

STEP 1: PREPARING YOUR POOL

- 01/ Start with clear, algae-free water. If your pool water is not clear enough, you may need to “shock” the does of oxidizer/chlorine prior to floating the Solar Pool Ionizer.
- 02/ Starting chlorine levels should be between 1.5–3.0 ppm and pH levels between 7.6 –7.8 ppm.
- 03/ Use the included Copper Test Kit to check that levels are between 0.0 – 0.1 ppm. If levels are higher, this may indicate previously used algaecides, which should be removed by using a sequestering or chelating agent.

STEP 2: USING THE SOLAR POOL IONIZER

- 01/ Float the Solar Pool Ionizer in the water and allow it to get full sun all day. The Solar Ionizer needs at least 4-5 hours of sunlight.
- 02/ Operate the pool pump during the daylight hours to promote circulation and distribution of copper ions.
- 03/ You will see a blue/green mineral build-up on the copper anode within 5–7 days, indicating the unit is functioning.
- 04/ Once copper levels have reached **0.2 – 0.5 ppm**, you can reduce chlorine levels to 1.0-2.0 ppm. If the ion reading exceeds 0.5 ppm, remove the device from the water for one week and monitor the ion level (weekly). Once the level drops to 0.3 ppm or lower, return the ionizer to the pool and continue the weekly ion check.
(Important: Copper levels may not exceed 1.0 ppm at any time). Copper levels can be determined using the monitor that is included in the test kit. Once the maximum levels of copper are reached, remove the solar ionizer from the water. The target copper ion level is 0.3 ppm. If the ion level remains at 0.3 ppm, then continue to float all the time.
- 05/ **Do not add algaecide or water clarifiers to your water.** If you need to shock your pool, use a chlorine-free shock treatment.

Sufficient copper ions levels will take 2 – 3 weeks to build-up in your water. While in this waiting period, you will have to keep algae down by continuing your regular maintenance.

STEP 3: CLEANING AND MAINTENANCE

- 01/ **Perform a weekly cleaning of the copper anode, stainless-steel coil, and mesh basket.**
 - To remove the mesh basket, place downward pressure on it while unscrewing the screw, otherwise it will be difficult to loosen. Do not over-tighten the screw when placing back on or it can strip the threads.
 - Use the supplied metal brush to clean the blue/green mineral build-up from the copper anode and stainless-steel coil. TIP: Cleaning when wet is much easier.
 - For easier cleaning, you can soak the copper anode in vinegar overnight and then rinse it off. The copper anode and stainless-steel coil do not have to be perfectly clean for the unit to function properly.
- 02/ The copper anode should be replaced when it reduces to a 1/4" in diameter at its thinnest point. It is normal to see pitting on the copper core anode as it wears. Replacement parts are available at eazpoolworld.com.
- 03/ Do not add algaecides or water clarifiers to your water. These chemicals will remove all beneficial ions generated by the Solar Pool Ionizer.

FREQUENTLY ASKED QUESTIONS**How does the ionizer work?**

This Solar Ionizer purifies and protects against microorganisms by transforming your water! This transformation into biologically healthy and algae-resistant mineral water is done using safe and effective low power output. EazPool's Solar Ionizer acts as a percolating charger to generate ions from the power of the sun. This ionizer can be used effectively in both saltwater and non-saltwater pool systems. The EazPool Solar Ionizer's ability to generate beneficial mineral ions while collecting undesirable minerals as calcium and iron truly set it apart from competitors. This ability has an effect that softens your water.

The ionizer's anode is designed to be sacrificial and to slowly erode forming a scale buildup requiring occasional cleanings. This buildup on the anode is completely normal and means it is functioning as intended!

How often do I clean copper anode?

You will need to clean the copper anode every week otherwise blue/green build-up may occur in the basket preventing the minerals from being released in the water properly. Also, this may cause a tear in the basket.

How do I clean the anode and basket?

