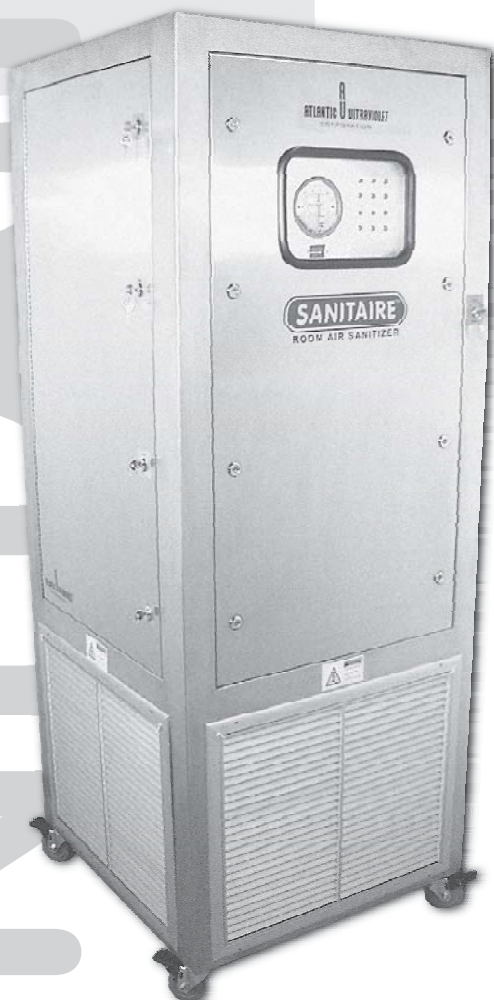


SANITAIRE™

The Solution for Air Disinfection

SANITAIRE™

ROOM AIR SANITIZER



These instructions generally describe the installation, operation and maintenance of the **Sanitaire™ Model RSM2680** Room Air Sanitizer. Questions that are not specifically answered 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 immediately. 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.

**ATLANTIC  ULTRAVIOLET
CORPORATION**

**Installation & Operation Manual
for the Sanitaire™ Air Sanitizer
Model RSM2680**



WARNING STATEMENT: _____

CAUTION:

Indicates a potentially hazardous situation, which, if not avoided, may result in minor to moderate injury, property damage.

WARNING:

Indicates a potentially hazardous situation, which, if not avoided, could result in serious injury.

DANGER:

Indicates a potentially hazardous situation, which, if not avoided, will result in death or serious injury.

SAFETY INSTRUCTIONS: _____

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

1. Read and follow **ALL** safety instructions.
2. **WARNING: Avoid exposure to direct or strongly reflected germicidal ultraviolet rays.**
Germicidal ultraviolet rays are harmful to the eyes and skin.
3. Intended for indoor use only.
4. Do not alter the construction or design.
5. Do not override safety interlocks.
6. Do not remove safety labels or devices.
7. Do not operate the equipment if the power cord and/or plug are damaged.
Replace damaged power cables immediately.
8. **CAUTION: Do not operate without proper electrical ground.**
9. Keep inlets and outlet, of the blower, clean and clear of debris.
10. Do not operate without the louvered Filter Panels secured.
11. Stay clear of blower wheel, belts, pulleys and other moving parts that can cause injuries.
12. Utility power supplied, to the equipment, **MUST** match power requirements listed on the System label.
13. Always disconnect power, from the Sanitizer, before performing any maintenance, to prevent unexpected application of power.
14. Read and follow all notices and warnings on the Sanitizer.
15. **SAVE THESE INSTRUCTIONS.**

Product Application: _____

Principle of Operation

Sanitaire™ Room Air Sanitizer units are categorized as germicidal ultraviolet fixtures, which utilize germicidal lamp(s) which are completely enclosed within a stainless steel exposure chamber and are safe for use in a clean, dry environment. The **Sanitaire™** effectively destroys airborne microbes including; bacteria, mold and virus in enclosed spaces.

The **Sanitaire™** Model RSM2680 Room Air Sanitizer consists of; 4 - louvered Filter Panels; 6 - 120v 60Hz, 2 Lamp-Ballasts; 12 - Germicidal Lamps; and a 2680 CFM (in free air) blower; all mounted in a Stainless Steel Frame. Access to the Lamp/Exposure Chamber is gained through 2 interlocked, Access Doors. Fixture operation is monitored from the Front Access Panel.

The **Sanitaire™** Model RSM2680 Room Air Sanitizer is portable, and requires no professional installation. Simply roll the fixture into the area to be treated, and plug into an appropriate power source.

When in operation, air is drawn into the fixture through the four louvered Filter Panels, located around the base of the fixture. The air passes into the exposure chamber, where it is irradiated by 12 germicidal ultraviolet lamps. The air then passes out of the fixture, through the louvered Exhaust Panel, located on the top of the fixture.

Limitations

Safety and maintenance procedures should be implemented to prevent exceeding the ultraviolet radiant exposure incident Threshold Limit Value (TLV) set by the American Conference of Governmental Industrial Hygienists. Currently the ultraviolet radiant exposure incident for unprotected skin or eyes should not exceed 0.2 microwatts per square centimeter (**W/cm²**) at 254 nanometers (**nm**) for an eight (8) hour period.

Installation: _____

Remove the **Sanitaire™** Model RSM2680 fixture from its shipping crate. Inspect the fixture, power cable and plug for damage. Do not operate if there is any damage to the fixture, power cable or plug. All lamps are packed separately, to ensure maximum protection to the lamps. Keep the lamps aside until ready for installation. When installing lamps into the fixture, exercise care not to touch the lamp's glass. Oils deposited, from fingers, on the glass could effect ultraviolet transmission.

Location

The **Sanitaire™** Model RSM2680 fixture is recommended for use in large conference rooms or auditoriums where occupants remain for prolonged periods.

Access to the room does not need to be controlled while the fixture is operating. The Louvered Exhaust Panel of the **Sanitaire™** fixture protects the room's occupants from ultraviolet exposure, by restricting ultraviolet radiation from passing into the room.

Installation

The **Sanitaire™** Model RSM2680 Room Air Sanitizer is completely portable, and requires no professional installation. The Model RSM2680 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.

Operation and Monitoring Controls: _____



The **Sanitaire™** is designed to operate with minimal operator supervision. Fixture operation is monitored and controlled from the Front Access Panel.

3 Position Power Switch: Power to the fixture is controlled by a three position key switch. In the “**OFF**” position, no power is supplied to the blower or the germicidal lamps. In the “**BLOWER ONLY**” position, power is supplied to just the blower and no power is supplied to the germicidal lamps. In the “**LAMPS & BLOWER**” position power is supplied to both the blower and the germicidal lamps.

