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# Aqua-6

# Operating Manual



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# Important Safety Information

- Any deviation from the operating manual or induced malfunction such as water damage, or continuous operation of the ozone generator is not covered by the terms of the warranty.
- This unit is not made for continuous operation.
- Do not run the unit without a 15-30 minute pause between run times.
- Place the ozonator higher than the water level to avoid water backing up in the unit, which will cause damage and electrical shock.
- Place stone diffusers no more than 4 inches deep in water.
- Be sure to turn the unit off after each use.
- Do not cover the air inlet on the back of the unit.
- Do not cover the ozone outlet on the bottom of the unit.
- Store the Aqua-6 in a cool, dry area when not in use.
- Do not take the ozone generator apart because mechanical failure may result.
- Return the unit directly to the manufacturer if malfunction occurs.
- Do not breathe in ozone directly.
- A2Z Ozone does not recommend this machine for medical use.

**NOTE:** The Aqua-6 is NOT a universal voltage input. To prevent damage, check the unit voltage input before plugging in the unit.

In Accordance With California Regulations – This Ozone Generator is Solely for Industrial Use and Must Be Installed by a Professional.  
Potential Health Hazard: Emits Ozone.

# Technical Specifications

## Items Included:

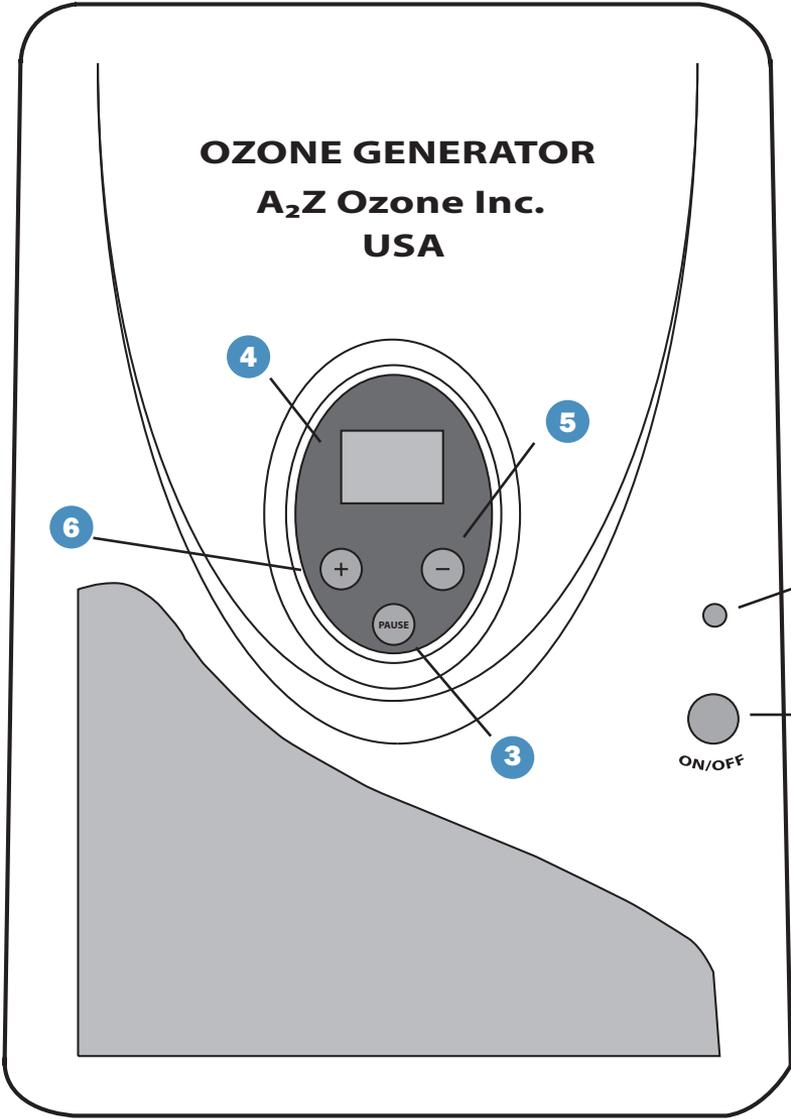
1. Aqua-6 Multi-Purpose Ozone Generator
2. Aqua-6 Multi-Purpose Ozone Generator operating manual
3. Two sets of long tubes for ozonation (each 36 inches long)
4. Two short spare tubes for internal replacement if needed (1.75” and 2.75”)
5. Fine white diffuser stone
6. Course gray diffuser stone
7. Spare fuse

