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Aqua-8

Operating Manual



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Important Safety Information

READ AND FOLLOW ALL INSTRUCTIONS

- Any deviation from the operating manual or induced malfunction such as water damage or continuous run 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 and 2 inches deep in oil.
- 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-8 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 device for medical use.

NOTE: The Aqua-8 is NOT a universal voltage input. To eliminate damage, be sure to check the unit voltage input before plugging in the unit. If the plug type is U.S., the unit is 110 VAC, if the plug type is EU/UK/AS, the unit is 220/240 VAC.

PLEASE SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

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.

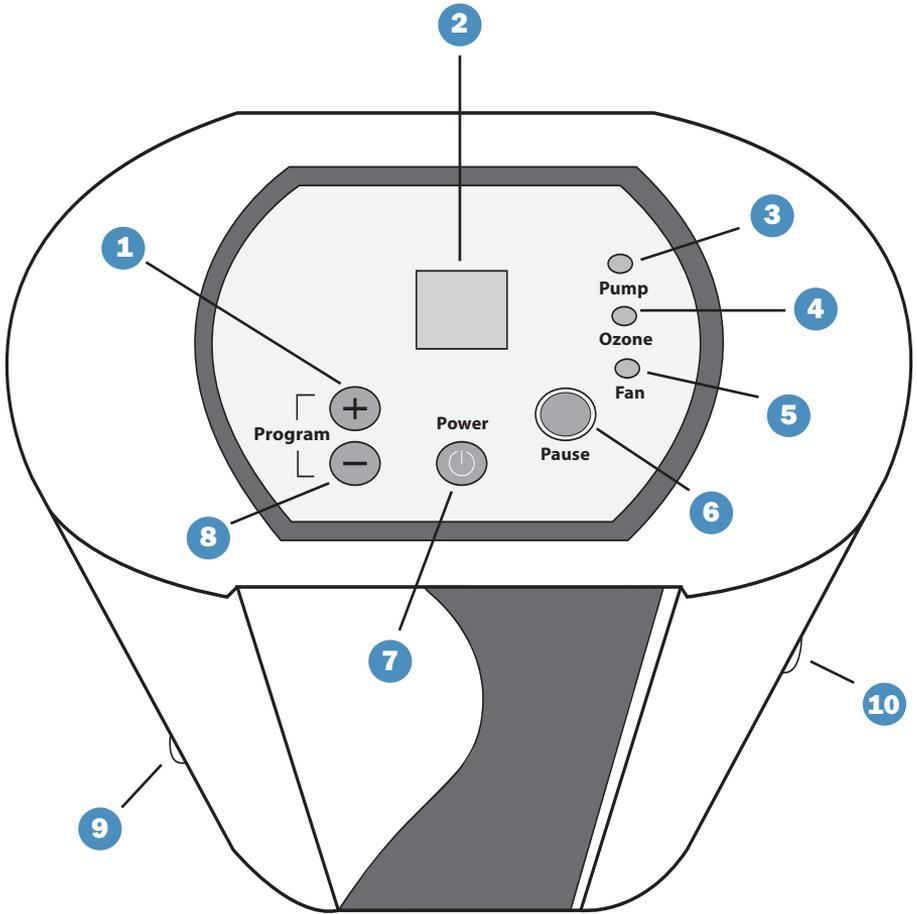
Technical Specifications

Items Included:

1. Aqua-8 Multi-Purpose Ozone Generator
2. Aqua-8 Multi-Purpose Ozone Generator manual
3. Two sets of long tubes for ozonation (each 36 inches long)
4. Fine white diffuser stone
5. Course gray diffuser stone
6. Spare fuse

Stones are inserted in styrofoam packaging

Aqua-8 Specifications	
Power Input	110 VAC 50/60 Hz (10W) or 220/240 VAC 50/60 Hz (12W)
Ozone Output	800 mg/hour
Weight	0.865 kg or 1.7 lbs
Dimensions	270 L x 190 W x 75 H (millimeters) 11 L x 8 W x 3 H (inches)



Aqua-8 Features

1	Plus (+) Button	Use to select desired function setting.
2	LED Screen	Displays function setting selected and operation time remaining.
3	Pump Light	Indicates when the unit pump is running.
4	Ozone Light	Indicates when the unit is running. When it is in operation, the light will remain a solid red.
5	Fan Light	Indicates when the unit fan is running.
6	Pause Button	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.
7	Power Button	Use to turn the unit on and off.
8	Minus (-) Button	Use to select desired function setting.
9	Ozone Outlet	Where the tubing is attached to the unit. One end of the ozone tubing is attached to the Aqua-8 unit, the other end is attached to a diffuser stone.
10	Oxygen Inlet	Optional hook up port for an external oxygen source. This can be used to produce a more pure ozone.