Remove the unit from the pool, inspect for any damages on the panel and around the unit. Flip the unit over onto a soft surface such as grass (you may want to have a trash bag underneath the unit) and gently remove the nylon screw and basket from the anode. Remove the anode from the unit and give it a little scrub with the wire brush provided. **HINT: Easier to clean when wet. When dry, dusty mineralized residue can be irritating.**

Do I need to check the copper ion level?

We recommend testing the copper level weekly and to maintain a level in the range of 0.2 ppm - 0.5 ppm. If you find that your copper level has gone above 0.5 ppm, remove the device from the water.

Note: Do not allow copper content of the water to go above 1 ppm at any time. High copper level can tinge the water green and copper can begin to precipitate on solid surfaces.

How do I check the copper ion level?

Using a copper test strip, please dip the strip into your pool water and remove it immediately. Then hold the strip level, not shaking the excess water off the strip. After 15 seconds, please compare the pad of the strip to the color chart on the test strip bottle.

Note: The test strips are not as effective at testing LOW levels of copper ions as they are at testing for HIGH levels of copper ions. Testing for high levels is what is important. If over 0.5 ppm, you should remove the ionizer for a week or until the levels are lower. While it may be difficult to determine the low-level copper readings, if the copper anode is corroding, ions are being created. Low level of 0.1 ppm is usually sufficient to prevent algae growth.

How much Chlorine will I need to use?

We recommend using a small amount (2 to 3 parts per million) of sanitizer to keep your pool microbe-free. You may still use small quantities of chlorine, bromine, or a non-chlorine sanitizer. It's the large expensive quantities of chlorine that you no longer need to keep your pool crystal clear.

Can I use a metal screw if I misplace or break the nylon screw that came with the unit?

No. A metal screw will interfere with the ionization process and will "fuse" into the copper. It must be non-metallic. Please go to www.eazpoolworld.com to purchase a replacement or contact customer support.

Will the unit work if my pool is covered?

If the panel on the unit does not get direct sunlight it will not work properly. You can gently tether the unit to an area in the pool where the cover is lifted or cut a small hole in the cover for the unit to be placed in the pool.

How long does the unit need to be in the sun?

The Solar Ionizer needs at least 4-5 hours of sunlight. (Please note that you will need to have the unit in the water when it is in the sun, or this may damage the unit). If your ionizer is NOT in the sun, it will not work. Therefore, you may need to tether it with a piece of string (just wrapped around the basket) in a sunny place in your pool.

TROUBLESHOOTING

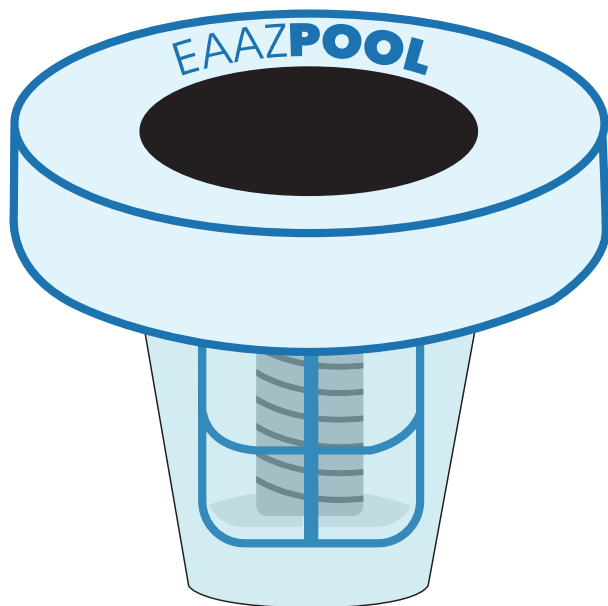
I DON'T THINK IT'S WORKING

Firstly, fill a clear glass or plastic quart-sized jar (or equivalent) with water.

Second, place the solar ionizer on the top of the jar resting on the lip. Making sure the entire copper anode and basket are submerged in the water. See the image below.

