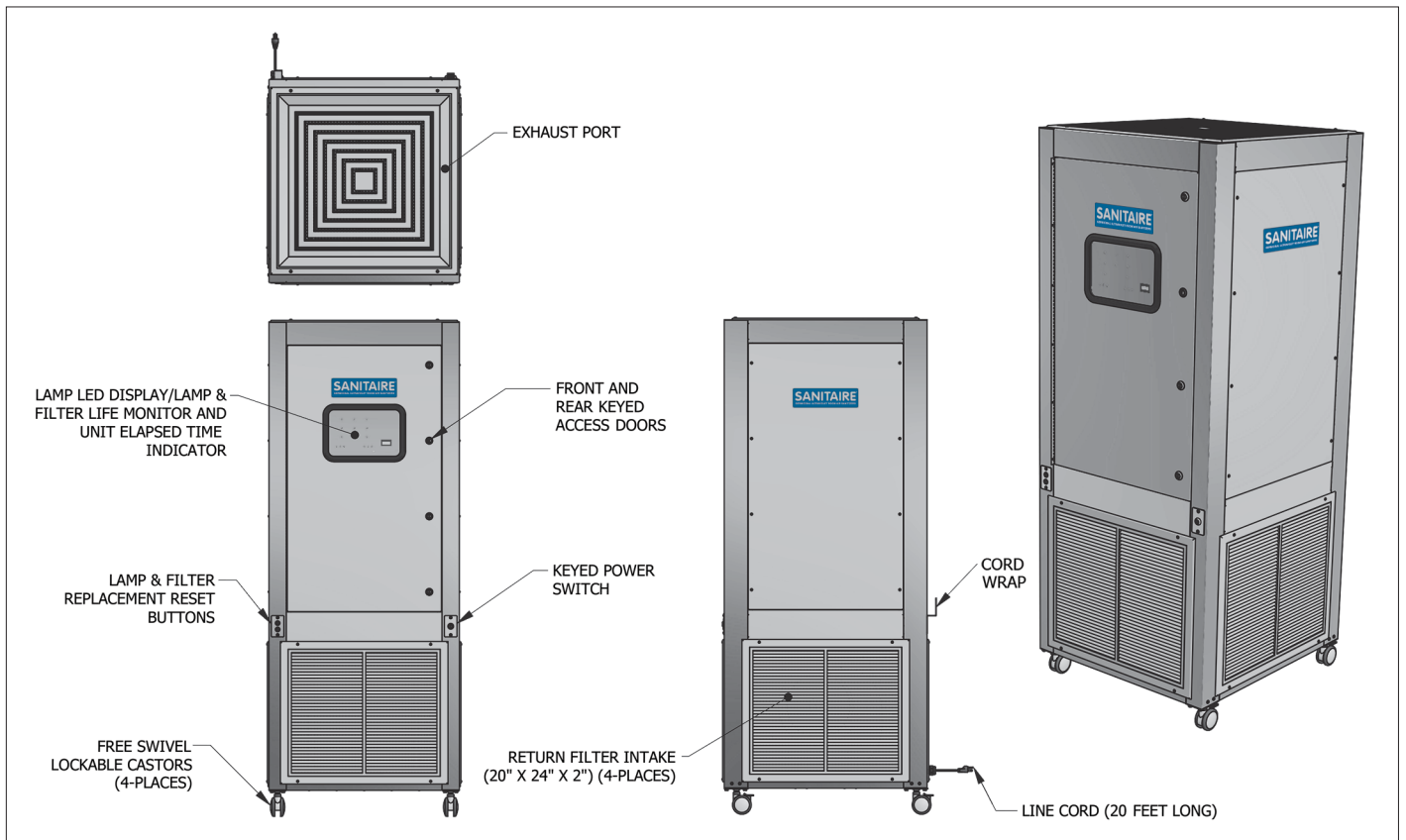


Unit Side

Unit Back

# PRODUCT FEATURES

Figure 1 – SANITAIRE® RSM2680 Germicidal UV Room Air Sanitizer Product Features



## CONSTRUCTION

The **SANITAIRE®** Germicidal Ultraviolet Room Air Sanitizer consists of:

