

Obtaining Service Under the Warranty

Any product and/or part not performing satisfactorily may be returned to CWT for evaluation. A Return Goods Authorization (RGA) number must first be obtained by either calling or writing your local authorized dealer, distributor or CWT direct, prior to shipping the product. The problem experienced with the product and/or part must be clearly described. The RGA number must appear prominently on the exterior of the shipped box(es). The product and/or part must be packaged either in its original packing material or in comparable and suitable packing material, if the original is not available. You are responsible for paying shipping charges to CWT and for any damages to the product and/or part that may occur during shipment. It is recommended that you insure the shipment for the amount you originally paid for the product and/or part.

If, after the product and/or part is returned prepaid and evaluated by CWT, it proves to be defective while under warranty, CWT will, at its election, either repair or replace the defective product and/or part and will return ship at lowest cost transportation prepaid to you except for shipments going outside the 50 states of the United States of America. If upon inspection, it is determined that there is no defect or that the damage to the product and/or part resulted from causes not within the scope of this limited warranty, then you must bear the cost of repair or replacement of damaged product and/or part and all return freight charges. Any unauthorized attempt by the end user to repair CWT manufactured products without prior permission shall void any and all warranties. For service, contact your authorized dealer or distributor or CWT direct at (805) 549-9724.

Exclusive Warranty

There is no other expressed warranty on CWT products and/or parts. Neither this warranty, nor any other warranty, expressed or implied, including any implied warranties or merchantability of fitness, shall extend beyond the warranty period. Some states do not allow limitation on how long an implied warranty lasts, so that the above limitation or exclusion may not apply to you.

Disclaimer of Incidental and Consequential Damages

No responsibility is assumed for any incidental or consequential damages; this includes any damage to another product or products resulting from such a defect. Some states do not allow the exclusion or limitation of incidental or consequential damages, so that above limitation or exclusion may not apply to you.

Legal Remedies of Purchaser

This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

**THIS STATEMENT OF WARRANTY SUPERSEDES ALL OTHERS
PROVIDED TO YOU AT ANY PRIOR TIME.**

Ozone Systems

Installation & Operation Manual

Ozone System



ClearWater Tech, LLC.
Integrated Ozone Systems

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APPENDIX B – WARRANTY INFORMATION

ClearWater Tech, LLC. Limited Three-Year Warranty

Summary of the Warranty

ClearWater Tech, LLC (“CWT”) makes every effort to assure that its products meet high quality and durability standards and warrants the products it manufactures against defects in materials and workmanship for a period of three (3) year, commencing on the date of original shipment from CWT, with the following exceptions: 1) The warranty period shall begin on the installation date if the installation is performed within 90 days of the original shipment from CWT; 2) The warranty period shall begin on the date of the bill of sale to the end user if the installation date is more 90 days after the original shipment date. To validate the warranty, a warranty card, accompanied by a copy of the bill of sale, must be returned to CWT and must include the following information:

- End user name
- Complete address, including telephone number
- Date installed
- Complete model and serial number information
- Name of company from which the unit was purchased



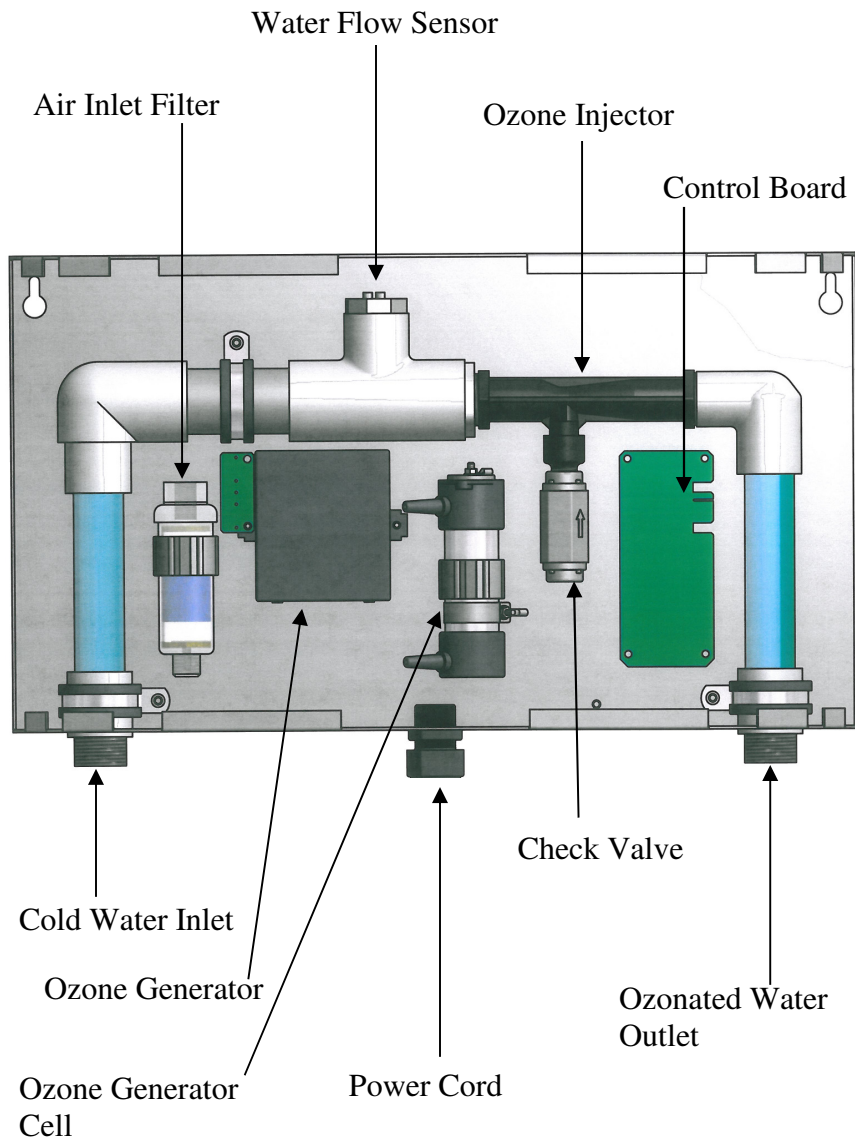
Repairs and replacement parts provided under this warranty shall carry only the unexpired portion of this warranty or 90 days, whichever is longer.

Items Excluded from the Warranty

This warranty does not extend to any product and/or part from which the factory assigned serial number has been removed or which has been damaged or rendered defective as a result of:

- An accident, misuse, alteration or abuse
- An act of God such as flood, earthquake, hurricane, lightning or other disaster resulting only from the forces of nature
- Normal wear and tear
- Operation outside the usage parameters stated in the product user’s manual
- Use of parts not sold by CWT
- Service or unit modification not authorized by CWT
- Check valve/solenoid valve failure
- Damage which may occur during shipping
- Failure to meet service requirements as outlined in the I & O manual
- Damage due to exposure to other chemicals

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INTRODUCTION

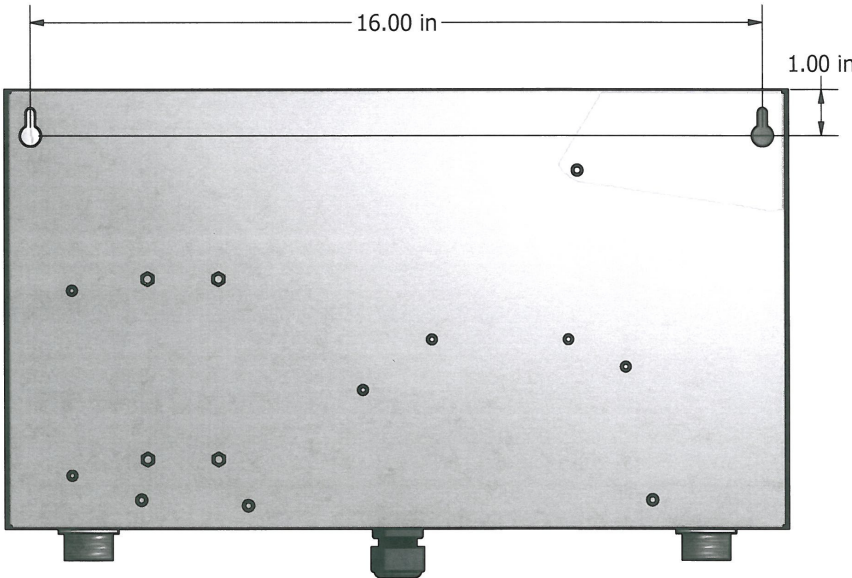
This Installation and Operation Manual is written to assist in the installation, operation and maintenance of systems manufactured by ClearWater Tech, LLC. This equipment has been designed using the most modern materials and technology available.

Please read this manual carefully and in its entirety before proceeding with any installation, operation, or maintenance procedure associated with this equipment. Failure to follow these instructions could result in personal injury, damage to the equipment, or reduced product performance.

In an ongoing effort to improve reliability and operating efficiency, ClearWater Tech may find it necessary to make changes to its products. Therefore, the information contained in this manual may not conform in every respect to earlier versions of ClearWater Tech systems found in the field. If you have any questions, please contact your ClearWater Tech dealer or the ClearWater Tech service department.

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APPENDIX A - SPECIFICATIONS

Electrical Input: 120 Vac 60Hz, 0.5A

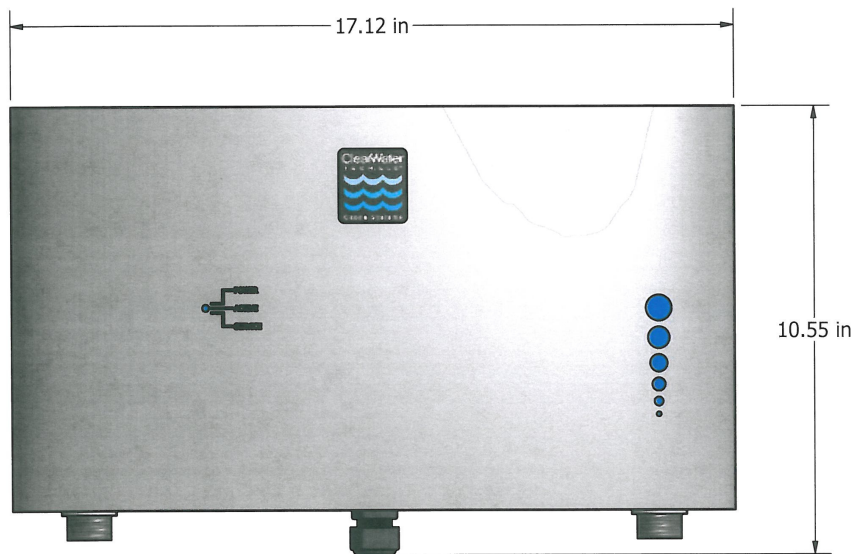
220 Vac 50Hz, 0.3A

Water Pressure: 20psi to 100psi

Water Operating Temperature: Cold water only, hot water will reduce the effectiveness of the ClearWater Tech Ozone System

Dimensions: 17.12in X 10.55in X 2.57in

Weight: 6 lbs.



THEORY OF OPERATION

This ClearWater Tech Ozone System is an environmentally friendly device allowing you to infuse dissolved ozone into a water stream. Using only a small amount of electricity, the ClearWater Tech Ozone System takes oxygen from the air and converts it into ozone (O₃), a very powerful natural oxidizer.

Since ozone is created using only oxygen and electricity, any unused ozone quickly breaks down to oxygen, leaving no harsh chemical residue and discharging no harsh chemicals into our waste water.

Thank you for taking care of our planet by using the ClearWater Tech Ozone System for your oxidizing needs.

INSTRUCTIONS

1. **Save These Instructions**
2. **Before using, please read the owner's manual carefully**
3. **Disconnect power before servicing**
4. **Make sure the ClearWater Tech Ozone System is horizontal. See installation instructions. Do not mount vertical or at any angle.**
5. **Do not operate the unit with the cover removed**
6. **Do not use an extension cord.**
7. **Water treated by the ClearWater Tech Ozone System is not intended for drinking or ingesting.**
8. **The ClearWater Tech Ozone System is intended for use with the cold water line only. Hot water will not damage the ClearWater Tech Ozone System but it will greatly reduce its effectiveness.**
9. **The ClearWater Tech Ozone System should be cleaned with a damp cloth. Avoid using harsh chemicals, abrasives, or cleaners.**
10. **Warning - The unit has only been evaluated for mechanical, electric shock, and fire hazards. The method to control ozone release or the effectiveness of the water treatment has not been investigated.**
11. **Warning – Short Term Inhalation of High Concentrations of Ozone and Long Term Inhalation of Ozone Can Cause Serious Harmful Physiological Effects. Do Not Inhale Ozone Gas Produced BY This Device.**

TROUBLE SHOOTING

Green light does not come on

- Verify the unit has power

Blue light does not come on

- Make sure that water is running through the system
- Make sure the cold water line valve is open completely

Indicator light is red

- The unit needs servicing

Indicator light is red and there is an audible alarm

- There is a water leak in the system. Close off the cold water line to the system immediately.

SERVICING

Annual service

- Replace the air inlet filter
- Replace the check valve

Indicator light is red

- Replace the Ozone generator cell.
- Reset the service light by jumping the two contacts on the water detection PCB with a screwdriver

OPERATING INSTRUCTIONS

Once installed the ClearWater Tech Ozone System is ready to use, simply use the water as you always have and ozone will automatically be added to the water stream.

The ClearWater Tech Ozone System will have a green indicator light letting you know the unit is operating normally and in standby mode waiting for water to flow through the system.

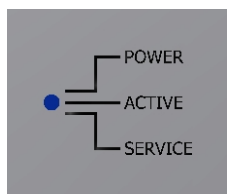
When water flows through the system, the ClearWater Tech Ozone System will automatically sense the flow and turn on. The indicator light will turn from green to blue and the indicator window will become illuminated so you can observe the ozone bubbles in the water as it flows through the system.

If a leak occurs in the system, the indicator light will turn red, the lights in the indicator window will begin flashing, and an audible alarm will alert you to the problem.

Summary of LED Indicators

Figure 3

Indicator LED	Description
Green	System is in standby
Blue	System is running
Red	System needs maintenance
Red with Alarm	Leak Detected



12. 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 use of the appliance by a person responsible for their safety.
13. Children should be supervised to ensure that they do not play with the appliance.
14. **GROUNDING INSTRUCTIONS** – This appliance must be grounded. In the event of a malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. This appliance is equipped with a cord having an appliance-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is installed and grounded in accordance with all local codes and ordinances.
15. **WARNING** – Improper connection of the appliance-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative if you are in doubt whether the appliance is properly grounded. Do not modify the plug provided with the appliance; if it will not fit the outlet, have a proper outlet installed by a qualified technician.
16. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

INSTALLATION PROCEDURES

Unpacking

Make sure all of the components are in the box before beginning installation of the ClearWater Tech Ozone System. In addition to this manual, you should have the ClearWater Tech Ozone System and mounting hardware.

Locate a Mounting Location

Before beginning the installation, locate a suitable location for the ClearWater Tech Ozone System. Find a flat portion of a wall, preferably close to the location where ozonated water is needed. Please consider the following when selecting a mounting location:

- Never install the ClearWater Tech Ozone System in an area where water may freeze. Freezing water will damage the internal components.
- The ClearWater Tech Ozone System is to be installed horizontally. Mounting vertically, or at an angle may make the leak detection circuitry ineffective.
- The ClearWater Tech Ozone System is to be close enough to a power outlet so an extension cord is not necessary.
- The ClearWater Tech Ozone System is to be close enough to the unit using the ozonated water to be able to make the proper water hose connections.

Mount the ClearWater Tech Ozone System

- The mounting keyholes are located 16 inches apart.
- Use the appropriate tools and mounting hardware for the material the wall is constructed from and install 2 screws 16 inches apart and each equal distance from the ground to ensure the unit is horizontal.
- Do not tighten the screws completely; instead leave ¼ inch space between the head of the screw and the wall.
- Place the ClearWater Tech Ozone System on the screws.

Connecting Water

- Turn off the hot and cold water lines.
- Disconnect the cold water from the unit that will use the ozonated water and connect this line to the inlet of the ClearWater Tech Ozone System (see the diagram below).
- Connect a new hose from the outlet of the ClearWater Tech Ozone System to the cold water inlet of the unit that will use the ozonated water (see the diagram below).
- Make sure all of the water connections are tight.

Connect Power

- Plug the ClearWater Tech Ozone System into a GFCI protected outlet.
- Verify the green light illuminates after a few seconds.

Feature Callout

Figure 2