Third, place the solar ionizer on the top of the jar, resting on the lip, with the electrodes immersed in water (making sure to press the coil into contact with the 3 dots on the bottom side of the panel with your hand continuously).

With a full sun shining on the solar panel, fine bubbles will be observed after a few seconds originating from the spring coils. This demonstrates that an electrical current is being generated. Any absence of these bubbles indicates a problem.



WHAT DO I DO IF MY POOL HAS TURNED GREEN?

Following the steps above, after confirming it is functioning normally, but your pool turns green, proceed trying to position your ionizer to a more consistently sunny area of the pool.

If you have had a large amount of heavy rain or several overcast days, this may have caused the water to become imbalanced because the unit had no sunlight to be able to ionize the minerals properly.

Simply shock your pool, run your filter a little longer than you normally would, and let the water balance itself. If you add too many chemicals this may make the situation worse. In addition, you can continue using the Solar Ionizer during this process, correcting any issues with the water turning green during usage.

If this does not effectively correct your issue, then it will be necessary to add an additional Solar Ionizer to maintain your pool under the conditions present. (It happens quite frequently that customers buy only one when they really need two.)

If you have had plenty of sun and the anode is not scaling, please contact customer support.

PLEASE MAKE SURE YOU HAVE THE CORRECT NUMBER OF UNITS FOR YOUR SIZE POOL.

I SEE PURPLE STAINS!

Experiencing any issues with a bright purple stain in and around your pool, or the Solar Ionizer itself, is a result of a reaction with cyanuric acid. EaaZPool's Solar Ionizer is designed to be used without other chemicals. Cyanuric Acid is typically used in pools as a stabilizer in chlorine tabs or other chlorine products. Noticing any significant staining other than simply around the ionizer itself, we advise removing the Solar Ionizer until the levels of Cyanuric Acid are reduced. This can be accomplished by draining water from your pool and replacing it with fresh water. The Solar Ionizer is designed to be used without any other chemicals and the copper within the ionizer is reacting to the cyanuric acid causing a purple stain. The stain itself should dissipate but could take several weeks after staining the plaster of the pool.

I SEE A BLUE/GREEN BUILD-UP ON THE COPPER ANODE

You will see a blue/green mineral build-up on the copper anode within 5 – 7 days, indicating the unit is functioning. This is totally normal and a good sign that the Ionizer is working and functioning normally.

NEED HELP?

SIMPLY TEXT "SUPPORT" TO +1 (980) 447-2700

EAAZPOOL®

BEST WAY TO CLEAN

It is advised to clean your Solar Ionizer outside, while the copper anode is wet. Carefully unscrew the thumbscrew and proceed to remove the basket. Then brush the coils and anode with the wire brush provided. (It is not necessary to be perfectly clean) Afterward, replace the basket and screw in the thumbscrew.

WHAT DO I DO MY POOL IS CLOUDY?

Run your filter a little longer than normal for your pool and add a little extra chlorine if necessary.

PLEASE NOTE: Algaecides, conditioners, clarifies, etc., are unnecessary. Higher chlorine levels may be required with an increase in water temperature, increased swimmer load, rainfall, or new water added. If using liquid chlorine, add at or after sundown because the sun's rays quickly neutralize chlorine. The recommended levels are not absolute and may vary with changing water conditions. What works best for your pool is determined by experience. Allow your water to seek its own balance. Do not arbitrarily alter the pH, apply large doses of chlorine (AKA 'Shock'), add algaecide, add conditioner, or try to change perfectly clear water.



I DON'T THINK IT'S WORKING

The pH range may now be expanded from 7.2 - 7.8 ppm. The EazPool Solar Ionizer works well at higher pH values, so do not arbitrarily attempt to adjust the pH if it is within this recommended range. Keep in mind that the general idea is to use your Solar Pool Ionizer just enough to maintain an adequate ion level, and to determine how little chlorine is necessary to keep the water clear. Allow the water to settle down and seek its own balanced condition.

