



Aqua-8

Operating Manual



Produced for and Distributed by:
A2Z Ozone, Inc.
Louisville, KY 40299
EPA Est.: 95432-KY-1

Active Ingredient: Ozone.
Do Not Inhale Ozone.
Keep Out of Reach of Children.

Produced by:
Bluegrass Water Technology Shenzhen Co.,
Ltd
China
EPA Est.: 95432-CHN-1

*register your product at a2zozone.com/pages/warranty

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IMPORTANT:

When operating an ozone generator, please remember to remove people, pets, and plants from the area in case of leakage. Be sure to leave the area being treated immediately and only return once the ozone is dissipated. Under most conditions, the area of incident should be safe to return to in 2-4 hours after the leakage occurs. Areas where ozone generator is installed should be well-ventilated.

For questions, please call **1+ (502) 499-4977** OR email **info@a2zozone.com**

Important Safety Information

READ AND FOLLOW ALL INSTRUCTIONS

- Follow all instructions in the operating manual or warranty may be voided. 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 ozone generator 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. **NOTE:** The unit will run on a repeat timer.
- Do not cover the oxygen air inlet on the side of the unit.
- Do not cover the ozone outlet on the side 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.
- The use of ozone test strips or dissolved ozone monitor is required to ensure that ozone levels are between 0.4-0.6 PPM, especially for drinking water applications.

NOTE: The Aqua-8 is NOT a universal voltage input. To avoid 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/AU, the unit is 220/240 VAC.

PLEASE SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

CAUTION!

In case of accidental leakage, keep the ozone generator in a well-ventilated area.

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.

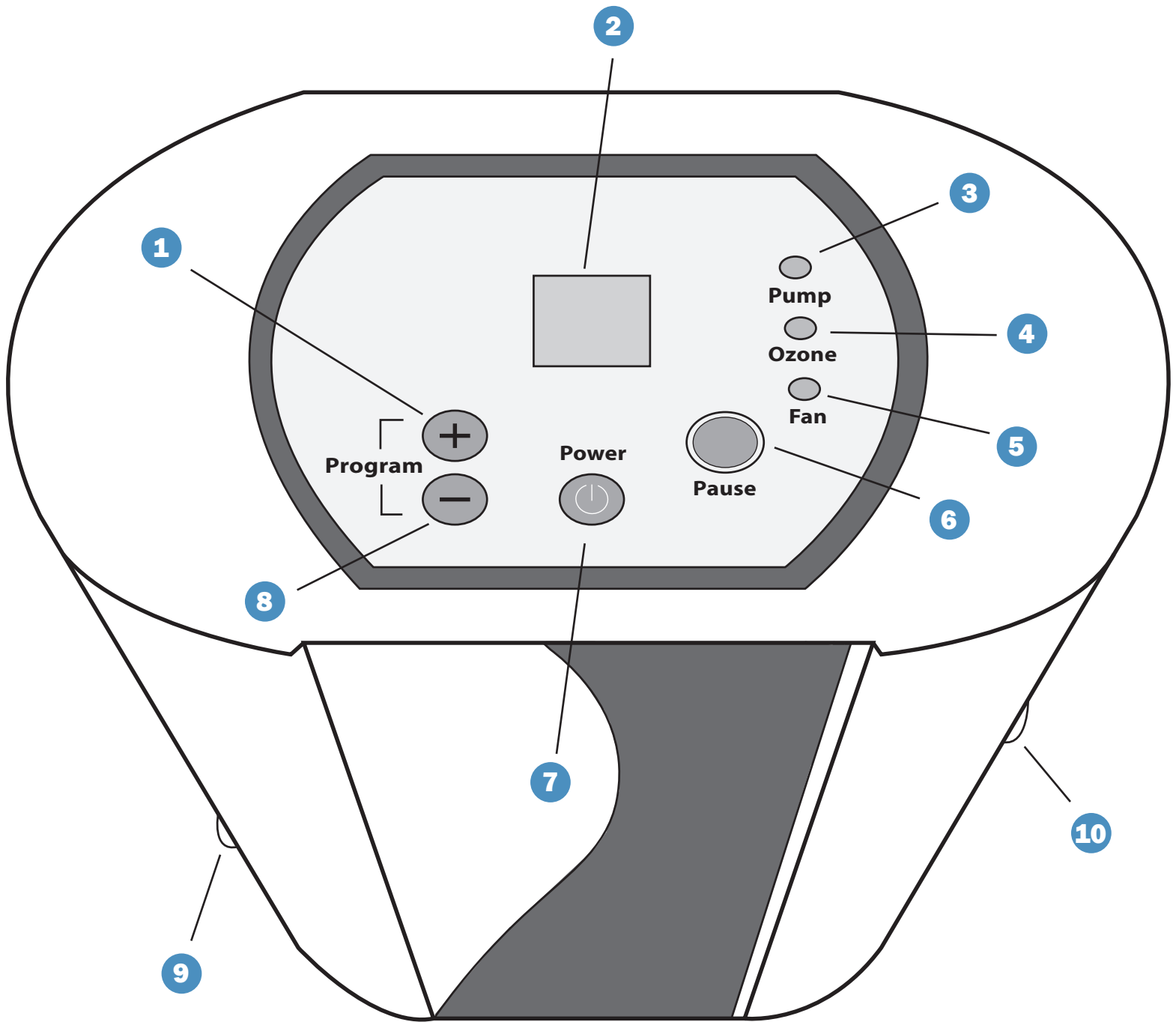
Technical Specifications

Items Included:

- Aqua-8 Portable Multi-Purpose Ozone Generator
- Aqua-8 Portable Multi-Purpose Ozone Generator manual
- Two sets of long tubes for ozonation (each 36 inches long)
- Coarse gray diffuser stone (x2)
- Spare fuse

Aqua-8 Specifications	
Power Input	110 VAC 50/60 Hz (10W) or 220/240 VAC 50/60 Hz (12W)
Ozone Output	800 mg/hour O ₂ in*
Weight	0.865 kg or 1.7 lbs
Dimensions	190 W x 75 D x 270 H (millimeters) 8 W x 3 D x 11 H (inches)

* Ozone output concentration is 2.5-3 mg/L if unit uses dry air to generate ozone



Aqua-8 Features

1	Plus (+) Button	Use to select desired function setting from the Timer Function table.
2	LED Screen	Displays function setting selected and operation time remaining after the Aqua-8 begins producing ozone. The ozone production will start 10 seconds after the selection is made on the LED.
3	Pump Light	A blue light indicates when the unit pump is running. A red light indicates pump is not working.
4	Ozone Light	Indicates when the unit is running. When it is in operation, the light will remain a solid blue. A red light indicates no ozone is being produced.
5	Fan Light	A blue light indicates when the unit fan is running. A red light indicates the fan is not working.
6	Pause Button	Use to pause the unit when it is in operation. The LED screen 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 from the Timer Function table.
9	Ozone Outlet	Where the tubing is attached to the unit. One end of the ozone supply tubing is attached to the ozone outlet on the Aqua-8 unit, while the other end is attached to a diffuser stone.
10	Oxygen Inlet	Optional hookup port for an external oxygen source. This can be used to produce a more pure ozone. The oxygen regulator should be set at a 2 - 2.5 PSI and 1 LPM maximum.

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 cycle every hour
8	Operates for 1 minute every hour, repeats cycle every hour
9	Operates for 2 minutes every hour, repeats cycle every hour
10	Operates for 5 minutes every hour, repeats cycle every hour
11	Operates for 10 minutes every hour, repeats cycle every hour
12	Operates for 20 minutes every hour, repeats cycle every hour
13	Operates for 30 seconds every 4 hours, repeats cycle every 4 hours
14	Operates for 1 minute every 4 hours, repeats cycle every 4 hours
15	Operates for 2 minutes every 4 hours, repeats cycle every 4 hours
16	Operates for 5 minutes every 4 hours, repeats cycle every 4 hours
17	Operates for 10 minutes every 4 hours, repeats cycle every 4 hours
18	Operates for 20 minutes every 4 hours, repeats cycle every 4 hours

Settings	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Runtime (minutes)	0.5	1	2	5	10	20	0.5	1	2	5	10	20	0.5	1	2	5	10	20
Repeat (hours)	Off	Off	Off	Off	Off	Off	1	1	1	1	1	1	4	4	4	4	4	4

Note: LED Screen will show the function and ON/OFF time. If you chose a function that repeats, there will be a dot between the end of the function number and timer number. This dot means that the unit will repeat the cycle.

Operating Instructions

- Plug the unit into the correct electrical outlet (110 VAC or 220 VAC depending on model)
- 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.
- 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 (see timer functions table, page 6) for the desired application time.
- The minus (-) button will step down the setting numbers sequentially.
- Operating times will vary according to the amount of water being treated.
- The Aqua-8 will start 10 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 one time run settings.
- 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 is pressed again.
- Press plus (+) or minus (-) to select another function at any time.
- After the function is complete, ozone production will stop, but 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 operation allows 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 between the runtimes.

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 2-2.5 PSI.

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 a maximum of 1 LPM and 2 - 2.5 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 5 seconds to clear the remaining ozone from the ozone tube.
- After 5 seconds, you can turn off the oxygen flow.

Note: If attaching an oxygen tank/generator, the input should not exceed 2 - 2.5 PSI and 1 LPM. If this amount is exceeded, the unit will be damaged. You will see best results at 1 LPM and 2 - 2.5 PSI.

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 green ozone board & DC board.
- You will need to apply some pressure to open the fuse holder.
- 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.
- The fuse has now been successfully changed.

Note: If the top (green) board LED is not on, this board fuse is bad. If the top (green) board LED is on, but it does not produce ozone, the ozone board fuse is bad. If these errors occur, the ozone LED on the panel will be red.

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 freight (prepaid for products under warranty). 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: _____

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**