

FOR THE RECORD

The model and serial number can be found on the back of the unit. You should record the model and serial number from the back for future reference.

Model: XL-80 Pacifica Series

Date of Purchase: _____

Serial Number: _____

Dealer Name: Aqua Sun Ozone International, Inc.

Dealer Address: 721 S. Eugene Rd. ~ Palm Springs ~ CA ~ 92264

Phone Number: 888-320-8500 (US) or 760-320-8500 (Int'l)

Our commitment to excellence ensures that all products created for our customers are of the highest quality and delivered cost effectively.

Although ozone has been around for decades, it took the innovative technology of Aqua Sun Ozone International to create products that are perfectly adapted to today's residential, commercial, recreational and environmental needs.

Aqua Sun Ozone International was founded in early 1994, specializing in the manufacturing and marketing of ozone air and water purification systems.

Although based in the United States, we distribute our solutions globally. Our purpose is to ensure that cost effective ozone solutions are available in all markets around the world.



Aqua Sun Ozone International, Inc

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US PATENT PENDING # 11 / 790.473

READ AND SAVE THESE INSTRUCTIONS

XL-80

- ◆ **KEEP YOUR SPA CRYSTAL CLEAR WITH LESS HARSH CHEMICALS**
- ◆ **KEEP ALGAE AT BAY WHILE HELPING TO PROTECT THE PLANET**

HIGH-OUTPUT OZONE PURIFICATION SYSTEM INSTALLATION, INSTRUCTION & OPERATOR'S GUIDE READ AND FOLLOW ALL INSTRUCTIONS AND WARNINGS

When using an electrical appliance, basic safety precautions should always be followed, including the following:

WARNINGS:

DO NOT BREATHE IN OR INGEST THE NITRIC ACID CRYSTALS.



Crystals from nitric acid can accumulate in the air lines of the spa ozonator. Wear protective gear when working on the ozonator. Nitric acid will cause chemical burns on skin, if unprotected. Never blow into any equipment that comes with the spa ozonator.

DANGER! High Voltage, risk of electric shock.

- ◆ DO NOT open ozone cover- there are no user serviceable parts.
 - ◆ DO NOT submerge in water
- ◆ DO NOT use with damaged power cord.
 - ◆ DO NOT allow children to use this product.
- ◆ DO NOT mount the Ozone Generator to the exterior of the spa.
- ◆ DO NOT power on the unit if the hose is not attached.
- ◆ ALWAYS connect power cables securely to the control box.
- ◆ ALWAYS disconnect power supply before any servicing is done on the unit.
- ◆ The Ozone Generator should be installed only by qualified professionals.
- ◆ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- ◆ Children should be supervised to ensure that they do not play with the appliance.
- ◆ If it is necessary to take precautions during **user maintenance**, appropriate details shall be given.
- ◆ *Compliance is checked by inspection.*



⇒ Do not operate unit if the power cord is damaged. If the power cord is damaged, the whole unit must be completely replaced.

⇒ Do not operate unit if the cover has been removed, the tubing has been disconnected and/or the bonding wires have been disconnected.

⇒ Inhalation of ozone can cause serious harmful effects. DO NOT inhale ozone gas produced by this device. Do not put the tubing in your mouth. Replace any damaged tubing immediately.

⇒ If the unit requires servicing, always turn off the water supply and disconnect the power supply before removing the unit. Failure to do so could result in injury or death.

⇒ All permanent electrical connections should be made by a qualified electrician.

⇒ Follow all applicable electrical codes.

⇒ **WARNING:** TO REDUCE THE RISK OF ELECTRICAL SHOCK OR FIRE, DO NOT ATTEMPT HOME REPAIR. NO USER SERVICEABLE PARTS ARE INSIDE. REPAIR SHOULD BE DONE ONLY BY AUTHORIZED PERSONNEL.

SAFETY:

This Ozone Generator has been tested and designed for safety and given the UL, CE and TUV approval and listing. If properly installed, ozone performs its oxidizing function and separates before off gassing. Only use the Ozone Generator in properly plumbed spa models.

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Specifications

- ◆ Integrated Ozone Injection Delivery System (IOIDS)
- ◆ Power Input: 100V-240V Universal Power Supply
- ◆ Dimensions: 7¾" x 6¾" x 2¼"
- ◆ Check Valves: Two Internal Inline Ozone Resistant Check Valves
- ◆ Air Inlet: Filtered Ambient Air
- ◆ Ozone Output: 60mg/hr

Injector Specifications

- ◆ Off gassing:
 - ⇒ 30% less than industry standard injector
 - ⇒ 60% less than comparable PVC injector
- ◆ Integral cavity mixing chamber maximizes mass transfer
- ◆ Fewer bubbles introduced into spa water for quieter operation
- ◆ Constructed of industry-proven PVDF ozone resistant material
- ◆ Optimized for operation at 4-6gpm

Features

1. UL Classified
2. TUV Listed
3. CE Listed
3. Solid-state electronics encased in epoxy
4. Simple installation
5. Quality venturi injector and Ozone generator
6. Small, compact design & quiet operation

Instructions for Installation

TOOLS AND PARTS REQUIRED FOR INSTALLATION: (NOT INCLUDED)

- 1) Drill with a Phillips head bit
- 2) Hose cutter/knife
- 3) Two (2) mounting screws (included)

OZONE COMPONENTS:

- 1) Ozone Generator
- 2) Installation Instructions and Operator's Guide
- 3) Two Internal Inline Ozone Resistant Check Valves
- 4) Venturi Injector

NOTE: Read all instructions before installation.

INSTALLATION:

1. Turn off power to Spa
2. Find the ozone generator installation fitting, on the wall of the equipment compartment.
3. Install the Ozone Generator at the ozone generator installation fitting. Utilize the mounting screws and fasten the Unit to the wall. Be cautious of the mounting location as to not cause the screws to penetrate any plumbing.

CONNECTING THE UNIT TO THE RECIRCULATION SYSTEM:

- 1) This Unit has a double check valve system internally, therefore the Hartford Loop is not necessary.
- 2) Follow the flow direction of the Unit to be inline with the 3/4" tubing for your ozone connection.
- 3) Connect the 3/4" tubing to the unit ends, clamp as needed. Do not over tighten these fittings; you could damage the injector.

CONNECTING OZONE GENERATOR TO CONTROL BOX:

Install the Unit's power supply cord into the designated place in the control circuit board. *NOTE:* If the power cord plug doesn't fit the control box receptacle, contact your spa dealer for proper plug configuration.

WARNING: Never try to stick bare wires into a controller box.

IMPORTANT: Position the ozone generator wires as far away as possible from other spa wires. This will eliminate static and radio interference.

COMPLETING INSTALLATION:

1. Reinstall the door to the equipment compartment.
2. Connect the spa's power supply.
3. Check that the Ozone Generator is working properly. Note that bubbles are being placed into the spa via the heater return and you will notice a faint scent that resembles a rain storm.

SPA MONITORING:

The Ozone Generator greatly enhances the water quality in your spa. However, it is suggested that spa owners monitor pH level, total alkalinity, sanitation, and calcium hardness routinely.