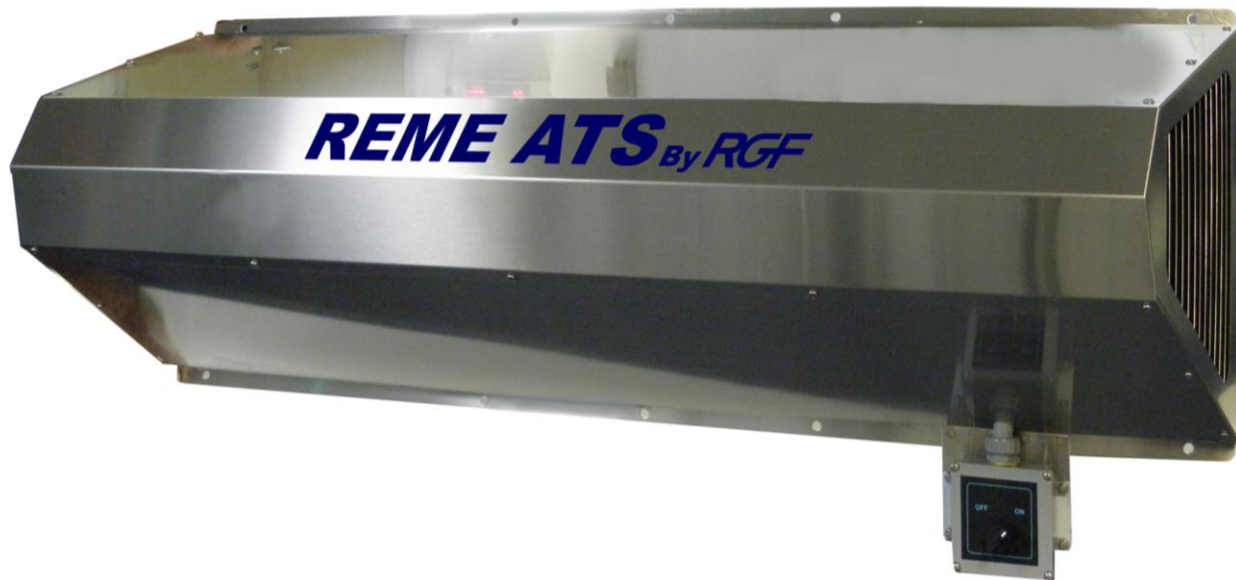




REME ATS

OPERATIONS MANUAL



RGF Environmental Group, Inc.
1101 West 13th Street Riviera Beach FL 33404 USA
Tel: (561) 848-1826 • (800) 842-7771 • Fax: (561) 848-9454

Copyright RGF © 2012

RGF REME ATS

REME ATS

The **REME ATS** Systems are designed to disinfect ambient air by reducing odors, air pollutants, and cold and virus causing germs through UV/O₃ Catalytic Oxidation. The ATS units are wall-mounted systems designed to continually treat room air using the UV/O₃ Catalytic Oxidation Process.

