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### **OCO-2700, 4000 & 6800 Operation and Maintenance Instructions**

Read instructions thoroughly before operating!! 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**

**Note:** The OCO series generators must be protected from harsh, wet and/or corrosive environments. The OCO generator will work in humid environments, but not in wet environments where water and moisture is in direct contact with the unit. The unit will rust and corrode if not protected properly. These generators do not include NEMA 4 enclosure and must be installed in a container to protect it from harsh elements.

#### SPECIFICATIONS FOR OCO-2700 - OCO-6800 SERIES OZONE GENERATOR

Maximum output: 2700 :(2700mg/hr) - 4000: (4000MG/HR) - 6800: (6800mg/hr)

Fan (rated cfm): 105 cfm

Filter: 1 Cleanable foam filter

Cabinet Material: Stainless Steel Chassis

Generation method: Ultraviolet light

Weight and size: 2700:20lb /4000:22lb / 6800: 23 lb. - 21" L x 9"W x 7 5/8 H (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 and oxidizing organic contaminants.

#### **WARRANT**

The 2700-6800 is warranted against defects in materials and workmanship for a period of 6 years from the date of purchase. Liability is limited to parts and labor only. Shipping is the sole responsibility of the customer. Ecologix is not liable for damage caused by shipping, misuse, neglect or lack of maintenance.

#### **LIABILITY**

Ecologix assumes no responsibility for any damage done to items from the use or misuse of any product sold or manufactured by Ecologix. It is the customer's 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 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 may be in the room when the unit is running. \*The room should not be re-entered 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 or 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 120 VAC for North America, and 220-240 VAC 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 a circulation fan will greatly increase the efficiency of the treatment.

## **2700 - 6800 operation and maintenance instructions**

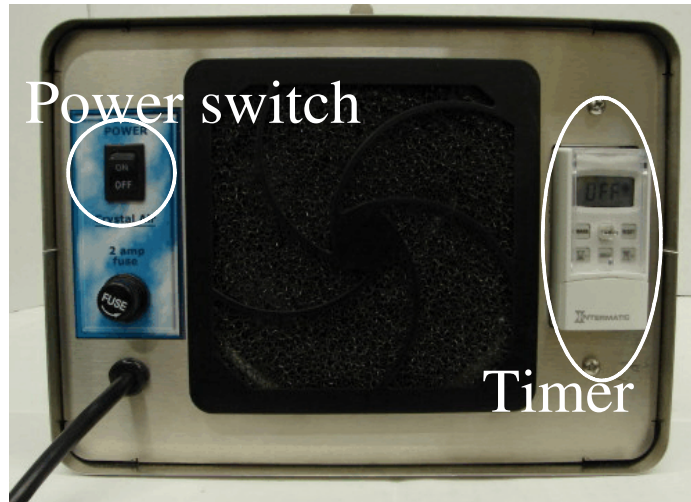
### **SETTING OF MACHINE**

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

**1.** This series has controls that feature an On/Off switch to power the unit and fan, digital timer to control the amount of time the unit runs. 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.**3. TIMER OPERATION**  
Timer simply bypasses the on/off or Hi/Low switch.

To use/set the timer make sure the switch is in the OFF position. Follow the manufacturer's timer instruction for operation.