- **STER-L-RAY® Germicidal Ultraviolet Lamps:** Eight lamps deliver germicidal ultraviolet energy at the specific wavelength of 254 nanometers (nm), which effectively inactivates airborne microbes including virus, bacteria, and mold spores.
- **Surelite™ Electronic Ballast(s):** Capable of operating at 120v 50/60 Hz. Other power supplies may be available. Contact factory for specifics.
- **Power Cord:** A standard, NEMA 5-15, three-prong plug, and operates on 120v AC 60Hz single-phase standard household current.
- **Cord Wrap:** Provides convenient storage of 20' power cord.
- **Intake Grills & Filters:** Four intake grills containing synthetic pleated air filters with a MERV 7 rating.
- **Exit Exhaust:** Top louvered exhaust, which limits ultraviolet radiation from passing into the room, helps to protect the room's occupants from ultraviolet exposure.
- **Stainless Steel Construction:** All stainless-steel frame and access panels & doors constructed of type 304. Stainless steel construction provides strength, durability, and lasting value.
- **Keyed Power Switch:** Power operation controlled by key access to ensure fixture is controlled by authorized personnel only.
- **Unit Interior Access:** Access doors are key locked and protected by interlock safety switch. The switch interrupts power to the sanitizer when the access door(s) are opened to the disinfection chamber. The key lock ensures access is limited to authorized personnel only.
- **Locking casters:** Allow the **SANITAIRE®** RSM2680 to be easily transported from one area to another.
- **Blower:** Belt driven blower produces greater than 2000 CFM, reducing turnover times in large areas.
- **Unit Monitoring:** Unit operation is monitored from the Front Access Door. Panel includes individual lamp monitoring, lamp and filter life monitoring, and unit display of operating hours.

## PRINCIPLE OF OPERATION

The **SANITAIRE**<sup>®</sup> design has been carefully conceived to provide germicidal ultraviolet exposure for air disinfection. The dosage, as it applies to ultraviolet disinfection, is a function of time, and the intensity, of ultraviolet radiation, to which the air 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 lamps. 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 operation of the **SANITAIRE**<sup>®</sup> Germicidal Ultraviolet Room Air Sanitizer is as follows:

1. Air from the room is drawn into the fixture through the four intake grills in the lower half of the unit's body and pulled thru the pleated filters behind each of these grills.
2. The air is forced upwards into the exposure chamber, where it is irradiated by the eight germicidal ultraviolet lamps.
3. The treated air exits the top of the unit, through the louvered- exhaust panel and reintroduced to the room. (See Figure 2).

**⚠ CAUTION** It is the user's responsibility to determine and validate the suitability of the equipment for use in 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.

**⚠ CAUTION** Indoor Use Only – The equipment must be sheltered from exposure to the elements and extremes in temperature. Temperature range: 40°F to 95°F. 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 labeling is missing or illegible.

**⚠ CAUTION** The UV Treatment Results achieved are subject to variations in application conditions, it is recommended that culture tests be performed to confirm desired outcomes.

Figure 2 – **SANITAIRE**<sup>®</sup> RSM2680 Germicidal UV Room Air Sanitizer Operation

## 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 people and other living things 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 (**μW/cm<sup>2</sup>**) at 254 nanometers (**nm**) for an eight (8) hour period. (“**2004 TLVs<sup>®</sup> and BEIs<sup>®</sup>**”)



# 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 **SANITAIRE**<sup>®</sup> Germicidal Ultraviolet Room Air Sanitizer from its shipping crate.
- Atlantic Ultraviolet Corporation<sup>®</sup> takes all possible precautions when packaging this fixture to prevent damage. Carefully inspect the sanitizer, 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**<sup>®</sup> Germicidal lamps are packed separately, to ensure maximum protection for the lamps. Keep the lamps aside until ready for installation.
- Carefully inspect all packing materials to prevent the loss of accessories, hardware, spare parts or instructions.
- Do not discard packing materials until fixture is assembled and inspection is complete.

The **SANITAIRE**<sup>®</sup> Model RSM2680 includes:

- 1 - 2,000 CFM displacement (8) lamp unit with 20-foot line cord (approximate)
- 8 - **STER-L-RAY**<sup>®</sup> Germicidal Ultraviolet Lamps
- 4 - Synthetic Pleated Filters
- 2 - Front & Rear Door Keys
- 2 - Power Switch Keys
- 1 - Owner's Manual
- 1 - Warranty Card

# UNIT OPERATION

## MONITORING

Figure 3 – **SANITAIRE**<sup>®</sup> RSM2680 Monitoring Panel with All Lamps Operating Correctly



**UV Lamp Operation Indicators:** Glow green when lamps are operating correctly or red when they are off or out. (See Figure 3)

**Lamp & Filter Replacement Indicators:** The lamp and filter replacement timers are a set of lights that will change when replacement of the lamps and or filters is needed. This is a timed function rather than a sensor that determines when the **STER-L-RAY**<sup>®</sup> Lamps or filters need to be changed. There is a set of three lights for both the lamps and filters (shown below). Lamp life is 10,000 operating hours. Filter life is 5,000 operating hours.

