



# aero-pool<sup>®</sup>

From Aero-Spa LLC

## Installation Guide



**For additional assistance  
please contact us at:**

**Technical Support**

877-226-8111

OR

info@aero-spa.net

# For outdoor use only!

⚠ WARNING    AVERTISSEMENT	⚠ CAUTION    ATTENTION
<p>DISCONNECT ELECTRIC POWER BEFORE SERVICING</p> <p>SHORT TERM INHALATION OF HIGH CONCENTRATIONS OF OZONE AND LONG TERM INHALATION OF LOW CONCENTRATIONS OF OZONE GAS CAN CAUSE SERIOUS HARMFUL PHYSIOLOGICAL EFFECTS. DO NOT INHALE OZONE GAS PRODUCED BY THIS DEVICE.</p> <p>DÉBRANCHER L'ALIMENTATION ÉLECTRIQUE AVANT L'ENTRETEIN. L'INHALATION D'UNE HAUTE CONCENTRATION D'OZONE À COURT TERME ET L'INHALATION D'UNE BASSE CONCENTRATION D'OZONE À LONG TERME PEUVENT CAUSER DE SÉRIEUX DOMMAGES PHYSIOLOGIQUES. NE PAS INHALER L'OZONE PRODUIT PAR CET APPAREIL.</p>	<p>RISK OF ELECTRIC SHOCK. CONNECT ONLY TO A PROPERLY GROUNDED CIRCUIT PROTECTED BY CLASS A GROUND FAULT CIRCUIT INTERRUPTER (GFCI)</p> <p>CONNECT THIS OZONE GENERATOR IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS.</p> <p>DO NOT INSTALL WITHIN AN ENCLOSURE THAT WOULD RESTRICT VENTILATION.</p> <p>READ THE ENTIRE INSTRUCTION MANUAL</p> <p>AVOID CONTACTING EYES, SKIN, OR CLOTHING WITH LIQUID INSIDE OZONE TUBE.</p> <p>RISQUES DE CHOCS ÉLECTRIQUES. BRANCHER À UN CIRCUIT PROTÉGÉ PAR UN DISJONCTEUR DE FUITE À LA TERRE DE CLASSE A SEULEMENT (GFCI). BRANCHER CE GÉNÉRATEUR D'OZONE CONFORMÉMENT AUX INSTRUCTIONS D'INSTALLATION. NE PAS INSTALLER DANS UN ENDROIT QUI RESTREINDRAIT LA VENTILATION. LIRE INTÉGRALEMENT LE GUIDE DE L'UTILISATEUR. ÉVITER TOUT CONTACT DU LIQUIDE DANS LE TUBE D'OZONE AVEC LES YEUX, LA PEAU OU LES VÊTEMENTS.</p>
<p>CSA ENCLOSURE 3 - FOR OUTDOOR USE ONLY. SET THIS UNIT ON A LEVEL SOLID SPACER BLOCK THAT IS AT LEAST 2 3/8" THICK TO PREVENT FLOODING.</p>	<p>ENCEINTE CSA 3 - UTILISATION EXTÉRIEURE SEULEMENT. INSTALLER CET APPAREIL SUR UN BLOC ESPACEUR SOLIDE ET NIVELÉ DE 6 cm (2 3/8 po) D'ÉPAIS POUR ÉVITER LES INONDATIONS.</p>

## WARNING

Pool care and sanitizing is the sole responsibility of the owner. In some cases a residual sanitizer must be present to minimize cross contamination. Pools/Spas are not intended to treat infections. Never allow use of pool if you are unable to verify the condition of open sores, wounds, lesions, cuts, sores, abrasions, boil, etc. or infections of any type exist. The best industry practice is to maintain a minimum of 2 PPM residual chlorine sanitizer in the water at all times. The best industry practice will minimize the possibility of cross contamination; however, will not eliminate the possibility.

# Operation and Precautions

## IMPORTANT SAFETY INSTRUCTIONS

Proper installation and usage of your Aero-Pool ozone generator is your responsibility. Read and follow this installation guide carefully for important installation, operation and safety information. Basic safety precautions should always be followed, including but not limited to the following:

- Read and follow all instruction.
- Never operate Aero-Pool equipment indoors.
- Do not use pool for 30 minutes after the Aero-Pool unit has operated.
- Never inhale ozone exhausted by Aero-Pool unit.
- Follow all electrical installation instructions in this installation guide.
- Do not operate Aero-Pool unit unless the electrical source is protected by a Ground Fault Circuit Interrupt (GFCI) device.
- Do not use the Aero-Pool unit for applications other than those described in this installation guide.
- Follow all applicable electrical codes.
- **WARNING** - To reduce the risk of electrical shock, do not use this product if it has a damaged cord. Call Aero-Spa LLC immediately to get the product repaired.
- Mount the Ozone Generator so that it is inaccessible to anyone in the pool.
- Never attempt servicing when wet.
- Do not allow children to operate the Aero-Pool.
- Plastic ozone supply tubing is available with the Ozone Generator. Never replace this tubing with metal tubing.
- Trace amounts of hydrochloric acid may be present in the ozone tube. Avoid contact with eyes, skin and clothing.