<b>Aqua-6 Specifications</b>	
<b>Power Input</b>	110 VAC 50/60 Hz (10W) or 220/240 VAC 50/60 Hz (12W)
<b>Ozone Output</b>	600 mg/hour
<b>Weight</b>	0.865 kg or 1.7 lbs
<b>Dimensions</b>	270 L x 190 W x 75 H (millimeters) 11 L x 8 W x 3 H (inches)

# Aqua-6 Features

<b>1</b>	<b>Light</b>	Indicates when the unit is running. When it is in operation, the light will remain solid red.
<b>2</b>	<b>On/Off Button</b>	Use to turn the unit on and off. When on, the red light will illuminate red.
<b>3</b>	<b>Pause Button</b>	Use to pause the unit when it is in operation. The LED will hold the previously selected function and the time remaining until the Pause Button is pressed again.
<b>4</b>	<b>LED Screen</b>	Displays function setting selected and operation time remaining after the Aqua-6 begins producing ozone. The ozone production will start 10 seconds after the selection is made on the LED screen.
<b>5</b>	<b>Minus (-) Button</b>	Use to select desired function setting from the timer function table on page 6. The Minus Button will move the function number down sequentially.
<b>6</b>	<b>Plus (+) Button</b>	Use to select desired function setting from the timer function table on page 6. The Plus Button will move the function number up sequentially.
<b>7</b>	<b>Ozone Outlet</b>	Where the PTFE tubing is attached to the unit. One end of the ozone supply tubing is attached to the ozone outlet on the Aqua-6 unit, while the other end is attached to a diffuser stone.
<b>8</b>	<b>Power Cord</b>	Where the electrical cord is attached to the unit. Wait for the air compressor to automatically shut off after each function before unplugging the unit.

**OZONE GENERATOR**  
**A<sub>2</sub>Z Ozone Inc.**  
**USA**



# Timer Functions

<b>Function #</b>	<b>Description</b>
<b>1</b>	Run 2 minutes and turns off, one time run only
<b>2</b>	Run 5 minutes and turns off, one time run only
<b>3</b>	Run 10 minutes and turns off, one time run only
<b>4</b>	Run 15 minutes and turns off, one time run only
<b>5</b>	Run 20 minutes and turns off, one time run only
<b>6</b>	Operates for 2 minutes every hour, repeats every hour
<b>7</b>	Operates for 5 minutes every hour, repeats every hour
<b>8</b>	Operates for 10 minutes every hour, repeats every hour
<b>9</b>	Operates for 15 minutes every hour, repeats every hour
<b>10</b>	Operates for 20 minutes every hour, repeats every 4 hours
<b>11</b>	Operates for 2 minutes every 4 hours, repeats every 4 hours
<b>12</b>	Operates for 5 minutes every 4 hours, repeats every 4 hours
<b>13</b>	Operates for 10 minutes every 4 hours, repeats every 4 hours
<b>14</b>	Operates for 20 minutes every 4 hours, repeats every 4 hours
<b>15</b>	Operates for 30 minutes every 4 hours, repeats every 4 hours