**GOOD**  **Green: GOOD**  
Lamps and/or Filters.

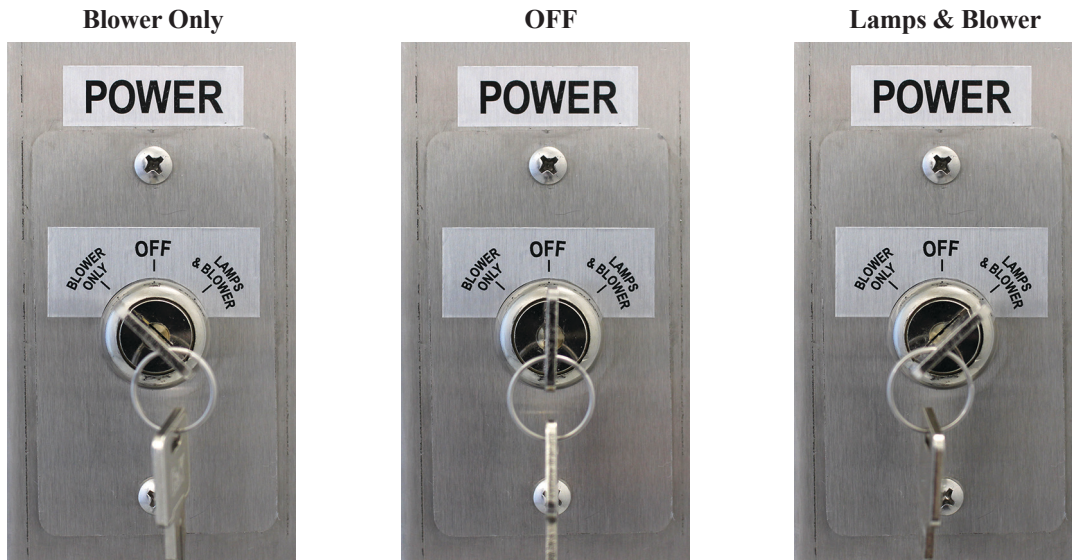
 **ORDER**  
**Yellow: ORDER** Lamps and/or filters need to be replaced soon. (500 hours of life left)

 **REPLACE** **Red (flashing): REPLACE**  
Lamps and/or Filters.

## KEY SWITCH AND POWER CONTROL

The power switch is located at the front of the unit on the lower right side. It allows the operator to run the unit in two modes: **BLOWER ONLY** (Left) or **LAMP & BLOWER** (Right). The center position is the **OFF**.

Figure 4 – SANITAIRE® RSM2680 Power Control



## LAMP AND FILTER RESET BUTTONS

The reset buttons are located at the front of the unit on the lower left side. The lamp and filter timer should be reset after each time the lamps and or filters are replaced. This is accomplished by holding down the reset button for about five seconds until the timer lights flash and the green light comes on.

Figure 5 – SANITAIRE® RSM2680 Lamp and Filter Reset Buttons



## INSTALLATION

### LAMP 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.

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

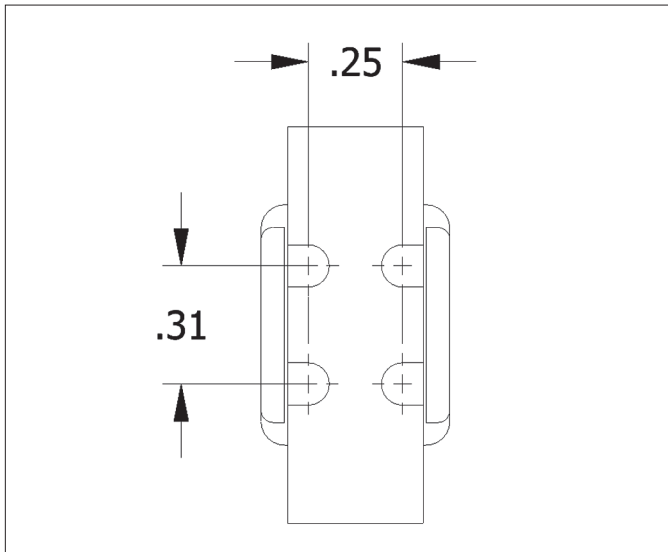
**⚠️ CAUTION** Ultraviolet lamps are easily damaged and may cause injury if broken. Exercise care when handling.