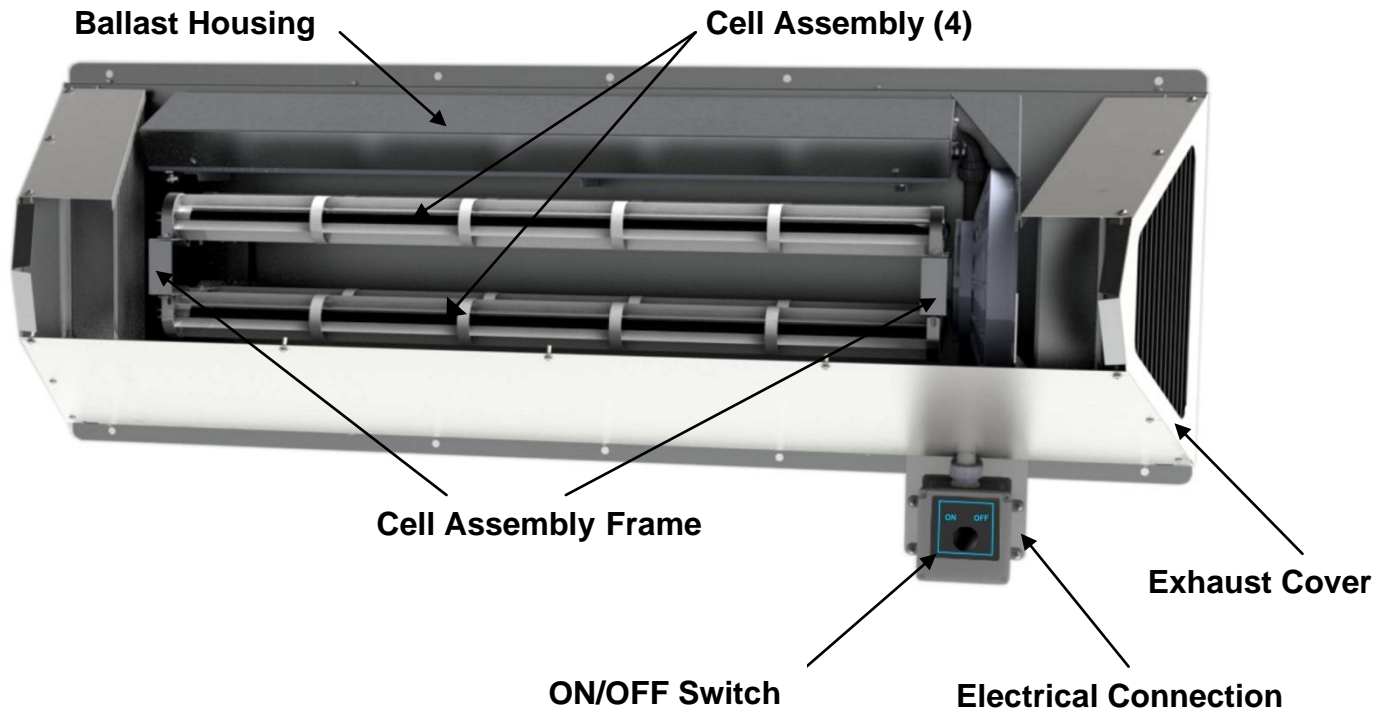
Why use UV/O₃ Catalytic Oxidation?

Germicidal UV light rays have been used for decades by the medical industry as a method for destroying microorganisms (germs, viruses, bacteria). UV light is dependable and can be easily installed. UV light is effective in reducing airborne microorganisms that pass through the light rays. However, germicidal UV light has little to no effect on gases, vapors or odors.

Ozone, on the other hand, is very effective on gases, vapors and odors. However, too much ozone can be a health hazard, and traditional methods of producing ozone (corona discharge) have maintenance problems and create nitric acid and nitric oxide. The combination of ozone (O₃), UV light and humidity develops a catalytic oxidation system that creates and also destroys ozone as well as producing hydroxyl radicals. By engineering the proper light wavelength and a dual function, no maintenance UV/O₃ cell, the **REME ATS** system will not exceed the recommended Federal safety limits for ozone (0.04 ppm) in an occupied room.

Note: The REME ATS System can be customized and calibrated to the unique characteristics of each treated area. This is accomplished through the use of three distinctive types of Cell Assemblies.

With the **REME ATS** Catalytic Oxidation System, micro-organisms can be reduced by 90%, gases and odors neutralized, and the room will have ozone levels no greater than forest air or air after a thunderstorm, which will give the room fresh, clean sanitized and odor-free air. In addition, passive negative ionization will occur to provide airborne negative ions for ongoing purification.



MOUNTING INSTRUCTIONS

Location:

- Each REME ATS unit is capable of treating 12,000 cubic feet.
- Choose the proper number of ATS units based on the total cubic feet of area, which needs to be treated.
- Locate the REME ATS high on a wall (approximately 7' high), positioned in such a way as to provide maximum air circulation to and from the unit.
- Ideally, the unit should be centered on a wall. Avoid placing the unit in corners, or in locations where airflow may be obstructed by cabinets or other similar items.

Installation:

1. Note: Be sure position allows the unit to be mounted to wall studs or equal structure. Once the position has been determined, hold the unit in place and mark the eight (8) mounting holes with a pencil.
2. Pre drill the mounting holes with an 1/8" bit, and secure with #12 Stainless Screws
3. It is recommended the unit be hard wired, using a 1/2" conduit or similar, with a 15 amp, GFI protected circuit. In dry locations, a suitable plug-in type connector is also acceptable.
4. Connect the power source to the existing pigtails per the table below. Be sure the unit is grounded in accordance with local codes.