# Operating Instructions

- Plug the Aqua-6 into an electrical outlet.
- Attach one end of the ozone supply tubing (36-inches long) into the ozone outlet at the bottom of the generator and attach a diffuser stone onto the other end of the tube.
- Extend the tubing so that the diffuser stone and the Aqua-6 are as far apart as possible.
- Push in the main power switch located on the face of the unit to the ON position.
- The red light above the main power button will illuminate.
- The LED will indicate 00 while blinking.
- Use the plus (+) and minus (-) buttons to select the function setting from the table on page 6 for your desired application time.
- Operating times will vary according to the size of the room or amount of water being treated.
- The Aqua-6 will start 10 seconds after a setting is selected on the LED screen.
- Once the generator starts producing ozone, the LED changes to display the time remaining for the setting you have chosen.
- Once the cycle is complete, the LED screen will change back to the setting number for one-time run settings.
- Once a repeat cycle is complete, the LED screen will show the count down until the next cycle.
- Remember, settings 1 through 5 are a one-time run setting.
- Settings 6 through 10 continuously repeat the cycle every hour.
- Settings 11 through 15 continuously repeat every 4 hours.
- To pause a setting, simply press the pause button below the LED screen.
- The LED will hold the previously selected function and the time remaining until the pause button is pressed again.
- Press the plus (+) or minus (-) buttons to select another function
- Keep in mind, only run another function on the Aqua-6 after a cooldown cycle. This unit is not made for continuous use.

- Repeat cycles will include a cooldown cycle in the operation of the unit.
- After the function is complete, the air compressor will run for 10 seconds and then automatically shut off.
- Please allow the air compressor to shut off and then unplug or cut power to the unit.
- This will allow the ozone to purge out and will prolong the unit's operating life span.
- The unit is now powered down and ready for storage or transport.

**NOTE:** This unit is not made for continuous operation. Do not intentionally run the unit without a 15 minute pause in between each run time.

# Water Applications

At the right levels, ozone is a safe and effective way to treat water. Our units produce different concentrations of ozone for disinfection and removal of impurities. This can include residual chlorine, heavy metals, and general clarification. For all water applications, place the diffuser stone of your choosing in the water to be ozonated.

Attach one end of the ozone supply tubing (36-inches long) into the ozone outlet at the bottom of the generator and attach a diffuser stone onto the other end of the tube. Be sure to extend the tubing so that the diffuser stone and the Aqua-6 are as far apart as possible.

**NOTE:** If the diffuser stone is placed more than 4 inches deep in the water, the air compressor pressure and water pressure will equalize. If this happens, it will damage the internal tubes of the unit.

## **6 oz - 12 oz Glass**

- Set on Function #1
- The unit will run for 2 minutes
- Ozone half-life is 30 minutes
- Do NOT drink water immediately unless directed by a medical professional
- Ozone dissipates within 30 minutes
- Water will still be clear of bacteria and pathogens after ozone dissipates

## **1 Gallon Glass Jug of Water**

- Set on Function #5
- The unit will run for 20 minutes
- Do NOT drink water immediately unless directed by a medical professional
- Ozone dissipates within 30 minutes
- Water will still be clear of bacteria and pathogens after ozone dissipates

## **American Standard Bath Tub**

- Set on Function #15

- The unit will run for 30 minutes
- Open a window or circulate air flow in the room with a fan
- Do not sit in the bath while the unit is running
- Only take ozonated baths if directed by a medical professional

### **Treatment of Fruits & Vegetables**

The shelf-life of fruits and vegetables can be extended by ozone treatment. The produce will retain a more attractive appearance and fresher taste.

- Ozonate a 1/2 gallon or 2 liters of water
- Set on Function #3
- The unit will run for 10 minutes
- Let produce sit in ozonated water for 30 minutes

### **Treatment of Meat Products**

Rinse and soak meat and poultry in ozonated water to kill salmonella, E. coli and other harmful microbes, as well as to neutralize residual hormones. The preservation time of ozone treated meat products is increased by 2 to 5 times. Rinse and soak fish in ozonated water to kill microbes and remove fishy odor.

