

Terms and Conditions of Warranty

UltraPure Water Quality Inc. stands firmly behind all of our products. If any of the items you have purchased become defective within the warranty period, please see below.

1. To validate this warranty, the "Registration of Purchase" form must be completed online at www.waterquality.net/en/contact-us/warranty/ within 30 days of purchase.
2. UltraPure Water Quality Inc. warrants that the UltraPure Automatic Water Cleaner and all working electrical components are free from defect in material and workmanship. This warranty is not transferrable.
UPS Models: One (1) year conditional warranty from the date of delivery to the first owner.
EUV Models: Three (3) year conditional warranty from the date of delivery to the first owner.

To make a warranty claim:

- a) Have your model number, serial number, voltage and original bill of sale available.
 - b) Call 1 877 281 7603 for instructions to initiate the warranty procedure.
3. This warranty and the remedies set forth below are exclusive and in lieu of all other warranties, remedies and conditions, whether oral or written, expressed or implied. UltraPure Water Quality Inc. specifically disclaims any and all implied warranties, including, without limitation, warranties of merchant-ability and fitness for a particular purpose.
 4. In no event shall UltraPure Water Quality Inc. or any of its officers, agents, employees, representatives or associates be liable for any losses however occurring, including, but not limited to, breach warranty or condition, tort or negligence.
 5. This warranty shall be void if this product or any of its components are altered, misused, modified, not installed, used, repaired or not maintained in accordance with the instructions printed in this UltraPure Owners Manual using UltraPure factory approved parts.

Warranty does not extend to accident, damage, flood, fire or any other cause beyond the control of the manufacturer.

PLEASE RETAIN A COPY OF THIS WARRANTY ALONG WITH YOUR ORIGINAL BILL SALE. USE THE AREA BELOW TO RECORD YOUR MODEL AND SERIAL NUMBER

MODEL NUMBER: _____ SERIAL NUMBER: _____



1155 APPLEBY LINE, UNIT E7
BURLINGTON, ON L7L 5H9
CANADA
www.waterquality.net



Owner's Manual / Installation Guide
For All UPS Series and EUV Series

Important Safety Instructions - Read and follow all instructions

1. Read this manual completely before attempting installation
2. UV light is harmful to eyes and exposed skin.
3. All permanent electrical connections should be made by a qualified electrician.
4. If the ozone generator is connected to an independent electrical supply, a Class A Ground Fault Circuit Interrupter (GFCI) must be installed between it and the electrical supply
5. Warning - to reduce the risk of electrical shock, replace a damaged cord immediately
6. Install your ozone generator as high as possible to prevent water from contacting electrical equipment and in accordance with these instructions
7. Follow all applicable electrical codes
8. Electric shock hazard. Be sure to turn power OFF and disconnect from power source before any service work is performed. Failure to do so could result in serious injury or death.
9. Warning - short term inhalation of high concentrations of ozone and long term inhalation of low concentrations of ozone can cause serious harmful physiological effects. DO NOT inhale ozone gas directly from this device

General Information

The UltraPure ozone generator described in this manual is designed to provide the benefits of ozonated water in an environmentally safe and effective manner. The high quality of specially engineered components ensures efficient ozone output and reliable performance. Operating your UltraPure ozone generator on the low speed cycle will help clean the spa water and extend the lamp life. Check that there is a blue light coming from the ozone generator (opening on corded side) when the spa pump is running on the low speed (filter, heating, water treatment) cycle. This is the only time ozone will enter the spa. Cycle the spa pack through its high speed and off cycles to ensure the ozone generator is off when the pump is off. If your spa is designed to have the ozone generator running full time, check that your unit lights up when it should be, and that a fine bubble mist is entering the spa water.

Performance

With proper installation, setup and steady bather use, we guarantee that your UltraPure ozone generator will give you the following benefits:

- o Decrease in chemical use - compliments of all standard sanitizer systems
- o Reduction of scum rings, eye & skin irritations, combined-chlorine odor, discolored hair & bathing suits
- o Crystal clear, odor free, soft-to-the-touch water and easier-to-clean filters
- o Easy to manage spa water chemistry and balancing

Parts List

UltraPure Ozone Generator	1/4" x 1/4" Popette Check Valve
1/4" ID PVC Blue Tubing	Mounting Screws (2)
1/4" x 3/8" Tubing Adaptor	Owners/Installation Guide

Specifications

Model	Volume (USG)	Ozone Output (gm/hr)	Air Draw (scfh)	Electrical Power (voltage/amps)	Size (L/W/D)	Weight (lbs)	Warranty (Limited)
UPS350	350-800	.028	1-4	120/230/240 1A	10x4x3	3	1 Year
UPS800	800-1600	.057	2-6	120/230/240 1A	16x4x4	6	1 Year
EUVIII	350-800	.045	1-4	120/230/240 .5A	10x4x3	1	3 Year

Location

Mount the UltraPure ozone generator underneath the spa skirt, in a location as high as possible. It may be necessary to install the unit on the wall of the spa room or in a dry place under your deck. The unit should be mounted on a solid surface with the provided screws in the parts packaged. Good airflow around the ozone generator is important and it should be mounted firmly. Mount the unit either horizontally or vertically with the end with the air intake (corded end) pointing downward to prevent the possibility of water from entering the unit.