**SAVE THESE INSTRUCTIONS.**

# Equipment Identification

Remove the equipment from the packaging. Care must be taken when handling the components. Do not drop the generator or sintered diffuser, as they are fragile.

Identify the equipment components: Ozone Generator, Ozone Tube, and Sintered Diffuser.

***Please note that your product may vary from photos in this installation guide.***



Model: AP 1000	
DESCRIPTION	QTY
Aero-Pool Generator	1
20ft – Ozone Tube	1
Sintered Diffuser	1

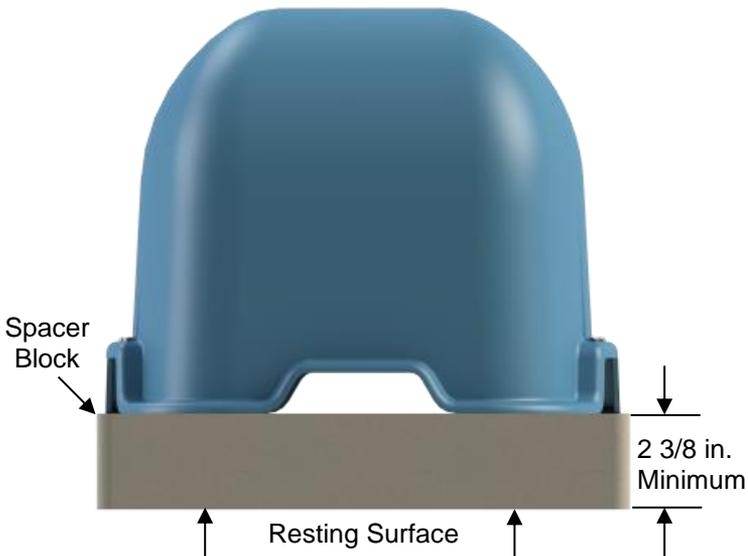
**Figure 1: Equipment Identification**

## Equipment Set-up

*For best results it is highly recommended that the pool be thoroughly cleaned to remove residual dirt and contaminants prior to installation of the Aero-Pool system.*

Set the equipment on a level solid spacer block that is at least 2 – 3/8” thick and at least 10’ from the pool that is not prone to flooding (equipment is weather proof but not waterproof) Figure 2. If the supplied ozone tube is not of adequate length, move the equipment closer to the pool but not closer than 10’. Do not extend or shorten the ozone tube. If the tube is too long, coil the excess tube in an 8” diameter coil.

**Note: an improperly sized ozone tube will detrimentally affect the performance and life of this product and may void the warranty!**



**Figure 2: Unit Placement**

## **Install ballast tube.**

**1.** Remove screw from center section, slide ballast tube onto bottom of diffuser section with a slight back and forth twisting motion until the small hole on diffuser section is in the center of the large hole in ballast tube. Insert screw and tighten until screw head is flush.



**Figure 3: Ballast Installation**

**2.** Connect the free end of the 20' ozone tube to the fitting exiting the underside of the Aero-Pool unit. Secure with provided cable tie.

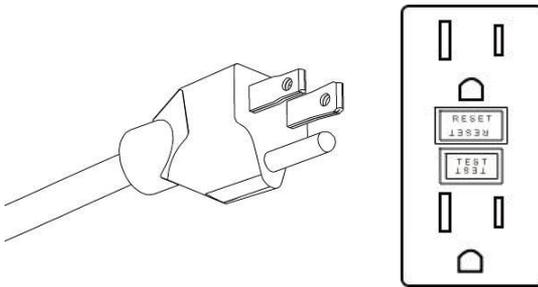
**3.** Lower the sintered diffuser into the pool in an area that is 7' deep or less and allow it to rest on the bottom.

**4.** Locate the closest electrical outlet on the house or garage that is at least 10' from the pool that can be used to supply power to the equipment.

**5.** Insert the electrical plug from the unit into a GFCI (Type 15-5R) outlet. The equipment will begin to operate. You will hear a faint hum from the generator and a steady bubble stream will be emitted from the diffuser.

