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MULTI FUNCTION

PORTABLE OZONE GENERATOR

OPERATING MANUAL

MODEL AQUA-6

220/240V 50Hz/60Hz

Table of Contents

• Safety Information	page 3
• Technical Specifications	page 3
• Timer Function Table	page 4
• Parts Included	page 4
• Internal Tube Instructions	page 5
• Internal Fuse Instructions	page 5
• Operating Instructions	page 5
• History of Ozone	page 6
• Water Applications	page 6
• Air Treatment	page 8
• Food and Cooking Utensil Treatment	page 8
• Water Treatment	page 9
• Spa and Pool Treatment	page 9
• Disinfecting Toothbrush, Dentures, etc.	page 10
• Eliminating Bad Breath	page 10
• Removing Second Hand Smoke and Odors	page 10
• Ozonating Oil	page 10
• Warranty	page 11
• Registration Card	page 13

Important Safety Information!!!!

- This unit is not made for continuous operation. Do not run the unit without a 15 minute delay between run times.
- Place ozonator higher than the water level. If water backs up into the unit it may cause damage, which is not covered by the warranty and could cause electric shock.
- Place stone diffusers no more than 4 inches deep in the water and 2 inches deep in oil.
- After you turn off the function (push on/off under LCD), please wait for ten seconds until the unit turns off automatically. Then unplug or turn the power off (main power below the red light).

Read Before Use

- Read the safety information above and instruction manual carefully before use.
- Do not cover the air inlet on the back of the unit or the ozone vent on the bottom of the unit. Improper ventilation may result in mechanical failure and will void the warranty.
- Store ozone generator in a cool, dry area.
- Do not take apart the ozone generator. Mechanical failure may occur. Return unit directly to manufacturer for repair.
- Do not breathe in ozone directly.
- Use ozone generator in an unoccupied room only.
- Allow proper ventilation when entering a room after treatment.

Technical Specifications

Technical Specifications	
220/240 VAC 50 Hz/60 Hz	
Power Input	220/240 VAC 50/60 Hz 10W
Ozone Output	600 mg/hour
Weight	0.865 kg
Dimensions	270 x 190 x 75 mm
Timer Settings	See Timer Function Table

Note: AQUA-6 comes in two different electric input configurations; one for 110/120VAC 50/60HZ and the other for 220/240VAC 50/60HZ. Be sure to check the unit voltage input before plugging in the unit.

Timer Function

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

Setting	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Run Time (Minutes)	OFF	2	5	10	15	20	2	5	10	15	20	2	5	10	20	30
Repeat Time (Hours)	OFF	OFF	OFF	OFF	OFF	OFF	1	1	1	1	1	4	4	4	4	4

Parts Included:

1. Operating manual.
2. Ozone generator.
3. Two sets of long tubes for ozonating water (36 inches long each).
4. Two short spare tubes for internal replacement (1.75 inches and 2.75 inches)
5. Fine white stone diffuser (for ozonating water and air but not oil).
6. Course gray stone diffuser (for air, oil and water).

Internal Replacement Tubes

If the diffuser is placed more than 4 inches deep into the water, the air compressor pressure and water pressure will equalize. If this happens, it will damage the internal tubes. Never place the diffuser more than 4 inches deep in the water.

When the unit is working but does not produce ozone, you may need to check for damage to these two tubes inside the unit. Please unplug the unit and open the 6 screws at the back (four under soft pads and two in the center) and check inside for damage to the tubes. If the tubes are cracked, ruptured or become hardened, they will need to be replaced.

When replacing tubes, **do not** remove any electrical wire ties, any loose wires inside the unit will cause damage to the unit or will cause electric shortage.

Replacing the Main Fuse

Please unplug the unit and open the 6 screws at the back (four under soft pads and two in the center) and check the fuse. The fuse is the silver cylinder located at the top of the unit on the main board. If the fuse is burnt, replace it with the extra spare fuse provided with the unit during the original purchase.

Operating Instructions:

1. Plug the ozone generator into an electric outlet.
2. Attach one end of the ozone supply tubing into the ozone vent at the bottom of the generator and a stone diffuser into the other end of the tube. Extend the tubing so that the diffuser stone and the Aqua-6 purifier are as far apart as possible.
3. Turn on the main power switch on the face of the unit on. The red light above the main power button will illuminate. The LCD will indicate 00 (blinking).
4. Press the (+) button to select the desired function setting from the table for the desired amount of time. The (–) button will step down the setting numbers sequentially. Operating times will vary according to the size of the room, amount of water being treated, amount of odor to be eliminated or the amount of bacteria to be destroyed.
5. The ozone generator will start 10 seconds after you select the setting on the LCD. Once the generator starts producing ozone, the LCD changes to display the time remaining for the setting you have chosen. Once the cycle is complete, the LCD will change back to the setting number for repeat settings or (00) for one time run settings. Remember, settings 1 through 5 are a onetime run setting, settings 6 through 10 continuously repeat every hour, and settings 11 through 15 continuously repeat every 4 hours.

