6800, 4000, & 2800 operation and maintenance instructions

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 6800-4000-2800 SERIES ozone generator

Maximum output	6800:(6800mg/hr) / 4000:(4000mg/hr) / 2800:(2800mg/hr)
Fan (rated cfm)	105 cfm
Filter	1 Cleanable foam filter
Cabinet material	Stainless steel chassis
Generation method	Ultraviolet light
Weight and size	6800:21lb / 4000:20lb / 2800:19lb - 20" long x 9 wide x 7 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 2700-4000 is warranted against defects in materials and workmanship for a period of 6 years from date of purchase. Liability is limited to parts and labor only. Shipping is the sole responsibility of the customer. CAMI is not liable for damage caused by shipping, misuse, neglect or lack of regular maintenance.

LIABILITY

CAMI assumes no responsibility for any damage done to items from the use or miss use of any product sold or manufactured by CAMI. 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 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 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.

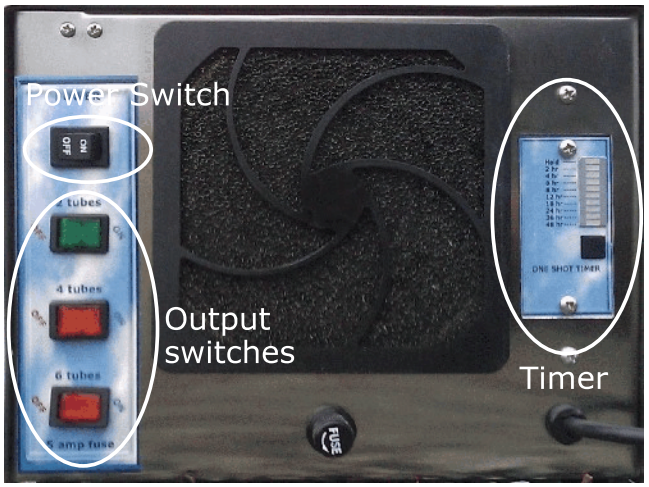
-The use of circulation fan will greatly increase the efficiency of the treatment.

6800, 4000, & 2800 operation and maintenance instructions

SETTING OF MACHINE *(Standard controls)*

This switch setup is designed for shock treating using the provided one shot shock treatment timer or daily/weekly shock treatments using the 7 day timer if ordered.

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



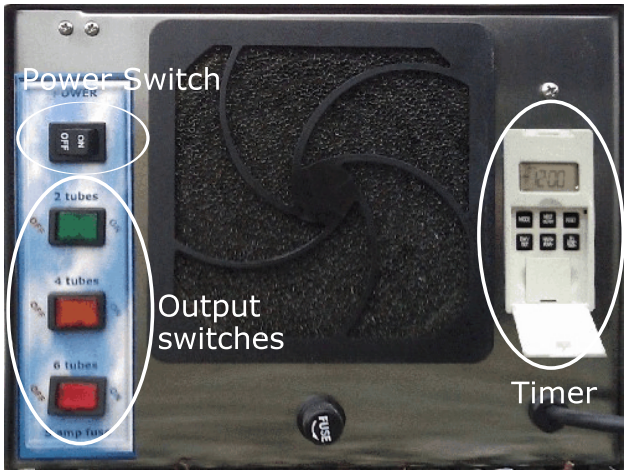
1. This series has controls that feature an On/off switch to power the unit and fan, a one shot timer to control the amount of time the unit runs for, as well as 3 switches for controlling output in 5-7 steps (depending on model). Ozone production begins when 1, 2, or all 3 output switches, and either the power switch or the timer is set to on. (Note, Do not turn on the power switch and the timer at the same time)
2. The output switches control the output of the ozone generator by turning only some lamps on. The 2800 has 5 UV tubes, switch 1 turns on 1 tube, switch 2 turns on 2 tubes. The 3rd switch turns on the remaining 2 UV tubes. This allows for operation at 5 different output settings. The 4000 has 7 UV tubes, switch 1 turns on 1 tube, switch 2 turns on 2 tubes. The 3rd switch turns on the remaining 4 UV tubes. This allows for operation at 7 different output settings. The 6800 also have 3 output switches, the first switch turns on 2 UV tubes, the second switch turns on 4 UV tubes, the third switch turns on the remaining 6 UV tubes. This allows 6 different output settings.
3. This unit is designed exclusively for shock treatments.
4. 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 manufacturers timer instruction for operation.

SETTING OF MACHINE *(W optional Split switch controls with 7 day timer)*

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



1. This series has controls that feature a master On/off switch to power the unit and fan, a digital timer to control the amount of time the unit runs for each day and has 7 on and 7 off settings per day. There are also 3 UV tube control switches under the power switch, these switches allow you to control wether the UV tubes are on continual operation or timed operation. To run continual set switches to “Hold”, to run the tubes on timed operation set the switches to “Timed”.

Examples: (1) If you turn the “2 Tubes” switch to the “Hold” position, and the “4 Tubes” and “6 Tubes” switch to the “Timed” position then you will have 2 tubes working continually and 10 tubes working on the timer.

(2) If you turn the “4 Tubes” switch to “Hold” and turn “2 Tubes” switch to “Timed” then 4 tubes will run continually, and 2 tubes will operate on the timer and the 6 tubes will not run at all.

2. This unit is designed to allow some UV tubes to run constantly and also allow the rest to be turned on by a timer for shock treatments.
3. TIMER OPERATION

Follow the manufacturers timer instruction for operation.

UV 2700 & 4000 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 form 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 UV 2700 go to step 5a.

If you have a UV 4000 go to step 5b.

5a. To remove the lower level of tubes on the UV 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 UV 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.

UV 2700 & 4000 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.