1. Disconnect power to the **SANITAIRE®**.
2. Using the key provided unlock the front and rear doors and rotate all latches on each of these doors so that they face vertical and open the front and rear doors. (“Lamp Installation” continued on Page 9)

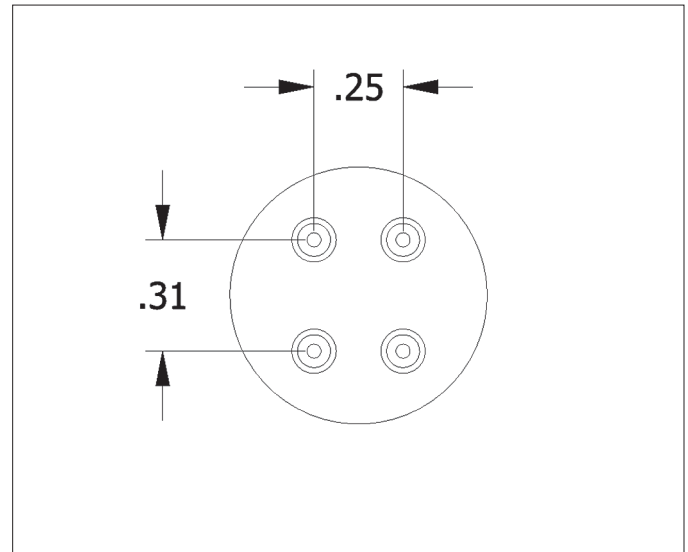


- Carefully examine the pin configuration on the **STER-L-RAY**® lamps base to ensure that the **STER-L-RAY**® lamp is installed correctly into the lampholder. (See **Figure 6** below, which shows the lampholder, and **Figure 7** below, which shows the lamp base.)
- Begin installing the **STER-L-RAY**® lamps starting with center row, continue to the next row closest to the door until all **STER-L-RAY**® lamps have been installed.

**Figure 6**

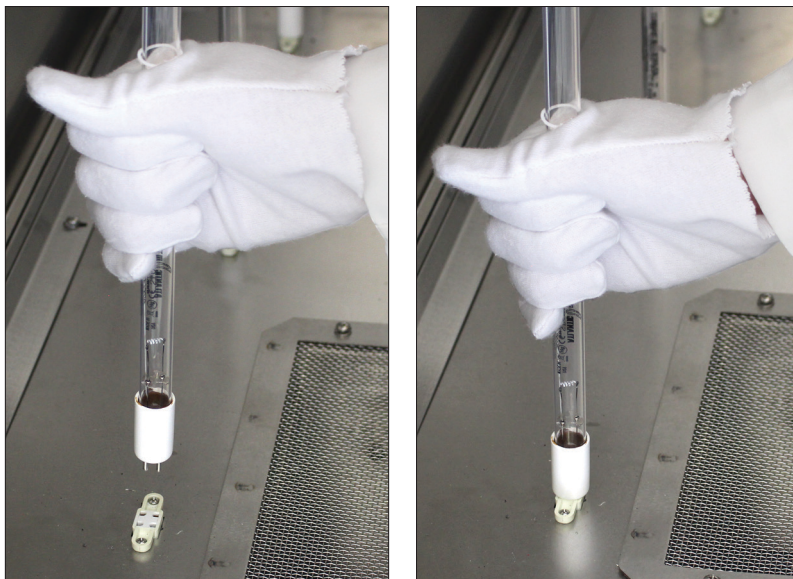


**Figure 7**

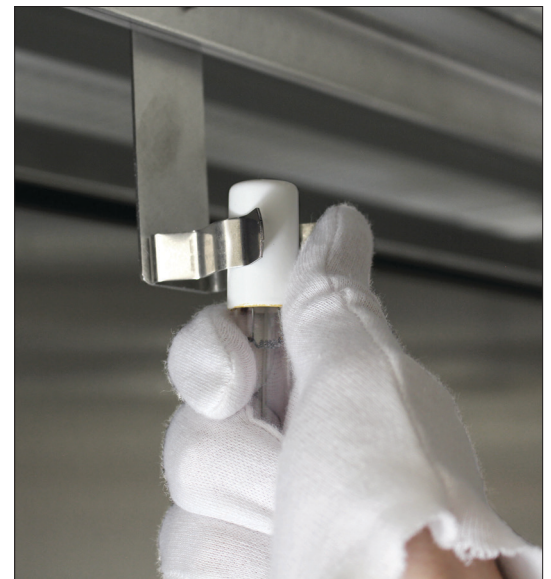


- Holding the **STER-L-RAY**® lamp so that its pin configuration matches the lampholder, carefully push the lamp into the connector (See **Figure 8**).
- Once the **STER-L-RAY**® lamp is securely seated into the connector, carefully push it into the end support (See **Figure 9**).

**Figure 8 – Lamp Installation (Bottom)**



**Figure 9 – Lamp Installation (Top)**



- Repeat until all **STER-L-RAY**® lamps have been installed into the unit. Close access doors and restore power to the unit.
- Verify unit operation by viewing the Monitoring Panel on the front of the **SANITAIRE**® RSM2680 (See **Figure 3 on Page 7**). If unit is not operating properly, go to “**Troubleshooting**” section on **Page 14**.