Timer Functions

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

Operating Instructions

- Plug the Aqua-8 into an electrical outlet.
- Attach one end of the tubing (36 inches long) into the ozone outlet on the side of the Aqua-8 and attach a stone diffuser onto the other end of the tube.
 - **Stones are inserted in styrofoam packaging**
- Extend the tubing so that the diffuser stone and the Aqua-8 ozone generator are as far apart as possible.
- Push in the power button located on top of the unit to the ON position.
- The LED will indicate 01 (blinking) or the previous setting number.
- Press the plus (+) button to select the desired function setting from the table for the desired application time.
- The minus (-) button will step down the setting numbers sequentially.
- Operating times will vary according to the size of the room, amount of water being treated and amount of odor being eliminated.
- The Aqua-8 will start 5 seconds after you select the setting on the LED.
- Once the generator starts producing ozone, the LED changes to display the time remaining for the setting you have chosen.
- Remember, settings 1 through 6 are a one time run setting.
- Settings 7 through 12 continuously repeat the cycle every hour.
- Settings 13 through 18 continuously repeat the cycle every 4 hours.
- To pause a setting, simply press the pause button.
- The LED will hold the previously selected function and the time remaining until the pause button are pressed again.
- Press plus (+) or minus (-) to select another function if desired at any time.
- After the function is complete, the air compressor will run for 5 seconds and then will 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 minutes pause in between the run times.

For Oxygen Air:

The 'Oxygen In' port on the side of unit can be hooked up to an oxygen tank or oxygen generator of your choosing. Keep in mind, to hook up an oxygen tank or oxygen generator you will need a regulator that will reach 5 PSI or lower.

To connect an oxygen tank to Aqua-8 follow these steps:

- First, you will connect one end of tubing to your oxygen tank (or concentrator) and then attach the other onto the right side of the Aqua-8.
- You will then need to set your regulator to 2.5 LPM or 5 PSI.
- Once the regulator is set you can turn on the oxygen flow and let it run for 10 seconds.
- After the 10 seconds is up turn on your Aqua-8 to appropriate timer function.
- Once the timer function has completed you will need to let the oxygen run for another 10 seconds to clear the remaining ozone from the ozone tube.
- After 10 seconds, you can turn off the oxygen flow.

Water Applications

The Aqua-8 can be used to purify water in containers, storage tanks, spas, bathtubs, fountains and wading pools. It can also be used to purify drinking water from well sources or city water supplies, removes undesirable tastes, chemicals, odors and colors caused by iron, copper, manganese, chlorine and organic chemicals such as pesticides, and herbicides. Do not use water from a source that is questionable such as a stagnant pool of water.

To treat water, place white or gray diffuser stone into the water container (no more than 4 inches deep) and leave the unit on the recommended program function for the correct time shown below. When completed turn off the Aqua-8 and allow twenty minutes for excess ozone to dissipate from the water. Higher output ozone generators are available from A2Z Ozone for well water and holding tanks when used in conjunction with a particulate filter. Ozone removes excess minerals including iron, manganese, lead, as well as radon and sulfur.

6 oz - 12 oz Glass

- Set on Function #3
- 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 #6
- 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 #6
- The unit will run for 20 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. Not only will they keep a more attractive appearance, but they will also taste fresh! To help keep your produce fresh, fill a sink with water and place the Aqua-8 dispersion stone 2 to 4 inches deep in the sink. Place the vegetables and/or fruit to be treated in the water and operate the Aqua-8 for 10 minutes (Function #5). Average sized sinks should be half-full.

- Ozonate a 1/2 gallon or 2 liters of water
- Set on Function #5
- The unit will run for 10 minutes
- Then let produce sit for 10 minutes in ozonated water

Treatment of Cooking Utensils

Since ozone kills bacteria and viruses, it can aid in the destruction of bacteria found on raw foods, meat, vegetables, fruit and cooking utensils. For best results, follow the same procedure described above for produce. For utensils, rinse off food debris and treat in clean water

with ozone for fifteen minutes.

- Ozonate 3 liters of water
- Set on Function #5
- The unit will run for 10 minutes
- Then let meat sit for 10 minutes in ozonated water

Disinfect Toothbrush, Dentures, etc.

A simple way to promote gum health and prevent the spread of harmful bacteria and microorganisms is to soak your toothbrush in ozonated water for at least 3 minutes before or after each use. That's all it takes to get rid of germs and bacteria found on most toothbrushes; many of which will not simply go away with hot water. Ozonated water can be use to disinfect utensils, contact lens cases, children toys, toilet bowls or anything that needs to be 100 percent bacteria and microorganism free.

Treatment of Fish Tank

The Aqua-8 can be used to keep fish tank water clean and odor free.

- These guidelines are for a typical sized fish tank
- Set the Aqua-8 on Function #9
- This will run the unit for 2 minutes every hour
- Additionally, this function repeats every hour to keep tanks clean hassle free
- For a larger tank, increase the amount of time the unit runs each hour

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-8. Gargling with ozonated water has been proven to kill the microorganisms that lead to bad breath.

- Ozonate 4 ounces of water
- Set the Aqua-8 on Function #3
- The unit will then run for 2 minutes
- Gargle the ozonated water and say goodbye to bad breath

Spa & Pool Treatment

The Aqua-8 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 #11** or **Function #12**) is proven to be the most economical treatment method for spa water, fountains and larger bodies of water up to 500 gallons.

- The Aqua-8 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 twelve 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 near the center for maximum ozone saturation in the water.
- Plug the Aqua-8 into a ground fault circuit interrupter (GFCI) protected outlet.
- Turn the unit on and set it to the desired program function and wait until it starts in 10 seconds.

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-8 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