- Ozonate 3 liters of water
- Set on Function #4
- The unit will run for 15 minutes
- Let meat product sit in ozonated water for 30 minutes

### **Treatment of Cooking Utensils**

Soak cooking utensils to eliminate bacteria. For utensils, rinse off any food debris and treat in clean water with ozone.

- Ozonate 3 liters of water
- Set on Function #4
- The unit will run for 15 minutes
- Let utensils sit for 30 minutes in ozonated water

### **Fish Tank**

The Aqua-6 can be used to keep fish tank water clean and odor free.

- These guidelines are for a typical sized fish tank:
- Set the Aqua-6 on Function #6

- This will run the unit for 2 minutes every hour
- Additionally, this function repeats every hour to keep tanks hassle free
- For a larger tank, increase the amount of time the unit runs each hour

### **Disinfect Toothbrush, Dentures, etc.**

One way to promote gum health and prevent the spread of harmful bacteria and microorganisms is to soak the toothbrush or dentures in ozonated water. This simple process will eliminate germs and bacteria that cannot be eradicated with hot water alone.

- Ozonate 8 ounces of water
- Set on Function #1
- The unit will run for 2 minutes
- After use, soak the toothbrush or dentures in ozonated water for 3 minutes

### **Gargling Ozonated Water**

Gargling with ozonated water daily is one way to promote good dental hygiene. First brush your teeth. Next, gargle with ozonated water created with the Aqua-6. Gargling with ozonated water has been proven to kill the microorganisms that lead to bad breath.

- Ozonate 4 ounces of water
- Set the Aqua-6 on Function #1
- The unit will then run for 2 minutes
- Gargle the ozonated water and say goodbye to bad breath

### **Spa & Pool Treatment**

The Aqua-6 can be used on spas, hot tubs and wading pools up to **500 gallons**. This allows chemical usage to be reduced significantly. Limit dry skin, red eyes, faded suits or green hair that is the result of chlorine exposure. Ozone is pH neutral, so it will not adversely impact the acid or alkaline balance of the water. It is more cost effective than traditional chemicals and leaves no undesirable smell behind.

Continuous operation (10 to 20 minutes; **Function #9** or **Function #10**) is the most economical treatment method for spa water, fountains and larger bodies of water up to 500 gallons.

- The Aqua-6 must be sheltered from direct exposure from the elements (rain and water).
- Place the unit at least five feet from the spa or water enclosure and at least 12 inches above the maximum water level.
- Ensure that the location is out of the reach of children or anyone in the water.
- Connect the ozone supply tube to the ozone outlet at the bottom of the unit.
- If the ozone supply tubing is too long, trim it with household scissors or a razor knife.
- Place the white diffuser stone 4 inches into the body of water.
- Place the diffuser stone near the center of the body of water for maximum ozone saturation.
- Plug the Aqua-6 into a ground fault circuit interrupter (GFCI) protected outlet.
- Turn the unit on and set it to the desired program function.
- The Aqua-6 will then begin functioning in 10 seconds.

**NOTE:** For greater volumes of water, see our larger output ozonators at [www.a2zozone.com](http://www.a2zozone.com)

# Air Applications

The Aqua-6 can be used for general air applications with the programmed timer functions. Mount the Aqua-6 on the wall and choose to release ozone periodically into the air for a hands-free air treatment. This can be particularly useful for pet odor, smoke odor or food odor. Additionally, the unit can be used to keep rooms smelling fresh.

<b>Room Size</b>	<b>Function</b>	<b>ON Time</b>	<b>OFF Time</b>
100 square feet	5	20 minutes	One time only
200 square feet	10	20 minutes	Repeat 2 times
300 square feet	10	20 minutes	Repeat 3 times

\*Square footage is based on an 8-foot ceiling

## **Second Hand Smoke**

Second hand smoke penetrates all kinds of surfaces and settles on them. Ozone oxidizes those harmful substances found in second hand smoke.