## ***FILTER REPLACEMENT***



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

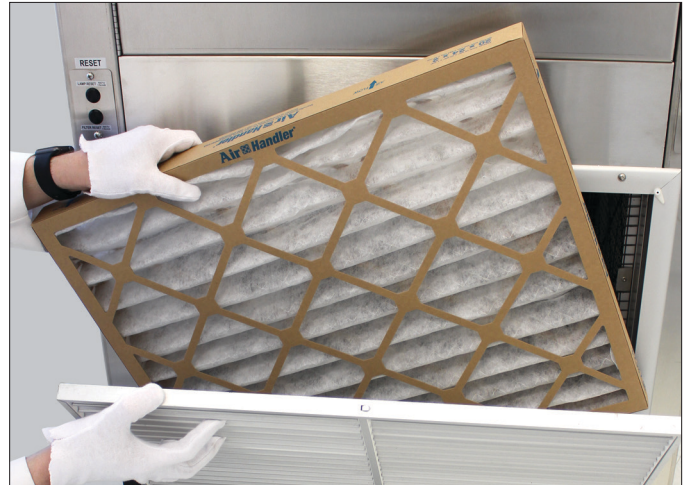
**⚠️ WARNING** **Always disconnect power to the fixture before performing any service or maintenance.**

1. Disconnect power to the **SANITAIRE**<sup>®</sup>.
2. Turn the two white plastic latches on each of the top corners of the lower filter grill and allow the grill to pivot out to expose the filter behind the grill (See **Figure 10**). Once the filter is exposed, slide it from its location (**Figure 11**).

**Figure 10**



**Figure 11**



3. Once the filter is removed, use a vacuum to remove any trapped dust or dirt in and along the filter frame. Be careful not to damage the protective mesh located in the back of the filter frame. Contact factory if this mesh is ever damaged or appears to need replacement.
4. Position the replacement filter so that the arrows on the filter showing the flow direction face inwards to the unit and slide the filter into the frame (See **Figure 12**).
5. Once the filter is in place, pivot the filter grill back into place and rotate the two white plastic latches securing the filter in place.

**Figure 12**



## ***UNIT PLACEMENT***

**SANITAIRE**<sup>®</sup> Model RSM2680 fixture is recommended for use in large conference rooms, auditoriums or any large area which may or may not contain occupants. For maximum efficiency, the **SANITAIRE**<sup>®</sup> should be located as centrally as possible. Access to the room does not need to be controlled while the fixture is operating. The louvered exhaust panel, on the top of the **SANITAIRE**<sup>®</sup> Germicidal Ultraviolet Room Air Sanitizer, limits ultraviolet radiation from passing into the room, protecting the room's occupants from ultraviolet exposure.

To ensure safe and proper use, make sure the location follow these recommendations:

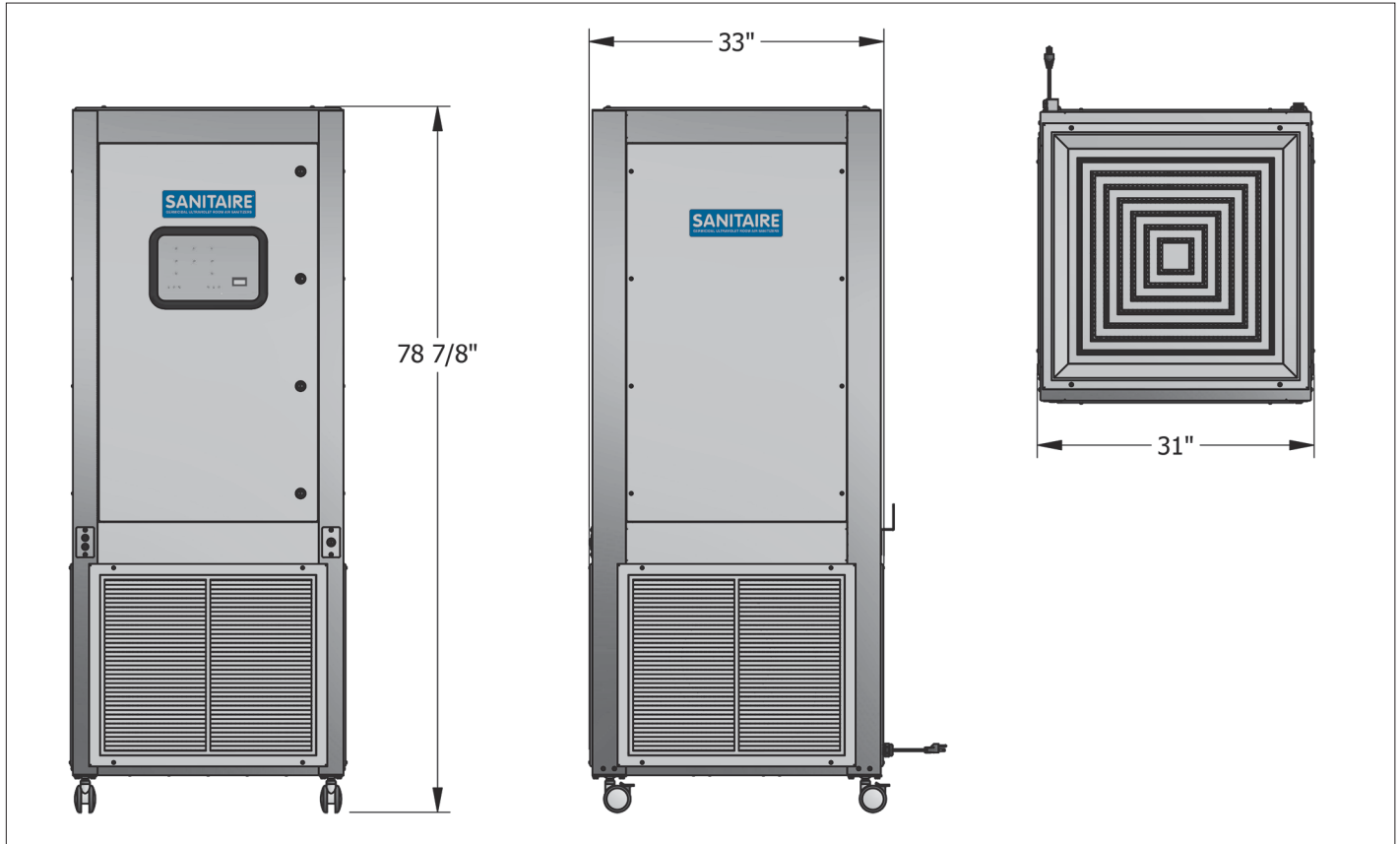
- **SANITAIRE**<sup>®</sup> should be operated indoors only.
- Selected location should allow enough space to allow free air to enter the lower filter grills and be clear of any obstruction that would hinder or reduce smooth air flow in the grills.
- Area selected should be clean and free from dust and particles which may be drawing into the intake grills.
- Has a properly grounded electrical outlet within approximately 15 feet of the unit.
- The **SANITAIRE**<sup>®</sup> should not be operated in areas with ceiling heights lower than 8 feet.
- **SANITAIRE**<sup>®</sup> is not recommended to be operated in areas that have high gloss finished ceilings, which may cause excessive reflection back into the room from the top exhaust louvers. (Contact the factory for further information.)

## INSTALLATION

**SANITAIRE**® Model RSM2680 Room Air Sanitizer is completely mobile and requires no professional installation. It is equipped with 4 locking, swivel casters, and can be moved to any location. Plug the fixture into an appropriate power source, matching the fixture's requirements. The fixture is now ready for use.

## DIMENSIONAL DATA

Figure 13 – Dimensional Data



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

## 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.

The **SANITAIRE**® Model RSM2680 is mobile and does not require professional installation.

1. Place fixture in selected location.
2. Install **STER-L-RAY**® lamps following the steps in the “**Lamp Installation**” section of this manual on **Pages 8–9**.
3. The **SANITAIRE**® Model RSM2680, ships with the (4) intake filters installed within the lower intake grills. See “**Filter Replacement**” on **Page 10** for further details on these filters.
4. Plug power cord into the electrical outlet with the matching power requirement listed on the unit's rear specification label.
5. Verify **STER-L-RAY**® lamp operation by turning the power key to the right (**Figure 4 on Page 8**). All lamp LEDs should glow green on the Front Monitoring Panel (See **Figure 3 on Page 7**). If any of the lamp displays glow **RED** rather than **GREEN**, which indicates that they are not operating properly, go to the “**Troubleshooting**” section of this manual on **Page 14**.




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

# MAINTENANCE

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

- The **SANITAIRE**® is designed to operate with a minimal amount of maintenance.
- A regular cleaning cycle of the **STER-L-RAY**® Germicidal Lamps, interior, 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 use. It is recommended that the ultraviolet lamps be cleaned at least once every three (3) months.
- The **STER-L-RAY**® Germicidal Ultraviolet Lamps used in the **SANITAIRE**® have a manufacturer's rated average effective life of 10,000 hours. 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 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

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

## LAMP INSTALLATION, REPLACEMENT OR CLEANING

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**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.

