



UO3/BO3 Installation Manual

OZONE SANITIZATION SYSTEM INSTALLATION, INSTRUCTION & OPERATOR'S GUIDE

READ AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BELOW

DANGER!: Risk of Electrical Shock or Death!



- ALWAYS turn off the water supply and disconnect power to spa before removing ozone generator for service. Failure to do so could result in severe injury or death.
- No part of the appliance is to be located above the tub during use.
- This device incorporates electrical components so it must be located or fixed so that it cannot fall into the tub.
- This device contains live parts, so it must be inaccessible to a person in the tub.
- This appliance should be supplied through a Ground Fault Circuit Interrupter (GFCI) with a rated tripping current not to exceed 6mA OR through a residual current device (RCD) with a rated tripping current not to exceed 30mA.
- NEVER install this device yourself. This device must be installed by a qualified service professional or electrician.
- NEVER submerge device in water.
- NEVER use product with damaged power cord. This supply cord cannot be replaced. If the cord is damaged the appliance should be scrapped.
- NEVER allow children to use this product.
- NEVER mount product to spa exterior.
- NEVER apply power to device if hose(s) are not attached.
- ALWAYS connect power cables securely to the control box only.
- ALWAYS disconnect power supply to spa before servicing device.

CAUTION: Risk of Electrical Shock or Fire!



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 service personnel.

CAUTION: Risk of Personal Injury!



- NEVER breathe in or ingest the nitric acid crystals for any reason. 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 the spa ozonator or connected plumbing for any reason.
- NEVER inhale concentrated ozone gas produced by this device for any reason since it can cause serious harmful effects.
- NEVER place tubing connected to this device in your mouth for any reason.



SAFETY: Product Safety Agency Ratings

This Ozone Generator has been tested and designed for safety and given the UL and CE Certification. If properly installed, ozone performs its oxidizing function and separates before off gassing.

Only use the Ozone Generator in properly plumbed spa models.



READ AND SAVE THESE INSTRUCTIONS

UO3/BO3 Specifications

- ◆ Ozone output: 50mg/hr.
- ◆ Power Input: 230V-240V | 50-60Hz | 80mA
- ◆ Dimensions: (L) 2.6" (W) 3.3" (H) 1.3"
- ◆ Weight: 0.7 lb.
- ◆ Air Inlet: Filtered Ambient Air
- ◆ Ozone LED (green illumination indicates ozone production)

Features

- ◆ UL | TUV | CE Certified
- ◆ IPX7 Water resistant (excluding the supply connection)
- ◆ Water resistant
- ◆ Ozone-resistant components
- ◆ Solid-state electronics encased in epoxy
- ◆ Simple installation (mounted with 2 screws)
- ◆ Long-life and safe operation
- ◆ Small, compact design & quiet operation



Instructions for Installation

TOOLS AND PARTS REQUIRED FOR INSTALLATION:

1. Drill with a Phillips head bit (not included)
2. Hose cutter/knife (not included)

OZONE COMPONENTS:

1. Ozone Generator with power cord
2. Installation Instructions and Operator's Guide
3. Check Valve (Optional)
4. PVC tubing (Optional)

SIMPLE ANNUAL MAINTENANCE:

1. To maintain the life your ozonator, and your spa replace the check valve annually.

NOTE: Read all instructions before installation.

INSTALLATION:

1. Turn off power to Spa.
2. Install the Ozone Generator utilizing mounting screws (not supplied) and fasten the device to the wall of the Spa in the equipment bay as high as possible.
3. Connect the check valve to the tubing on the output side of the BO3—be sure arrow is facing away from device if not pre-attached.
4. Connect the other end of the check valve to a 5' piece of tubing. Loop PVC tubing over water line to create a Hartford Loop.
5. Connect the end of this piece of tubing to injector or ozone jet.

Flow (left to right)

Ozone generator ⇒ check valve ⇒ tubing (loop) ⇒ injector or jet

CONNECTING OZONE GENERATOR TO CONTROL BOX:

Install the device's power supply cord into the designated place in the Spa control box. *NOTE:* If the power cord plug does not 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. Turn-on spa power
2. Check for water leaks
3. Check for illumination of green LED at bottom of ozone generator
4. Note small bubbles in Spa when in recirculation mode

The Ozone Generator greatly enhances the water quality in your spa. However, it is suggested that spa owners monitor pH level, total alkalinity, and calcium hardness routinely. Change filters as recommended by Spa owners manual.

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