Power Source	Wire Color	Connect To
110 VAC 60 Hz	Black White Green	L1 Common Ground
220 VAC 50 Hz	Blue Brown Green	L1 L2 Ground
220 VAC 60 Hz	Blue Brown Green	L1 L2 Ground

NOTE: Electrical connections should only be made by a Licensed Electrical Contractor.

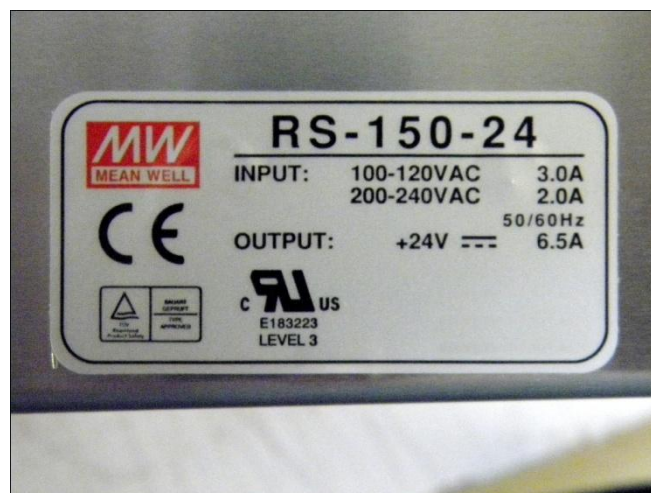
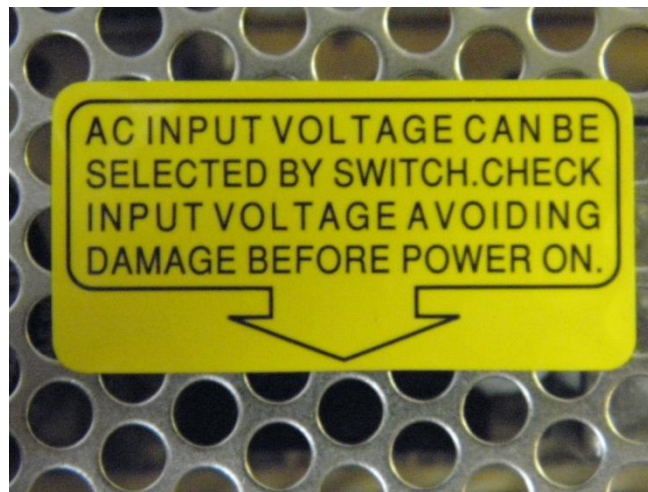
WARNING!! Never look directly at the UV/O₃ light bulb. Looking directly at the light may cause severe eye injury or blindness. Only use approved UV blocking glasses.

NOTE: DO NOT USE UNIT IF POWER CORD IS DAMAGED.

PLUG MUST BE ACCESSIBLE AT ALL TIMES.

WARNING!! The Ventilation fan for the REME ATS unit has a 24 VDC fan motor that is supplied from a switchable 24 VDC power supply. This 24 VDC power supply must be set by the Manufacturer prior to shipment. The customer must specify the power source for the unit so that the 24 VDC power supply can be properly configured before shipment

24 VDC Power Supply



OPERATION

Once the unit has been wired, turn on the unit using the ON/OFF switch located on the lower right of the unit. The air circulation fan will start and a faint blue glow will be visible.

Lifespan: Unit will run continually for as long as needed (up to 10,000 hours, or approximately one year). To ensure optimal performance, replace Cell Assemblies after every 10,000 hours of operation.

RECOMMENDED PARTS

MAINTENANCE PARTS		
Part Description	Part Number	ATS
ATS Cell Assembly #1	SA-ATS-0000	2 Each
ATS Cell Assembly #2	SA-ATS-0100	1 Each
ATS Cell Assembly #3	SA-ATS-7525	1 Each

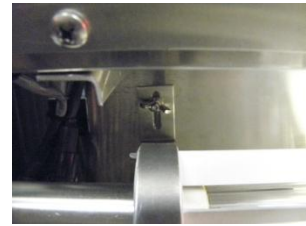
REPLACEMENT PARTS		
Part Description	Part Number	ATS
BALLAST	EL-481	4 Each
FAN	EL-ATS-FAN-022912	1 Each
24VDC PWR SUPPLY	EL-678	1 Each
ON/OFF SWITCH	EL-704	1 Each
FUSE 250V 3AG	EL-706	2 Each
FUSE HOLDER	EL-707	1 Each
CONTACT BLOCK	EL-704-1	2 Each

CELL ASSEMBLY REPLACEMENT

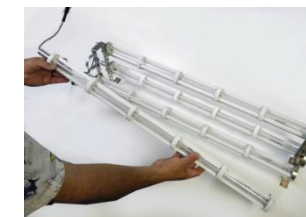
1. Remove screws from the top, bottom and edges of both ATS Covers. Remove Top and Bottom Covers to reveal the Cell Assemblies, Cell Assembly Frame and Ballast Housing.