Lamps require regular replacement and should be replaced when the Lamp Replacement Indicators, located on the front monitor display changes from glowing GREEN to YELLOW or RED (Flashing).

1. Disconnect power to the fixture and unplug from the electrical outlet.
2. Unlock and open the front and rear doors of the **SANITAIRE**® to gain access to the interior of the unit.
3. Remove each **STER-L-RAY**® lamp starting with the closest by holding the lamp by the base and carefully pulling the lamp out of the upper lamp clip. Once lamp base is free from upper lamp clip, pull pin end out of lampholder and remove it from the unit. Repeat until all lamps have been removed from the unit. (Follow "Lamp Installation" Pages 8–9 in reverse order.)
4. Moisten a clean, lint-free cloth with denatured alcohol and clean all **STER-L-RAY**® lamps.
5. When **STER-L-RAY**® lamps have been removed, cleaned, and safely set aside, remove any loose dust or dirt from the interior of the unit with a soft dry cloth, or vacuum.
6. To remove any dust, dirt, fingerprints, smears, etc, from the outer surfaces of the **SANITAIRE**® Germicidal Ultraviolet Room Air Sanitizer, moisten a clean, lint-free cloth with denatured alcohol and wipe down the unit. Buff out any streaks, left from the cleaning, using a soft dry cloth.
7. When installing the new or cleaned lamps, carefully examine the pin configuration on the lamps base to ensure that the lamp is installed correctly into the lamp socket. (See "Lamp Installation" on Pages 8–9)
8. Begin installing the **STER-L-RAY**® lamps in the center row, inserting the 4-pin end of the lamp into the lampholder while supporting the top base of the lamp. When bottom of lamp is inserted into lampholder, snap top base into the upper lamp clip. (See "Lamp Installation" on Pages 8–9)
9. Verify that **STER-L-RAY**® lamps are properly seated.
10. Repeat until all **STER-L-RAY**® lamps have been properly reinstalled.
11. 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.

Verify lamp operation by viewing the Front Monitor Display located on the front door of the unit (See Figure 3 on Page 7). If the lamps do not appear as if they are operating properly, go to "Troubleshooting" section of this manual on Page 14.

## INTAKE FILTER

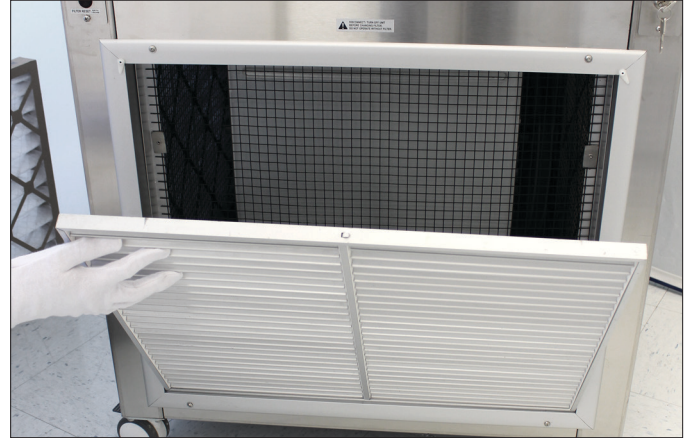
These filters require regular replacement and should be replaced when the Filter Replacement Indicators, located on the front monitor display changes from glowing GREEN to YELLOW or RED (Flashing).

- The **SANITAIRE**<sup>®</sup> Germicidal Ultraviolet Room Air Sanitizers are fitted with (4) Synthetic Pleated (MERV 7) Filters.
- Disconnect power to the **SANITAIRE**<sup>®</sup>.
- Turn the two white plastic latches on each of the top corners of the lower filter grill and allow the grill to pivot out to expose the filter behind the grill. Once the filter is exposed, slide it from its location. (See “Filter Replacement” on Page 10)
- Once the filter is removed, use a vacuum to remove any trapped dust or dirt in and along the filter frame.

**⚠ CAUTION** Be careful not to damage the protective mesh located in the back of the filter frame. Contact factory if this mesh is ever damaged or appears to need replacement (See Figure 14).

- Position the replacement filter so that the arrows on the filter showing the flow direction face inwards to the unit and slide the filter into the frame. (See Figure 12 in “Filter Replacement” Section on Page 10)
- Once the filter is in place, pivot the filter grill back into place and rotate the two white plastic latches securing the filter in place.

Figure 14



## BREAKAGE

**⚠ CAUTION** Broken Quartz is SHARP.



Wear protective gloves when handling broken ultraviolet lamps. 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](http://LampRecycle.org). For more information on **STER-L-RAY**<sup>®</sup> Germicidal Ultraviolet Lamps, visit [AtlanticUltraviolet.com](http://AtlanticUltraviolet.com) or [Ultraviolet.com](http://Ultraviolet.com).