# Grounding Requirements

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug (type 5-15P). The plug must be plugged into an outlet (type 5-15R) that is properly installed and grounded in accordance with all local codes and ordinances. If repair or replacement of the cord or plug is necessary, contact Aero-Spa, LLC or a qualified electrician. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded.



**Figure 4: Plug and GFCI Outlet**

**DANGER: Improper installation of the grounding plug can result in a risk of electric shock.**

Do not modify the plug provided; if it will not fit the outlet, have the proper outlet installed by a qualified electrician. This product is for use on a nominal 120-volt circuit. No adapter should be used with this product. This product has an automatic thermal limiter, which shuts off the entire product when an elevated temperature condition exists. When the product cools it will automatically restart. Only if required, obtain a UL outdoor rated extension cord. Never locate the Aero-Spa generator closer than 10' from the hot tub. In the event of a power outage, the GFCI device will need to be reset manually.

Occasionally GFCI breakers will experience nuisance tripping. This will shut off the power to the equipment. If this occurs, press the “reset” button. If pressing the “reset” button does not start the equipment, unplug the cycle timer and press the “reset” button again. If the “reset” button does not “hold in”, replace the GFCI breaker. If the button does “hold in”, plug the generator power cord into the GFCI breaker and circumvent the cycle timer. Press the “reset” button again. If the “reset” button does not “hold in” replace the GFCI breaker. If the “reset” button does “hold in” contact Aero-Spa, LLC.

**Do not operate this equipment without a GFCI breaker installed.**

## Maintenance and Care

This product has no user serviceable parts. If service is required, contact Aero-Spa, LLC. Attempts to service the ozone generator will void the customer satisfaction policy, Limited Warranty, and expose the user to electrical shock which may cause severe injury or death.

Keep the area around the product free of leaves and other debris. If debris enters the product through the air intake holes, ***unplug the product*** and carefully remove the debris. Restart product.

The diffuser stone can be cleaned with a 3% hydrogen peroxide solution or muriatic acid.

## Fill & Start-Up Recommendations

Our customers have been using the Aero-Pool system as the primary water treatment process for years with limited harsh chemicals. Because we cannot control how your pool is used/maintained and according to the EPA we must recommend maintaining at 2 PPM of an approved residual sanitizer to minimize cross contamination of users.

# TROUBLESHOOTING

## **Aero-Pool not running / No bubble from sintered diffuser**

1. Verify unit is receiving power
  - a. Reset GFCI breaker.
  - b. Reset circuit breaker at house fuse panel.
2. Verify ozone tube is not broken, pinched, or disconnected
3. If these steps do not solve the problem call Aero-Spa, LLC

## **Water is cloudy**

A condition typically associated with excess organic particulates from oils and soaps.

1. Apply pool clarifier.
2. If not resolved within (4) days, contact Aero-Spa, LLC

## **Strong ozone odor near Aero-Pool generator**

1. Verify ozone tube is not broken
2. Verify ozone tube is not pinched or disconnected
3. Unplug unit and call Aero-Spa, LLC

## **Strong ozone odor in pool**

1. Reduce cycle run time by 25%. Repeat if odor remains strong after 1 hour.
2. Unplug unit and call Aero-Spa, LLC

## **Ozone tube is cloudy in color and not flexible**

This is normal, periodically check for cracks in ozone tube. Replacement parts are available from Aero-Spa, LLC

## **Sintered diffuser is turning brown**

1. This is normal when the water used to fill the pool has high iron content. The diffuser can be soaked in “rust or stain remover” or similar product and rinsed thoroughly after soaking.
2. If these steps do not solve the problem call Aero-Spa, LLC

## **Brown ring at water line**

1. This is normal when the water used to fill the pool has high iron content. Using “rust or stain remover” solution, wipe the rust stain with damp sponge containing rust or stain remover. Rinse sponge in solution periodically.
2. If these steps do not solve the problem call Aero-Spa, LLC

### **Light scale on surface**

1. This occurs when the water used to fill the pool is hard. Using a sponge or “Scouring pad” pad, wipe surface to remove scale. Care should be used if using a “Scouring pad” pad to ensure the surface of the pool is not damaged.
2. If these steps do not solve the problem call Aero-Spa, LLC

### **Light brown material on surface of pool walls**

1. This occurs when the water is not adequately circulated in the pool. Using a sponge, wipe surface to remove scale.
2. Increase pool circulation pump cycle time. Synchronize circulation pump and Aero-Pool™ run time.
3. If these steps do not solve the problem call Aero-Spa, LLC