WHAT DO I DO IF I HAVE ALGAE, BUT THE WATER IS CRYSTAL CLEAR?

The occurrence of algae in any shady spot (for example black algae on the pool's plaster surface), usually near steps or the deep end of the pool, is caused by how the water is filtered and will need to be spot treated with a powdered chlorine. Allow the spots time to dissipate while continuing the use of the Solar Ionizer.

WARRANTY

EazPool warrants this product to be free from defects in workmanship and materials, under normal residential use and conditions, for a period of one (1) year from the original invoice date. Shipping and handling fees are to be paid by the customer. EazPool agrees, at its option during the warranty period, to repair any defect in material or workmanship or to furnish a repaired or refurbished product of equal value in exchange without charge (except for a fee for shipping, handling, packing, return postage, and insurance which will be incurred by the customer).

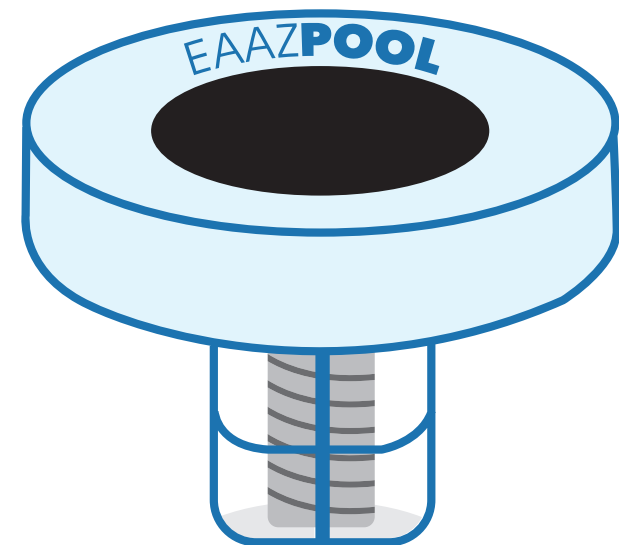
The warranty contains the following exclusions. The sacrificial electrode (copper anode) is a normal replacement item subject to wear and are excluded from the warranty. Product discoloration, or any other cosmetic or superficial damage or deterioration, regardless of its cause, is not covered by this warranty. The warranty does not apply to problems arising from circumstances outside the control of Products, including, but not limited to the following:

- A.** Damage or premature wear due to improper pool chemistry, and failure to maintain pool water chemistry in accordance with the recommendations contained in the owner's manual.
- B.** Damage due to improper installation or usage, including materials and workmanship supplied by others.
- C.** Damage due to negligence or failure to properly maintain equipment, including the maintenance of clean the electrode and disassembly.
- D.** Damage due to improper service, as well as unauthorized equipment modifications and use of non-genuine replacement parts.
- E.** Damage due to misapplication, misuse, abuse, or failure to operate the equipment as specified in the owner's manual.
- F.** Problems resulting from tampering, accident, fire, flood, freezing, lightning, insects, or other natural elements, or other circumstances beyond the control of Products.
- G.** Damage due to over-tightening or excessive pressure or stress.

This warranty is valid only in the United States of America. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state. This warranty supersedes all previous publications. Any dispute between the original purchaser and Products will be settled by binding arbitration, conducted in Mecklenburg County, NC, under the rules of the American Arbitration Association.

SOLAR POOL IONIZER OWNER'S MANUAL

? Need Help? Have Questions?
SIMPLY TEXT "SUPPORT" TO +1(980)-447-2700



Information in this booklet is applicable to all of EAAZPOOL Solar Pool Ionizers

www.eazpoolworld.com

Replacement parts are available at eazpoolworld.com

WE STRONGLY RECOMMEND THAT YOU READ THE FOLLOWING QUICK GUIDE BEFORE USING THIS PRODUCT.