6. To cancel a setting, simply press the on/off button below the LCD. The LCD will blink (00) indicating it is ready for a new setting. After the function is turned off, please allow air compressor to run for 10 seconds, 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.
7. To turn off the unit, cancel the setting and then wait for 10 seconds and turn off the main power with the button on the right side of the face of the unit.
The unit is now powered down and ready to unplug the power cord for storage or transport.

NOTE: This unit is not made for continuous operation. Do not intentionally run the unit without a 15 to 30 minute delay between run times.

OZONE IS AN EFFECTIVE PURIFIER

Ozone kills bacteria, viruses, molds, mildew, spores, and cysts.

Ozone eliminates chemical contaminants such as aldehydes which can be emitted from paneling, carpets, insulation, paints, stains, and plastics.

Ozone eliminates odors from cigarettes, cigars, pets, diapers, mildews, musty/stale smells, airborne molds, food, locker rooms, shoes and boots, human scent and more!

THE HISTORY OF OZONE

Ozone, sometimes called active oxygen, is comprised of three atoms of oxygen. Ozone is a natural purifier and one of nature's basic elements. Ozone is produced in nature when the ultraviolet rays of the sun strike oxygen molecules. When this occurs high in the atmosphere it creates what we know as the "ozone layer". Because the oxygen molecules absorb the sun's energy, living things on earth are protected from the damaging and potentially cancer-causing rays of the sun. Nature also produces ozone near the earth's surface, especially during a thunderstorm, when lightning flashes. The sweet, fresh smell after a thunderstorm is ozone.

Ozone will destroy viruses, bacteria, and virtually all other forms of microbes; it also breaks down chemical contaminants. It does this in both air and water and does it without the use of chemicals or additives of any kind!

Ozone's use as a water purifier was discovered in the late 1800's in the Netherlands. Its first large-scale use was in Nice, France where it was used to purify drinking water. Today, more than thirty countries use ozone systems to purify drinking water. In addition, most of the world's bottled water plants use ozone as part of their water purification process.

Ozone is also gaining tremendous popularity as an air purifier throughout the world. Our homes and offices can be a source of environmental pollution. The EPA estimates that indoor pollution causes tens of thousands of illnesses each year, and many more from contaminated water. Ozone is most effective to purify air and water.

Ozone is clearly superior to virtually all other forms of purification. When you use the **AQUA-6**, you won't have to purchase or store any chemical or purification materials or change any filters. Everything you need is generated within the small, lightweight AQUA-6 unit. All this, for just pennies a day.

AQUA-6 OZONE WATER SYSTEM APPLICATIONS:

1. Potable drinking/camping water
2. Fruit and vegetable rinsing
3. Food and cooking utensils
4. Hot tub/spa
5. Bath water
6. Baby bottle washing
7. Water tower
8. Office air treatment
9. Home air treatment
10. Removes mold and odor in basements,
11. Removes food odor such as onion, spices, burnt oil, etc. in kitchen
12. Kills bacteria in water and air
13. Ozonates olive oil or other oils in liquid form
14. In large and small fish tank, make water crystal clear
15. Air treatment, kills bacteria and pollen
16. Doctor and dental office application, removes bio film and sanitizes water
17. Aquarium, makes water crystal clear
18. Removes smoke and smoke odor right away

AIR TREATMENT USES

The AQUA-6 Purifier can be used to destroy airborne odors caused by such things as wet carpet, basement mold and mildew, pet odor, pollen, smoke odor, chemical odor, paint odor and fire damage. Simply use the timer settings on the Purifier to select the duration of ozone treatment. Avoid placing the diffuser stone at the end of the ozone supply tube too close to metallic or rubber objects as high levels of ozone will oxidize these objects.

Operating time and room size

Room Size	Function	ON Time (Minutes)	OFF time
100 ft²	11	2 Min	4 Hours
200 ft²	12	5 Min	4 Hours
500 ft²	13	10 Min	4 hours

PPB = Parts per billion; 1000 PPB = 1 PPM. Square Ft is based on an 8 ft ceiling.

Do not allow the ozone level in any living area to exceed FDA-recommended level of 70 PPB.

WARNING: Long term inhalation of high concentrations of ozone gas in the air can cause nasal and/or lung irritation. When using this unit for air treatment purposes, it is recommended that it be operated in unoccupied spaces.

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 your sink with water and place the AQUA-6 Purifier's dispersion stone 2 to 4 inches deep in sink. Place the vegetables and/or fruit to be treated in the water and operate the AQUA-6 Purifier for 15 minutes (FUNCTION # 4) (Average sized sinks should be half-full).

TREATMENT of FOOD & 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 example, soaking uncooked chicken parts in ozone treated water will help retard the growth of salmonella. 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.

AQUA-6 WATER TREATMENT

The AQUA-6 Purifier can be used to purify water in emergency storage, spas, bathtubs, fountains, and wading pools. It can also be used to purify drinking water from well sources or city water supplies, remove 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 stagnant pool of water or the like.

To treat water, place white or gray dispersion stone into the water container (4 inches deep only) and leave the unit on the recommended amount of time shown in the table below. When completed, turn off the AQUA-6 Purifier and allow twenty minutes for excess ozone to dissipate from the water. Higher output ozone generators are available for well water and holding tanks when used in conjunction with a particulate filter. Ozone removes excess minerals including iron, manganese, and lead, as well as radon and sulfur gases.