### **Water back siphoned into the ozone tube and or the ozone generator**

1. A small amount of moisture can be considered normal in high humidity conditions and in such a case nothing needs to be done. If there is more than a few drops proceed to step 2. below
2. Turn off all power by unplugging Aero-Pool from the 120 volt power outlet. Remove the sintered diffuser from the pool and lay it on the ground at a lower elevation than the generator. Allow the unit to purge the water from the ozone tube. When complete, reinstall sintered diffuser in pool and make sure the air line is installed as described in the installation procedure.
3. If these steps do not solve the problem call Aero-Spa, LLC

# CUSTOMER SATISFACTION POLICY

We are confident that the Aero-Spa™ process will maintain the desired water quality in your hot tub or pool. If during the first ninety days you are not satisfied with the water quality in your hot tub or pool you can return the Aero-Spa™ product to us for a refund. All other unused products and accessories returned are subject to a twenty-five percent restocking fee and must be returned within fourteen days of purchase. Payment Plan fees are not refundable. To be eligible to receive any refund under this Customer Satisfaction Policy you must contact us by telephone, e-mail or in writing within the time specified above, from the date of your invoice. A Return Material Authorization (RMA) will be issued with instructions. Canceled orders or RMA's for systems as described above issued or inquired about for any reason within thirty days of invoice date are subject to a fourteen percent restocking fee. All products must thereafter be received at our facility within twenty-one days of the return authorization date. Buyer is responsible for all shipping charges of returned product including insurance. Upon receipt, any evidence of tampering or misuse of the unit will void this Customer Satisfaction Policy. For more information, or to seek a refund under this Customer Satisfaction Policy, please contact Aero-Spa™ at W300 N7706 Christine Lane, Hartland, Wisconsin, 53029, visit our website at [www.aero-spa.net](http://www.aero-spa.net) or e-mail us at [info@aero-spa.net](mailto:info@aero-spa.net). If Buyer is making a refund claim, please provide the reason for seeking the refund.

# MANUFACTURERS LIMITED WARRANTY

## DISCLAIMER, DURATION, AND SCOPE OF THE WARRANTY

Aero-Spa™, LLC ("Aero") warrants its products against defective materials or workmanship at the time of shipment for a specific warranty period. Aero offers the following warranty periods for each of its products: **12 months for "New" products**, and **6 months for all refurbished products**. To make a valid claim under this warranty, Aero must be notified through writing, e-mail or otherwise of any warranty claim within the applicable warranty period and in the manner described below.

All implied warranties including the **IMPLIED WARRANTY OF MERCHANTABILITY** and the **IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE** are also **LIMITED IN DURATION** to the applicable warranty period. **SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MIGHT NOT APPLY TO YOU.** This warranty only covers the original Buyer of Aero's product. Aero will not be responsible under this warranty for any defect, failure, or malfunction of this product caused by abuse, misuse, unauthorized adjustments or dissembling of this product during the duration of this warranty. **AERO MAKES NO OTHER WARRANTY BEYOND THAT CONTAINED IN THIS WRITING.**

## EXCLUSIVE REMEDY AVAILABLE UNDER THIS WARRANTY

If after the expiration of the Customer Service Policy, the Aero product fails to operate properly under normal conditions within the remaining warranty period because of a defect in materials or workmanship, Aero will repair or replace this product without cost to you for parts or labor. If repair or replacement of the product is impossible or impracticable, as an alternative, Aero retains the option to reimburse you with the original purchase price of the product within a

reasonable amount of time. **THE REMEDY DESCRIBED ABOVE SHALL BE YOUR EXCLUSIVE REMEDY FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. NO OTHER REMEDY FOR BREACH OF THIS WARRANTY, EXPRESS OR IMPLIED (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE), SHALL BE AVAILABLE TO YOU.** Under no circumstances will Aero be responsible for **INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES**, lost profits, lost sales, injury to property, or any other loss. These limitations do not apply, however, to damages related to personal injury. **SOME STATES DO NOT ALLOW LIMITATION ON INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.** For service, questions or to make a warranty claim, contact Aero at W300 N7706 Christine Lane, Hartland, Wisconsin, 53029, visit our website at [www.aero-spa.net](http://www.aero-spa.net) or e-mail us at [info@aero-spa.net](mailto:info@aero-spa.net). If Buyer is making a warranty claim, please provide a description of the nature of the problem. Alternatively, call the following toll-free number to obtain further warranty instructions: **1-877-226-8111**.

## **STATE LAWS AND THIS WARRANTY**

**THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.** To the extent that state law renders any provision in this warranty inoperative, state law shall apply and that clause shall be severed from the warranty; this severance, however, does not render the entire warranty inoperative.