

OUV-550 Operation & Maintenance Manual

IMPORTANT!!!!

1. Read instructions thoroughly before operating!!

2. After shipping the unit via courier or after rough handling such as falling off a shelf open cabinet by following step 1 of the cleaning instructions. Check to make sure the UV tubes are in place. If the tubes have come out of place, re install them. If they are broken, wearing rubber gloves clean the glass out and replace the tubes.

**CAUTION, THIS OZONE GENERATOR PRODUCES DANGEROUS ULTRAVIOLET LIGHT,
DISCONNECT POWER BEFORE OPENING TO SERVICE**

SPECIFICATIONS FOR OUV-550 Ozone Generator

Maximum output	550: (550 mg/hr)
Fan (rated cfm)	105 cfm
Filter	1 Cleanable foam filters
Cabinet material	PVC outer cabinet with stainless steel inner chassis
Generation method	Corona discharge
Weight and size	10 lbs 23" long x 5 wide x 6 5/8 height (including handle)

INTRODUCTION

This line of ozone generators are designed for various uses. This ozone generator can be used for many uses such as deodorizing cars homes as well as oxidizing many organic contaminants.

WARRANTY (please refer to complete warranty attached)

The 550 is warranted against defects in materials and workmanship for a period of four years from date of purchase. Liability is limited to parts and labor only. Shipping is the sole responsibility of the customer. OZSL is not liable for damage caused by shipping, misuse, neglect or lack of regular maintenance.

LIABILITY

OZSL assumes no responsibility for any damage done to items from the use or miss use of any product sold or manufactured by OZSL. It is the customers responsibility to test materials prior to use and to ensure that the procedure and installation technique they are using is correct for the application.

HEALTH AND SAFETY

Ozone can be an irritant and a powerful oxidizing agent. As with most all products, ozone is dangerous only when used improperly, as such it is important to follow safe usage guide lines.

When doing a shock treatment, no people plants or pets/animals may be in the room when the unit is running.
The room should not be reentered until all ozone has been depleted unless proper breathing respirators are used.

MAINTENANCE FREQUENCY

Under heavy duty use or severely polluted areas, The ozone generator filter should be inspected and cleaned if necessary every 2 to 3 weeks. Inspect the UV tubes for fine dust or residue collecting on UV generator tube surfaces. Light duty use requires cleaning every 2 to 6 months depending on the severity of pollution in the feed air. In dirty conditions cleaning can be as often as 4-6 weeks.

DESCRIPTION OF OZONE GENERATOR

These ozone generators produce ozone by UV light, converting normal oxygen to ozone gas which is a very strong oxidizing agent used to destroy odors and other organic contaminants.

PLACEMENT OF UNIT

This ozone generator is designed as a portable commercial deodorizing device. It uses 120VAC for North America, and 220-240VAC for European countries etc. European models come with an IEC connector and it is up to the customer to supply the proper cord (this can be acquired at any computer shop).

Please note the following points when placing the unit.

- Place on a flat solid surface such as a table or shelf. Do not place on rug flooring to reduce dust entering the unit
- Do not place in an area where the unit could be splashed with water, moisture or in an area that it could get flooded with water.
- Ensure that the unit gets proper fresh air flow. Do not obstruct the incoming or outgoing air from the unit.
- If used in temperatures below freezing, ensure that condensation inside the unit does not occur.
- Set the unit in an area where it will provide the best ozone distribution.
- The use of circulation fan will greatly increase the efficiency of the treatment.

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SETTING OF MACHINE

(Refer to ozone application/usage instructions for more detailed instructions.)

1. This series has controls that feature a On/off switch to power the unit and fan. Ozone production begins when the power switch is turned on or when the timer is set to go on.
2. This unit is designed exclusively for shock treatments.



OUV-550 TUBE REMOVAL & CLEANING INSTRUCTIONS

DISCONNECT POWER BEFORE SERVICING
DO NOT LOOK AT UV LIGHT
DO NOT OPERATE WITH end cap OFF!!

1. Remove the 2 Philips (star) screws from each side of the black end cap from the output end opposite of the handle end as shown. Remove the cap and set it aside



2. Remove the 2 Philips (star) screws from the bottom of the machine at the end that the cap was removed from. These are the 2 screws that are between the rubber feet. Hold the deflector while removing the screws.



3. Using side cutters or strong scissors clip the cable ties that hold the tubes in place and remove the ties.



NOTE that if you plan on shipping the unit these ties **MUST** be replaced.

4. To remove the tube lift the end up out of the stainless support and pull while wiggling the tube back and forth being careful not to break it on the steel supports.



5. Take all the tubes and use an alcohol moistened paper towel or a lightly soap and water moistened paper towel to wipe the tubes down and remove any deposits. If soap water is used then a second wiping with a clean water moistened paper towel will be required to remove the soap.

-Be very careful not to damage the 2 wires that run the length of the tubes

-Note that using alcohol will allow you to use the ozone generator as soon as it is re assembled.

-If water is used for cleaning allow tubes to dry in a warm place for a couple hours, ensure that they completely dry.

6. If dirty, wipe the inside of the unit with an alcohol soaked paper towel.

7. Remove the filter by removing the two Philips screws on the end with the switch and remove the cap.

8. Clean the foam filter with dish soapy water, and rinse thoroughly and allow to dry completely before re installing. Replace the filter placing it back into the the ozone generator and re installing the end cap and screws.

UV 550 TUBE REMOVAL & CLEANING INSTRUCTIONS

10. Replace the tubes by inserting them with the 2 wires that run the length facing the top or bottom of the machine. Wiggle the tube slightly side to side while pushing until the pins are fully in the socket. The tubes are fully in when the supports line up approximately the middle of the ceramic end cap of the UV tube.

Replace the wire ties with new ones, especially if the unit is to be shipped. Note that the wire ties are standard 3 1/2" wire (cable) ties available at your local lumber store.



11. Replace the lid and re install the 2 end cap screws. The unit is now ready for use.