Important Note: Located under the ozone generator's power cord is an air intake hole. It needs to be left open to allow air to pass through. We strongly suggest you mount your ozone generator as high as possible (above water level if practical) and pull the ozone tubing into a double Hartford loop, which simply means to loop the tubing as high as possible before you connect it to the ozone generator. This helps prevent water flooding the unit, should the check valve ever fail.

Electrical

Many spa manufacturers make the electrical connection very easy by pre-wiring an outlet for your ozone generator on/or inside the equipment pack. Ensure that your UltraPure ozone generator voltage matches the voltage of the spa pack receptacle you are connecting to. A Ground Fault Circuit Interrupter (GFCI) is recommended with a (Nema) wall type plug. In any case, the electrical service must be GFCI protected, as described earlier in this document. Be sure to confirm that the ozone generators plug matches the receptacle and requirements of your control system.

Installation on Ozone Ready Spas

Installing a spa ozone generator is not difficult. Most spa manufacturers sell their spas "Ozone Ready" from the factory. This means your spa manufacturer has done most of the work for you. Even if your spa is not ozone ready, reading through this instruction guide will simplify the installation. If you are replacing an existing ozone generator, you can simply connect to the existing tubing and the replacement should only take a few minutes. Always remember to replace the old check valve with the new one supplied.

1. Locate the end of the factory installed ozone tubing under the spa cabinet skirt. This clear tubing is usually 1/4" ID and may be capped off. Snip off the cap. If the tubing in the spa is 3/8", after snipping off the cap, insert the 1/4" x 3/8" adapter located in the parts package. Then cut a 6" length of 1/4" ID ozone tubing supplied to the reducing adapter.
2. Insert the 1/4" x 1/4" Check valve into the supplied 1/4" tubing, in the proper orientation. (Find the air-in and air-out ends by blowing through it). Ensure that the air will only flow in one direction TOWARD the spa and AWAY from the ozone generator.
3. Attach the other end of the check valve to the spa's ozone tubing. The check valve must be positioned vertically, not horizontally, to prevent premature valve failure.
4. Attach the remaining end of the 1/4" ozone tubing to the barbed fitting on your UltraPure ozone generator.

Installation on Not Ozone Ready Spas

There are a number of other ways to inject ozone into a portable spa which is not ozone ready from the factory. The most common is by using an ozone injector (or venturi) which is available for purchase separately. The injector is best located (spliced) into one of the spas 3/4" water lines, leading to a low jet or jets. Observe the proper direction of water flow, as marked on the injector. The injector creates a slight vacuum, drawing ozone gas from the ozone generator and mixing it with the water. Form the 1/4" ozone tubing into a high double Hartford loop (above the spas water line) to help prevent water from reaching the ozone generator in the event of a check valve failure.

1. Cut the water line leading to a low jet or jets and splice in the ozone injector.
2. Make sure the injector's water flow is away from the pump (observe arrow on the injector to indicate flow direction).
3. Cut about 8" of the 1/4" tubing supplied and push it over the barb output fitting of your ozone generator.
4. Insert the 1/4" x 1/4" check valve into this short tubing section. Confirm air-in and air-out ends by blowing through it. Ensure that the air will only flow one direction TOWARD the spa and AWAY from the ozone generator. Attach the remaining 1/4" tubing to the check valve. Position the check valve vertically, never horizontally. Form a double Hartford loop above the water line of the spa with the tubing.
5. Attach the other end of the 1/4" tubing to the injector's small barbed fitting.
6. Secure the ozone generator with the supplied screws, mounting horizontally or vertically with the open air intake (corded end of the unit) pointing downward to discourage water intrusion.

Your spa ozone generator is engineered to run 4 - 6 hours per day. Longer run times will reduce the life expectancy and may void the manufacturers' warranty.

Troubleshooting

Knowledge of electrical applications is required for troubleshooting. Contact a certified electrician if you are unsure of your ability to service the equipment. Improper servicing will void the ozone generator warranty. If any condition persists, call UltraPure toll free at 877 281 7603 for further technical assistance.

Your UltraPure ozone generator is virtually maintenance free. Should foreign matter enter the lamp chamber, the lamp may be carefully cleaned using methanol alcohol. Always be sure to disconnect the power before removing the end plates and never power on the ozone generator with the end plates removed as UV rays can be harmful to your vision.

PROBLEM	SOLUTION
A blue light is not visible through the air intake hole located on the power cord side	1. Check the cord connection and power (as well as proper voltage) to the source to ensure power is available. When the unit is plugged directly into the spa pack, the pump system must be running at low speed to provide power. If the lamp has been off and the air temperature is cold, please allow time for the UV lamp to warm up.
No suction is being felt from the tubing	1. Check for a bubble mist entering the spa water jets 2. Check for any debris in the tubing. Remove and inspect tubing. Clean and/or replace spa filter. 3. Ensure that the check valve is inserted correctly.
The ozone generator caused my water to go cloudy.	When you ozone generator is first installed, it may cloud the water for a short time. This lets you know its working. If this persists: 1. Make sure that the water chemistry is properly balanced. 2. The operation time of the circulation may need to be increased. 3. Clean or replace clogged spa filter cartridge(s).