Ozone will remove the second hand smoke odors from clothing by actually oxidizing them, which eliminates the odor for good.

- Make an ozone box or bag to ozonate smaller objects.
- For example, a plastic tote can be used to create an ozone bag.
- Cut a hole for the exhaust of the unit to fit in and another for excess gas to escape.
- Place the smoky garments inside.
- Use Function #5.
- This will run the unit for 20 minutes one time and then shut off.
- If you can still smell the smoke odors, repeat the process.

- Only repeat the process after the unit completes the required cooldown cycle of 15 minutes.
- Continuous operation of the Aqua-6 will damage the internal components

### **Car Odors**

Follow this step-by-step guide to perform an ozone treatment for any car. Ozone treatment will eradicate unpleasant odors leaving your vehicle smelling fresh.

- Before beginning, place the vehicle near a power outlet or have an extension cord that is capable of reaching the vehicle.
- First, crack the passenger window far enough for the power cord to fit in.
- Then, place your unit on the passenger front floorboard.
- Next, turn your car A/C on with recirculation turned on.
- Choose Function #5.
- This will run the Aqua-6 for 20 minutes and allow the car to circulate the ozone through the cooling system to help oxidize smells and allergens in the cooling vents.
- After the ozonation process is complete, wait 30 minutes for the ozone to dissipate.
- The car should be smelling fresh now, but if you can still smell the odors you were trying to eliminate, repeat the process.
- Only repeat the process after the unit completes the required cooldown cycle of 15 minutes.
- Continuous operation of the Aqua-6 will damage the internal components.

# Maintenance

## Fuse Change

- Make sure the unit is off and unplugged.
- Remove screws from the back of the unit.
- The fuse is located under a small, black plastic piece on the yellow board.
- You will need to apply some pressure to open the area where the fuse is located.
- Remove the fuse.
- It may be necessary to pull slightly.
- Place the new fuse where the old one was.
- Press down until you hear it click into place.
- Close the compartment where the fuse is stored.
- When you hear it click, you will know it is secured.
- Close the back of the unit and put the screws back in place.
- Make sure to put the black feet onto the back of the unit.
- The feet help keep the unit from rattling when it is on flat surfaces.
- The fuse has now been successfully changed.

## Replacing Internal Tubes

If the diffuser stone is placed more than 4 inches deep into water, the air compressor pressure and water pressure will equalize. If this happens, it will damage the internal tubes.

When the unit is working but does not produce ozone, you may need to unplug the unit and open the back case to check for damage to these two internal tubes.

- Unplug the unit before beginning.
- Open the 6 screws on the back of the Aqua-6.
- Four of the screws are located under soft pads.
- The two additional screws are located in the center.
- Check inside the unit for damage to the tubes.
- If the tubes are cracked, ruptured or have become hardened,

they will need to be replaced.

**NOTE:** When replacing the internal tubes, do not remove any electrical wire ties. Any loose wires inside the unit will cause damage to the unit or will cause an electrical short.

# Troubleshooting

<b>Problem</b>	<b>Possible Cause</b>	<b>What to Do</b>
No Power	Check fuse	Open up the unit and check to see if the fuse is fully seated. The fuse is located on the main control board.
	Check wiring	Sometimes cords can vibrate loose in shipping or by the air pump. Make sure all wires look connected.
No Ozone	Bad ozone board	After a lot of use, the ozone board will fail. The air pump will still work, but won't produce any ozone. Sometimes this creates a burning smell. To fix the ozone board, purchase the <a href="#">Aqua-6 repair kit</a> .
	Bad air pump	You will still hear the high voltage pitch, but no air will be flowing through the unit. Order a new air pump in the unit's correct voltage.
	Bad high-low transformer	If your transformer goes bad then you won't have air pressure or ozone production. Only the control panel will be working. <a href="#">Contact us</a> for a replacement part.

