

# AOT-MD-500

## Instructions for Use



## INTRODUCTION

Thank you for purchase this ozone generator! This model uses the latest Quartz and Titanium Tube technology which is best for medical treatment. We are committed to providing you quality ozone products and we believe in the importance of providing equipment made from 100% ozone resistant materials .If you have any questions or concerns, please feel free to contact us.

The machine intended to create ozone gas for use in your setting.


Please read all instructions before operating this device.

## PART 1: SAFETY

### **General Safety Information:**

Use the following safety guidelines to help ensure your own personal safety and to help protect your equipment and working environment from potential damage.

Do not attempt to service the equipment yourself if get a serious quality problem, ask your distributor or manufacturer suggestion before maintenance.

 **Warning:** Do not allow ozone to go into the room as breathing high concentration ozone will be harmful to your health.

### **When setting up your equipment**


- Place the equipment on a hard, level surface.
- Do not place the equipment in an enclosed space or install it where it is subject to heated air. Restricting air flow can damage the equipment or cause overheating.


### **When operating your equipment**


- Do not allow water to enter into equipment or will destruct.
- Do not use damaged equipment if it exposed, frayed or damaged power cords.
- Do not push any objects into the air vents or openings of your equipment. Doing so can cause fire or electric shock by shorting out interior components.
- Contact your vendor or the manufacturer if your equipment does not function correctly.

### **Treatment Safety Information**

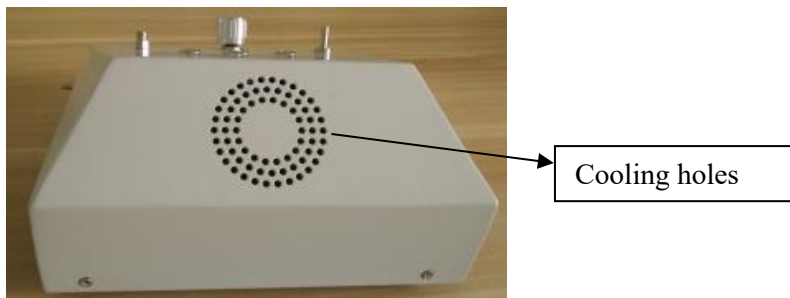
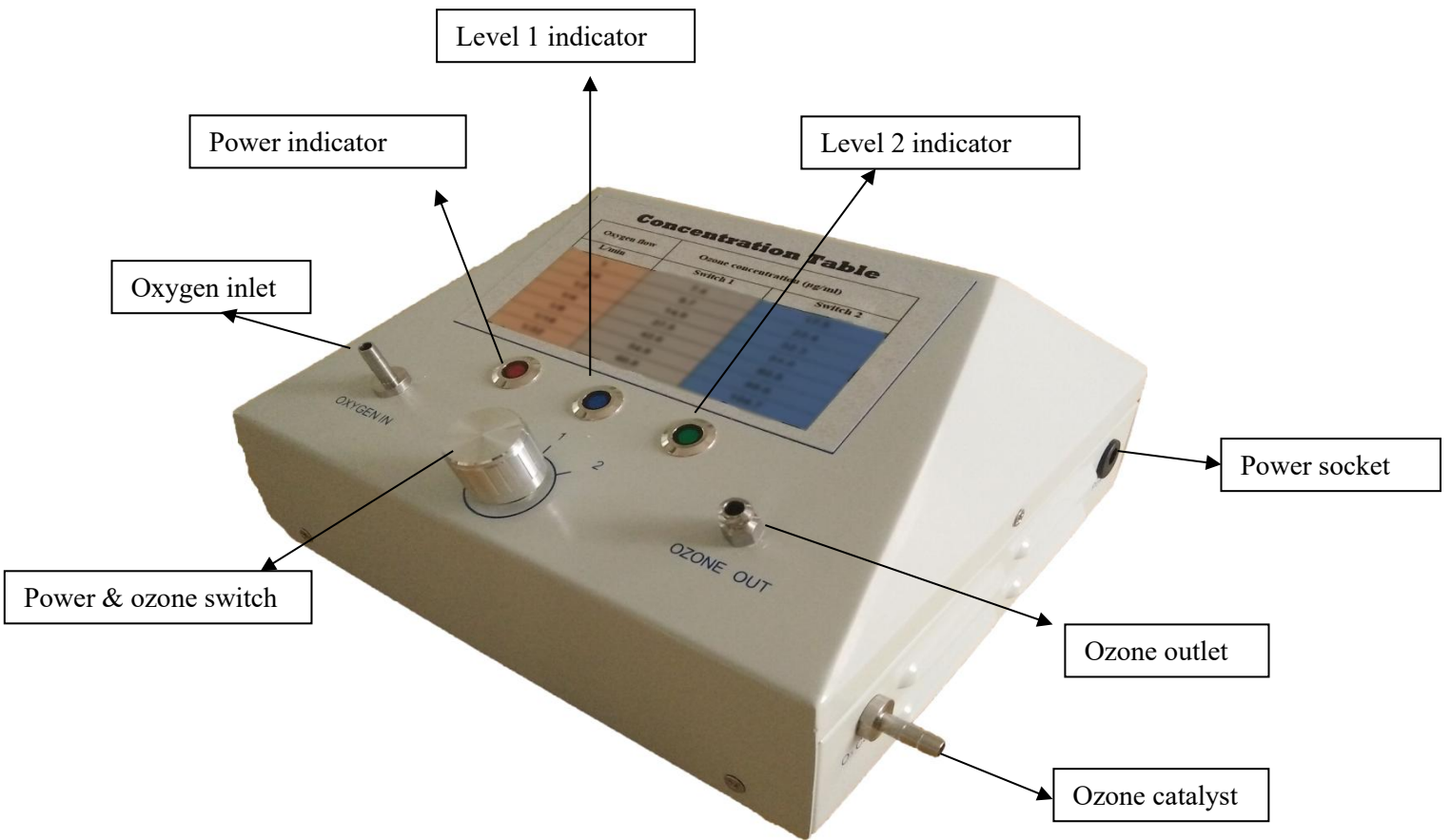
**ALL TREATMENTS SHOULD BE ADMINISTERED BY A LICENSED INDIVIDUAL WHO HAS BEEN TRAINED IN THE PROPER TECHNIQUES\*.**