NUMBER OF GALLONS	SUGGESTED TREATMENT TIME
1	2 minutes
5	10 minutes

Time setting depends upon water quality. A glass of tap water requires approximately 30 seconds (2 minutes per gallon).

SPA AND POOL TREATMENT

The AQUA-6 Purifier can be used on spas, hot tubs, and wading pools up to 1,000 gallons, allowing you to reduce the chemical usage significantly. You will never need to put up with dry skin, red eyes, faded suits, or green hair again! Ozone is pH neutral, so it will not adversely affect the acid/alkaline balance of your water. It is more cost effective than traditional chemicals and leaves no undesirable smell or taste. Continuous operation (10 to 20 minutes; function number 9 or 10) is proven to be the most economical treatment method for spa water, fountains and larger bodies of water to 1,000 gallons.

1. The AQUA-6 Purifier 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.
2. Connect the ozone supply tube to the ozone outlet vent at the bottom of the purifier. If the ozone supply tubing is too long, trim it with household scissors or a razor knife.
3. Place the white diffuser stone 4 inches into the body of water near the center for maximum ozone saturation in the water.

4. Plug the AQUA-6 Purifier into a ground fault circuit interrupter (G.F.C.I.) protected outlet.
5. Set the unit at desired function and turn on the unit.

Disinfect Tooth Brush, 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 the "bad guys", germs and bacteria found on most toothbrushes; many of which will not simply go away with hot water. As a matter of fact, ozonated water can be used to disinfect utensils, contact lens cases, children toys, toilet bowls or anything that needs to be 100% bacteria and microorganism free.

Gargle for Gum Health & to Prevent Bad Breath

Gargling with ozonated water every day is a great way of promoting good health. Brushing your teeth and then gargling with ozonated water is a simple yet powerful way of promoting good health. A side benefit, say goodbye to bad breath and say hello to clean fresh breath! Gargling with ozonated water kills the microorganisms that lead to bad breath.

Remove Second Hand Smoke and Odors

Smokers need ozone! Second hand smoke penetrates all kinds of surfaces and settles on them. Ozone oxidizes those harmful substances found in second hand smoke; even surfaces damaged by cigarette or cigar smoke. You don't have to smoke however to reap the benefits of this ozonator. Simply passing through a smoky bar can saturate your clothing with second hand smoke. Ozone will remove the second hand smoke odors from clothing (actually oxidizes them) which in turn can save you money on dry cleaning. Simply make an Ozone box, place your smoky garments inside, and saturate them with ozone for 20 minutes (function number 3) for Presto! Clean, fresh smelling clothing.

Ozonating Oil in liquid form

When ozone is bubbled into olive oil or safflower oil for long periods of time, the oil eventually thickens, holding the ozone within. When kept refrigerated, this gel will hold the ozone for years. To achieve the minimum concentrations required for effective ozonated oil, you will need to accumulate at least 6 hours of ozonation to create liquid ozonated oil. However, since the Ozone Generator runs for only 20 minutes every hour (an important safety precaution!), it may take longer. This unit is not suitable to make solid ozonated oil. Commercial ozonator model # A2ZZ-3G is recommended to make solid ozonated oil, visit WWW.A2ZOZONE.COM for specification. The good news is that once you've ozonated oil, it lasts in the refrigerator for a long time. Affix one of the clear plastic tubes to the end of the ozone outlet (in the front of the ozonator) and select the gray stone diffuser and place it 2 inches deep in 4 to 6 OZ of oil (for oil use gray stone only). For

liquid oils, you will need to accumulate at least a total of 6 hours of ozonation, so you will need to reset the timer every hour. The timer is an important safety device on the ozone machine. If the unit runs continuously, it will damage some internal parts that will not be covered by the warranty. You need to rest the ozonator the same amount of time as running time. Do not place stone more than 2 inches deep in oil (2 to 3 OZ. Oil).

A2Z Ozone – 90 DAYS 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 90 days 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 Systems Inc., ATTN: Warranty Dept.

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.

Important Safety Information!!!!

- This unit is not made for continuous operation. Please do not intentionally run the unit without a 15 minutes delay between run times.
- Place ozonator higher than the water level. If water backs up into the unit it may cause damage to unit which is not covered by warranty and could cause electric shock.
- Place stone diffusers no more than 4 inches deep in the water and 2 inches deep in oil.
- After you turn off the function (push on/off under LCD), please wait for ten seconds until the unit turns off automatically. Then unplug or turn the power off (main power below the red light).

WWW.A2ZOZONE.COM

A2Z Ozone WARRANTY REGISTRATION CARD

This information can be also send by EMAIL to us. Please provide ALL pertinent information and send 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:

Purchase Date _____ Date Installed _____

Product Purchased: **AQUA-6**

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

A2Z Ozone Systems Inc.

1844 Cargo Court

Louisville, KY 40299, USA

+1 502-499-4977

+1 502-499-4976 fax

www.A2Zozone.com