## **OCO-2700 – OCO-6800 TUBE REMOVAL & CLEANING INSTRUCTIONS**

**DISCONNECT POWER BEFORE SERVICING**  
**DO NOT LOOK AT UV LIGHT**  
**DO NOT OPERATE WITH LID OFF!!**

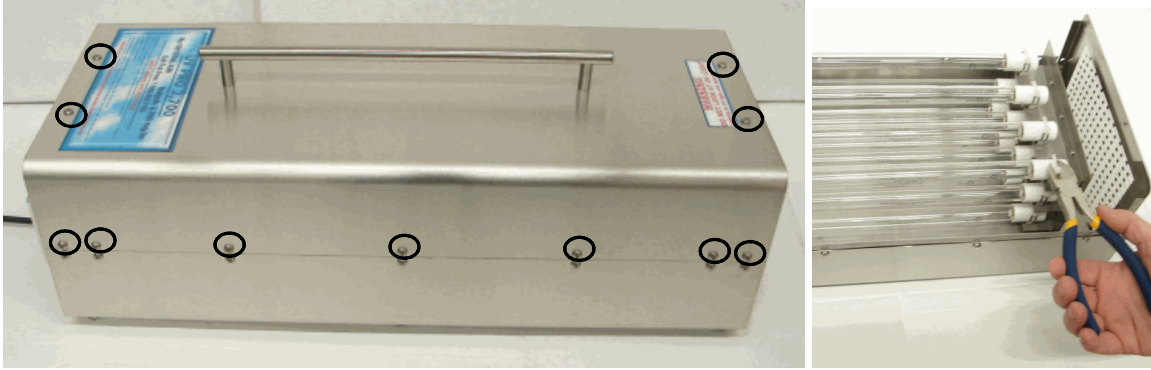
1. Remove the 18 Philips (star) screws from the top lid of the UV machine as shown - 7 on each side and 4 on the top.

Do not remove the lower screws!

2. Lift the lid off as indicated in the image.

3. Clip the 4 cable ties that are holding the tubes in place.

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



4. To remove the tube, lift the end and pull while wiggling the tube back and forth being careful not to break it on the steel support / light guard.

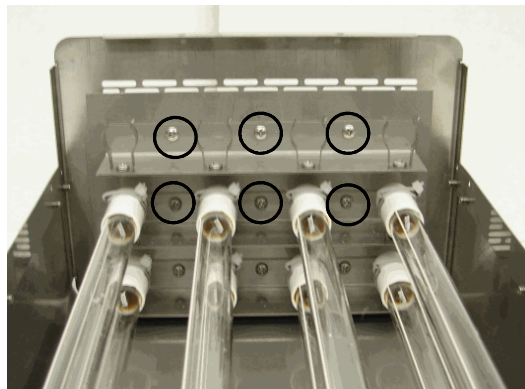
If you have a OCO-2700 go to step 5a.

If you have a OCO-4000 or OCO-6800 go to step 5b.

5a. To remove the lower level of tubes on the OCO-2700 simply remove the ties and tubes as in step 4.

Now go to step 6.

5b. To remove the second and third row of tubes in the OCO-4000 you will need to first remove the tube support brackets after removing the tubes. This bracket is removed by removing 3 screws from each as indicated in the image. Then remove the ties and tubes as in step 4. Now go to step 6.



## **OCO-2700 – OCO-6800 TUBE REMOVAL & CLEANING INSTRUCTIONS**

6. 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.

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

8. Remove the filter by grasping the retaining ring and simply pulling it off of the fan grill.

9. Clean the foam filter with dish soapy water, and rinse thoroughly and allow to dry completely before re-installing. Replace the filter by clipping the retaining ring back on the fan grill.

10. Replace the tubes by inserting them with the 2 wires that run the length facing one side or the other. Wiggle the tube slightly side to side while pushing until the pins are fully in the socket. 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 18 lid screws. The unit is now ready for service.

## **OCO-2700 – OCO-6800 INSTALLATION INSTRUCTIONS**

**FIRST AND MOST IMPORTANTLY, ALL UNITS MUST BE PROTECTED FROM THE ELEMENTS. THE OCO SERIES GENERATORS WILL RUST AND CORRODE IF NOT PROTECTED. THE FOLLOWING WILL SHOW EXAMPLES OF HOW THIS IS DONE.**



Many of our satisfied customers are as satisfied as they are with the OCO Series generators because they bought or built a protective housing for the unit to keep it dry and away from corrosive materials. If this is done, the unit will last a lifetime without rust or corrosion. Here are some sample photographs of a typical installation method using a steel box much like a tool box in the bed of a pick-up truck.

This unit is installed in Anchorage, Alaska. Anchorage is one location that rain and temperatures must be taken into consideration. This installation is for a pump station and was boxed and placed

above ground where accessing the unit is easy. Any dry box such as a large plastic or steel tool box will serve as an exterior housing to keep the ozone generator dry and away from any harsh environment.

The following illustration shows two methods of installing the OCO Series generator. Of course both of these methods must be followed up by placing the unit inside a protective casing or box.

