



microOzone Ozone Sanitation System

SOZ-200 Series

Installation Instruction Manual

For Use By Qualified Service Personnel ONLY.



Important Safety Instructions

**PLEASE READ CAREFULLY PRIOR TO
Troubleshooting and Servicing Electrical Equipment**

Definitions:

WARNING (May cause serious injuries or death)

CAUTION (May cause property damage)

For information on NuWhirl Instructions, see:
www.nuwhirl.com/docs/product-instructions.html

When installing and using this electrical equipment, basic safety precautions should always be followed, including:

WARNING: Keep dry. Replace if exposed to water, moisture or contamination.

WARNING: Use and follow these instructions along with all instructions that have been provided with your whirlpool bathtub in order to fully enjoy the bathtub safely.

WARNING: Electronic control system components should be installed as per local and national Electrical Codes, in a location not to be subjected to splashing or flooding. Exposure to water or splashing will void all product certifications and warranties.

There are no user serviceable parts inside. Opening, modifying, or tampering with control system components will void all product certifications and warranties.

WARNING: Risk of electric shock. Connect control only to a ground type receptacle or power supply junction box protected by a Ground-Fault Circuit Interrupter (GFCI). Contact a qualified electrician if you cannot verify that the power supply is protected by a GFCI. The GFCI should be tested on a routine basis. Consult the GFCI manufacturer's instructions for correct testing and operation.

For electrical connections, see applicable wiring diagram.

See www.nuwhirl.com/docs/product-instructions.html

Do not use an extension cord to connect the product to the electric supply; provide a properly located receptacle or junction box.

WARNING: Failure to install in strict accordance with each and every instruction above may compromise the system, which may cause injury to persons and/or property.

The tub may be supplied from more than one power source. Before working on any electrical device, make sure all power to the control system is off.

Use this unit only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer. Any improper installation or misuse of the equipment may result in injury to the user and will void the warranty.

Save these instructions.

micrOzone Sanitation System Installation Instructions

Table of Contents

Tools Needed for Installation & System Components.....	P.4
Installation.....	P.4
Power Connection.....	P.5
System Diagrams.....	P.6



Tools Needed for Installation



Hose Cutter



**Drill with Phillips
Head bit**

micrOzone Components

- **SOZ-200XXX** Ozone Generator with power cord
- **556025CVA** Check Valve & Tubing Assembly
- **MANSOZ200** Installation Instructions

Installation Instructions

1. Turn off power to bathtub.
2. Install the device utilizing mounting screws (not supplied) and fasten the device securely to the frame of the bathtub within the equipment bay, as high as possible.
3. Connect the open end of the tubing provided to the output side of the micrOzone unit.
4. At the other end of the provided tubing is a check valve. Connect this valve to 3/8" ID tubing and loop the tubing over the water line to create a Hartford Loop.

micrOzone Sanitation System Installation Instructions

5. Connect the end of the 3/8" hose (556025CVA) to the Air Line on the Venturi Water Jet.

A TEE to splice into this line is required. Common sizes for Air line on Venturi are 3/8" and 1/2".

Note: If the Air line is 1/2", both a 1/2" tee and a 1/2"x 3/8" reducer bushing are required for connection with micrOzone.

Note: To maintain the life of the ozone generator system, the check valve and tubing assembly should be replaced annually.

Connecting micrOzone to Control Box or GFCI Power Source

Install the device's power supply cord into the designated place into the bathtub control box or a GFCI power outlet. To reduce static and radio interference, position the generator wiring distant from other wiring.

Note: If the power cord plug does not fit the control box receptacle, contact your bathtub dealer for proper plug configuration.

WARNING: Never attempt to insert bare wiring into a controller box.

Completing Installation

- Turn on power to the bathtub
- Activate the pump
- Inspect the system for leakage
- Check for illumination of the green LED at the bottom of the generator

CAUTION: Secure all tubing connections with a cable tie, being careful not to crimp or restrict the tubing.

Note: The green Power LED on the ozone generator will be lit perpetually if the unit is plugged directly into a GFCI outlet. This is normal and signifies that the unit is ready to generate ozone. However, ozone **will not** be generated until there is a vacuum flow from the connected pump or blower through the jet venturi system.

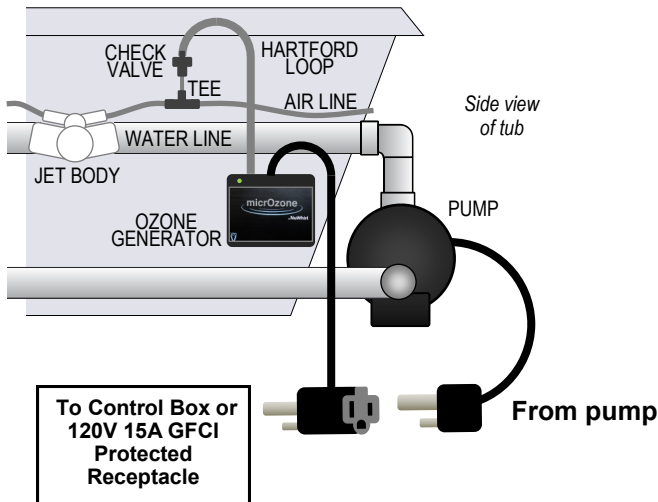


micrOzone Installation Diagram—Option #1

System Identification: SOZ-200XXX (Air Line Tee)

System features: micrOzone System, Air Line Tee

Ozone Generator Installation:



NOTES:

- Mount the lowest portion of the ozone generator a minimum of 1 1/2" above the floor of where the equipment is mounted. Generator may be mounted in any position.
- **Ventilation Required:** Do not install within an enclosure that would restrict ventilation.
- **Recommended Servicing:** NuWhirl recommends that the check valve and tubing be changed annually.
- **To be used in conjunction with all other product instructions published by NuWhirl.**

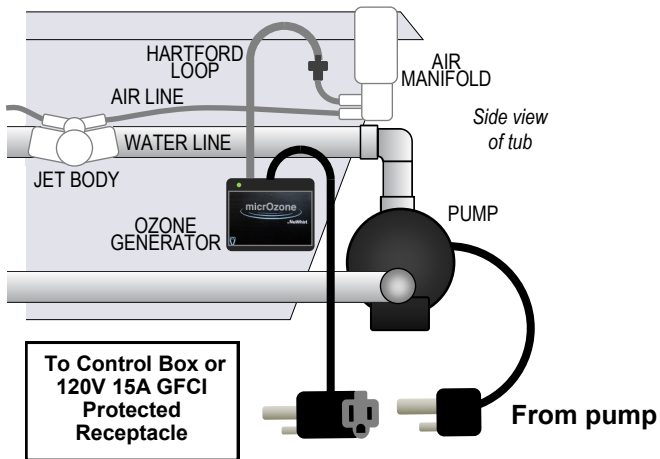
microOzone Sanitation System Installation Instructions

microOzone Installation Diagram—Option #2

System Identification: SOZ-200XXX (Manifold)

System features: microOzone System, Air Line Manifold

Ozone Generator Installation:



Retain this manual for future reference