2. Remove Cell Assembly Frame by unplugging the four Cell Assembly Pigtails, remove wing nuts then slide the Cell Assembly Frame upward and out.



3. Place Cell Assembly Frame on flat surface for disassembly. Carefully remove each cell from clips by loosening each retaining screw and nut, then sliding the cell from under retaining clips. Replace with new Cell Assembly. Reassemble REME ATS unit by reversing Cell Replacement steps.



Limited Warranty

All RGF products are protected by a twelve (12) month limited warranty. **(For international orders only parts are included. Shipping not included.)**

This warranty covers all parts and labor for all products used under normal operating conditions and procedures as described in the owner/operator manual supplied with each product. RGF's obligation under this warranty is limited to the repair, replacement, or return/credit of the unit or component determined by RGF to be defective.

Any misuse, improper operation or installation of any RGF parts or equipment, as determined by RGF, will void any and all warranty claims to the primary component as well as all supporting components. Any repairs, modifications, or services performed by someone other than an RGF authorized technician will void any and all warranty claims to the primary component as well as all supporting components. RGF shall not be liable to the purchaser or others for loss of use of the generator or for other special, indirect, incidental or consequential damages. The RGF warranty policy does not cover shipping and handling charges incurred during the warranty claim process.

Actions that would void the warranty include:

- Allowing water or liquid to enter the system control panel, electrical enclosures or wire pathways.
- Connecting an improper incoming power source to the unit that does not match the incoming power requirements as outlined in the operators' manual.
- Spraying or splashing fluid onto the unit or its components.
- Locating the equipment in an environment that is not well ventilated and/or does not offer a degree of protection from all weather conditions, fluid contact, excessive heat, excessive cold or impacts.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF

Limits of Liability

RGF shall not be liable for any special, indirect, incidental or consequential damages that result from the use or malfunction of the ozone generator and/or any of its components. RGF equipment and components are sold for use in industrial and commercial applications only.

To obtain warranty service, you should contact the factory at (561) 848-1826
800-842-7771 or the part should be shipped postage prepaid to:

RGF Environmental Group, Inc.
1101 West 13th Street Riviera Beach FL 33404 USA

Include a copy of your bill of sale, invoice or receipt of purchase, with an explanation of the problem or defect.

ATS Installation / Startup Record

Model Number _____ Installation Date _____

Serial Number _____ Start-Up Tech. _____

Customer _____

Address _____

Phone () _____ FAX () _____

Contact _____

Names of Trainees	Position	Initials
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

What is Being Cleaned/Disinfected? _____ Hrs. Per Day _____

Did the Unit Have Shipping or Hidden Damage? Yes No .

If Yes, Explain _____

List Any Options/Modifications with this Unit. _____

WARRANTY REQUEST FORM

RETURN AUTHORIZATION NO. _____

CUSTOMER: NAME _____
 ADDRESS _____
 CONTACT _____

DISTRIBUTOR: NAME _____
 ADDRESS _____
 CONTACT _____

UNIT: MODEL _____
 SERIAL _____
 DATE OF PURCHASE _____

ITEM(S) SUBMITTED FOR WARRANTY:

1) _____

2) _____

COMMENTS:

(FOR MANUFACTURER USE ONLY)

DATE ITEM(S) RECEIVED: _____

RECEIVED BY: _____

REPLACEMENT UNIT OR PART SENT

COMMENTS: _____

NOTE: THIS COMPLETED FORM MUST ACCOMPANY ALL RETURNED ITEMS.

SHIP TO:

RGF ENVIRONMENTAL GROUP, INC.
ATTN: CUSTOMER SERVICE DEPARTMENT
1101 West 13th Street Riviera Beach FL 33404 USA
Tel: (561) 848-1826 • (800) 842-7771 • Fax: (561) 848-9454