 **Warning:** Air embolism can cause serious injury or death! Be sure that ozone/O<sub>2</sub> is not injected into the veins.

 **Warning:** When ozonating oil, user must be careful not to allow oil to enter into the tube. Oil which travels into the ozone generator can cause a fire hazard! Remove and clean tube thoroughly immediately after oil ozonation process.

 **Caution:** A reliable diffuser is needed for generate ozonated water.

## PART2:ANATOMY



## PART3: SET UP

After you have taken all items out of their packaging, ensure that you have everything that you ordered.

Ozone generator	1pc
Power adaptor	1pc
Male luer lock	1pc
Oxygen tube	2 meters
User manual	1pc
3 ways vlave connector	1pc

**⚠ Caution:** To make your ozone generator work, you should have oxygen cylinder and oxygen regulator.

### **Ozone generator**

- Place the machine on a dry flat that away from water and fire
- Plug the unit in, Red light on, keep the machine warm up for 5 minutes before connect with the O2 cylinder
- Mount the oxygen regulator to the oxygen cylinder , connect the oxygen outlet on the regulator with oxygen inlet on the machine via silicone tube
- Set up the gas flow rate of the O2 regulator and open the cylinder valve
- You are now ready to create 100% pure ozone gas by adjust the ozone switch
- You can deal the excess ozone by connecting with the ozone catalyst inlet at side of the machine

### **Oxygen Cylinder & Regulator**

Unique regulator type for different cylinder and valve . Although all the cylinders are refilled with the same grade oxygen, we recommend that you use a medical oxygen cylinder.

### **To set up your oxygen cylinder:**

1. Slide your regulator over the stem so that the holes line up properly
2. Hold the regulator in place and turn the metal handle to secure the regulator to the cylinder stem.
3. Once the regulator is securely seated, open the cylinder valve and verify that there are no leaks. You can open the regulator by turning the plastic click-knob on the end. Then close the valve after check.
4. Connect the oxygen tube to the regulator barb and use the clamp provided to secure it.
5. The other end of the oxygen tube can then be inserted into the back of the ozone machine

Normally we used the below 2 types of cylinder and regulator:



If your tank looks like this you need an 870 regulator



870 Regulator



If your tank looks like this you need an 540 regulator



540 Regulator

2.Connect with oxygen concentrator

**Do not add water to the oxygen concentrator!**

**The ozone machine needs pure, dry oxygen**



## PART4:OPERATION

- Before you create ozone, you need to decide the concentration you want. Once you select a concentration number you want ,you will then rotate the switch and adjust regulator accordingly. Here is the ozone concentration chart:

Oxygen flow L/min	Ozone concentration (µg/ml)	
	Switch 1	Switch 2
1	12.6	15.8
3/4	15.9	21.6
1/2	22.0	37.3
1/4	39.7	51.1
1/8	62.8	72.8
1/16	82.5	89.9
1/32	86	92.5

Here is a simple operation for your reference:



1. Apply your syringe or appropriate item to the Ozone Output
2. Your syringe will start to fill up once the oxygen is flowing. Simply allow it to fill to the desired volume then quickly switch the oxygen off. Sometimes a new syringe can be stuck. When you open a new syringe, pull the plunger back 1 cc or so.
3. Turn the switch to 0 to off the machine and turn the 3 way stopcock valve to deal the excess ozone.

## **PART5: MAINTENANCE**

### **Cleaning**

You can wipe down the exterior of the machine using a damp cloth. Be sure not to use excess water or to get any water on the unit.

### **Ozone quartz tube & Ozone catalyst**

If you find the ozone quartz tube is cracked or ozone catalyst is in low efficiency, you can easily replace it and contact us for replacements.

## **PART6: WARRANTY**

Your machine has one (1) year warranty from the date we ship. If you have any problem at all within a one year period after the purchase of your machine, we will repair it or if necessary, replace it.