# Warranty

## A2Z Ozone Systems Inc. - ONE YEAR LIMITED WARRANTY

The limited warranty set forth below applies to products manufactured by A2Z Ozone Systems Inc. - and sold by A2Z Ozone Systems or its authorized dealers. This limited warranty is given only to the first retail purchaser of such products and is not transferable to any subsequent owners or purchasers of such products. A2Z Ozone warrants that it or its authorized dealers will repair or replace, at its option, any part of such products proven to be defective in materials or workmanship within ONE (1) year from the date of retail purchase of such products. (All parts) ANY REPAIR OR REPLACEMENT WILL BE WARRANTED ONLY FOR THE BALANCE OF THE ORIGINAL WARRANTY PERIOD. NOTE: USE ONLY A2Z Ozone AUTHORIZED REPLACEMENT PARTS. USE OF ANY OTHER PART(S) WILL AUTOMATICALLY VOID THIS WARRANTY. THIS LIMITED WARRANTY DOES NOT INCLUDE ANY OF THE FOLLOWING:

- (a) Any labor charges for troubleshooting, removal, or installation of such parts;
- (b) any repair or replacement of such parts necessitated by faulty installation, improper maintenance, improper operation, misuse, abuse, negligence, accident, fire, repair material, and/or unauthorized accessories;
- (c) Any such products installed without regard to required local codes and accepted trade practices;
- (d) ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE, AND SUCH WARRANTIES ARE HEREBY DISCLAIMED: AND
- (e) A2Z Ozone SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR LOSS OF USE OF SUCH PRODUCTS, LOST PROFITS,

DIRECT DAMAGES, INDIRECT DAMAGES, CONSEQUENTIAL DAMAGES AND/OR INCIDENTAL DAMAGES.

TO OBTAIN WARRANTY SERVICE

Contact A2Z Ozone, 1844 Cargo Court Louisville, KY 40299, USA

Customer Service Number: +1 502-499-4977.

When filing a claim, you must provide:

- 1) Your name, mailing address and telephone number
- 2) The selling dealer's name
- 3) Proof of date of purchase
- 4) The date of failure
- 5) A description of the failure.

After this information is provided, A2Z Ozone will release a RETURN GOODS AUTHORIZATION (RAN) NUMBER. After receiving the RAN number the part in question must be returned to A2Z Ozone, freight prepaid, with the RAN number clearly marked on the outside of the package. All preauthorized defective parts must be returned to A2Z Ozone within thirty (30) days. Under no circumstances may any product be returned to A2Z Ozone without prior authorization. You must call or write prior to returning product or your returned goods shipment will be refused. Upon receipt of preauthorized returned goods, A2Z Ozone will repair or replace, at its option, the defective product(s) and return them (shipping is prepaid for units under warranty for USA customers only). Buyer's acceptance of the product and use thereof constitutes acceptance of these terms.

**A2Z Ozone WARRANTY REGISTRATION CARD**

This information can be also send by EMAIL to us. Please provide ALL pertinent information and send within twenty (20) days to: service@a2zozone.com

Otherwise, please fill out completely and return to A2Z Ozone by post within twenty (20) days of purchase.

**Customer Info:**

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone ( \_\_\_\_ ) \_\_\_\_\_

**Dealer Info:**

Dealer Name \_\_\_\_\_  
Dealer \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone (    ) \_\_\_\_\_

**Purchase/Product Info:**

Purchased Date: \_\_\_\_\_ Date  
Installed \_\_\_\_\_  
Product Purchased: **AQUA-6 OZONE GENERATOR**

**Comments / Questions:**

**DO NOT FORGET TO CUT OUT, PLACE IN ENVELOPE AND MAIL TO THE FOLLOWING ADDRESS FOR INSTANT WARRANTY COVERAGE!**

**A2Z Ozone Systems Inc.**

**ATTN: Warranty Dept.  
1844 Cargo Court**

**Louisville, KY 40299, USA**