## OPTIONAL ACCESSORIES

1. **Zenith**<sup>™</sup> **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. **Promate**<sup>™</sup> **Safety Glasses (00-1299)**: Safety eyewear **MUST** be used as general-purpose safety protection and for additional shielding from ultraviolet rays.
3. **Promate**<sup>™</sup> **Face Shield (00-0126)**: Lightweight visor with adjustable headgear provides eye and face protection from germicidal ultraviolet rays.

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

**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
<b>SANITAIRE®</b> unit not operating.	No electrical power.	Verify that the unit is connected to a live power source.
	Power connection to fixture is loose or disconnected.	Verify power connection to fixture is fully engaged.
<b>Internal blower(s) not functioning.</b>	Loose power connection.	Confirm connection to blower; connection is tight and makes full contact.
	Faulty blower motor.	Replace blower motor.
<b>(1) STER-L-RAY®</b> Germicidal Lamp not operating	<b>STER-L-RAY®</b> Germicidal Lamp not properly seated.	Confirm contact of lamp and lampholder is tight, and that lampholder is making full contact with lamp.
	<b>STER-L-RAY®</b> Germicidal Lamp not operating.	Swap suspect lamp with known good lamp position. If suspect lamp still does not operate, replace lamp.
	<b>Surelite™</b> Ballast not functioning.	If steps above do not fix problem, replace ballast corresponding to non-functioning lamp.
<b>All STER-L-RAY®</b> Germicidal Lamps not operating.	<b>STER-L-RAY®</b> 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 UV Application Specialists. Contact options can be found in the “User Assistance” section.

# TECHNICAL SPECIFICATIONS

Table 2 – Technical Specifications

Model Numbers		RSM2680
Blower Capacity: (Cubic Feet per Minute)		2,680 CFM
Nominal Fixture Capacity ①: (Cubic Feet per Minute)		2,000 CFM
Max Treatment Capacity: (Cubic Feet per Hour)		120,000 ft <sup>3</sup>
Max Room Size @ 3 Air Changes/Hour: (Cubic Feet)		40,000 ft <sup>3</sup>
Max Room Size @ 4 Air Changes/Hour: (Cubic Feet)		30,000 ft <sup>3</sup>
Max Room Size @ 5 Air Changes/Hour: (Cubic Feet)		24,000 ft <sup>3</sup>
Max Room Size @ 6 Air Changes/Hour: (Cubic Feet)		20,000 ft <sup>3</sup>
Dimensions	Length: (Inches)	33"
	Width: (Inches)	31"
	Height: (Inches)	78-7/8"
Electrical:	Volts: (Volts)	120v
	Amps: (Amps)	12 A
	Line Frequency: (Hertz)	60 Hz
Lamp Data:	Lamp Model:	05-0864
	Ultraviolet Output ②: (Watts/Lamp)	35 W
Weight:	Pounds: (lbs.)	365 lbs.

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

② 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

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Table 3 – Replacement Parts

NO.	Description	RSM2680	
		QTY.	Part No.
1	<b>STER-L-RAY</b> ® Germicidal Ultraviolet Lamp	8	05-0864
2	<b>Surelite</b> ™ Electronic Ballast, 120v 50/60Hz	8	10-0138
3	<b>Promate</b> ™ Filter (MERV 7)	4	40-0119
4	Blower: Belt Driven Blower with Motor	1	40-1485
5	<b>Steadfast</b> ™ Lamp Socket	8	35-1104A
6	Interlock Switch	2	35-0128
7	Blower Relay	1	35-0007
8	Key Power Switch	1	35-1422
9	Line Cord, 120v	1	35-1483
10	Reset Push Button Switch	2	35-3255

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

# MAINTENANCE NOTES

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# USER ASSISTANCE

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Atlantic Ultraviolet Corporation® makes every effort to ensure that the **SANITAIRE®** Germicidal Ultraviolet Room Air Sanitizer Model RSM2680 is a product of superior quality and workmanship. This manual describes the installation, operation and maintenance of the **SANITAIRE®** Germicidal Ultraviolet Room Air Sanitizer Model RSM2680.

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](mailto:Sales@AtlanticUV.com)  
Shop: [AtlanticUltraviolet.com](http://AtlanticUltraviolet.com)  
Learn More: [Ultraviolet.com](http://Ultraviolet.com)

## PATENT NOTICE

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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

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**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](http://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 **SANITAIRE®** Germicidal Ultraviolet Room Air Sanitizer Model RSM2680. Keep this manual, along with proof of purchase, handy when contacting our offices.

Purchased From:	Date:
Model:	Serial No.: