

Off-Gas Destruct System

Installation Instructions



ClearWater Tech, LLC.
Integrated Ozone Systems

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OFF-GAS DESTRUCT SYSTEM INSTALATION INSTRUCTIONS

The ClearWater Tech ozone off-gas destruct system consists of two components – the ozone destruct unit (a heated chamber filled with manganese dioxide and copper oxide) and a water trap. The two-stage system is designed for convenient installation on a vertical surface adjacent to the contact vessel, eliminating the need for extra clearance above the vessel. Used in conjunction with the ClearWater Tech off-gas vent, this ozone destruct system is an efficient way to properly vent the contact vessel for indoor applications.

NOTES:

- The ozone destruct unit must have constant power to function correctly. Make sure it is plugged into an unswitched 120VAC outlet (OCD11) or wired to an unswitched 240VAC power (OCD21). Once up to temperature the unit will remain warm to the touch.
- Small amounts of water will be draining out of the water trap, so it must be plumbed accordingly.
- The water trap drain line must be unobstructed at all times and must no be connected to a pressurized line.

Step 1: Using the clamps provided, mount the water trap onto a vertical surface adjacent to the contact vessel.

Step 2: Using the mounting tabs, mount the ozone destruct unit adjacent to the water trap.

Step 3: Using Teflon® tape, install the small ball valve into the side opening (at the upper tee) of the water trap.

Step 4: Using the fitting provided, attach one end of a length of 1/4" Teflon® tubing to the off gas vent on the top of the contact vessel. Attach the other end of the tubing to the inlet of the small ball valve installed on the water trap.

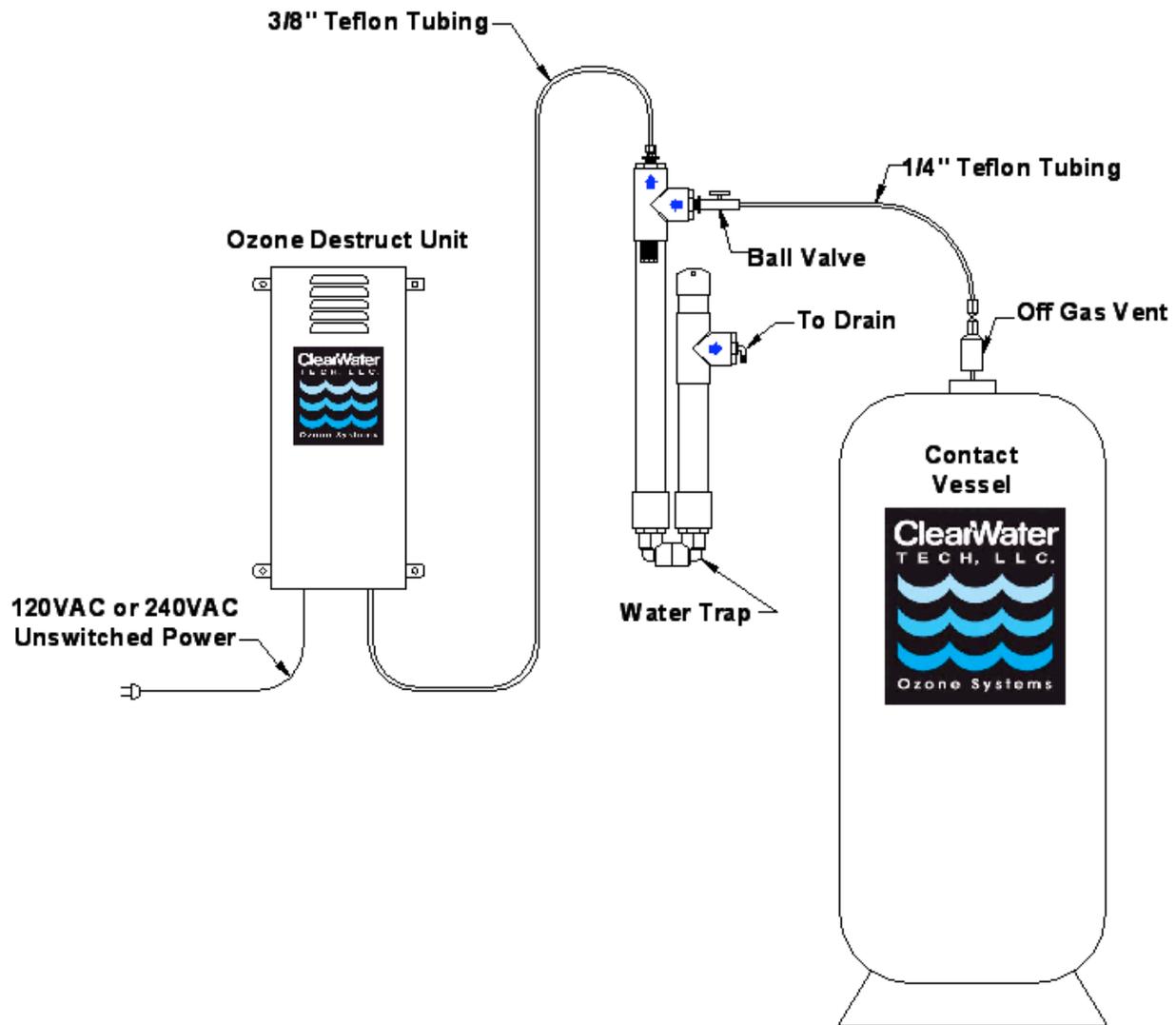
Step 5: Attach a length of 3/8" Teflon® tubing to the fitting on the top of the water trap. Attach the other end of the tubing to the inlet of the ozone destruct unit.

Step 6: Attach a suitable length of braided tubing to the barbed drain fitting on the side (at the lower tee). The other end should terminate to appropriate drain.

Step 7: Plug the ozone destruct unit into an unswitched 120VAC outlet (OCD11) or wire to 240VAC power (OCD21) and allow it to warm up.

Step 8: When the ozone system is running (i.e., water is flowing through the system and the contact vessel is full of water), adjust the small ball valve at the tee of the water trap so that only a small amount of water is “spitting” into the water trap. This will indicate that the contact vessel is full and only a very small amount of water is allowed to escape.

Step 9: Remove vent cap on the short side of the water trap (above drain barb). Fill the water trap with water until the water over flows though the drain barb. Replace vent cap. **NOTE:** Due to evaporation the water trap may need to be refilled occasionally. **CAUTION:** If water level in the water trap is too low or the trap is empty of water ozone may off-gas into the ambient air.



ClearWater Tech, LLC. Limited One-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 one (1) 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

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.