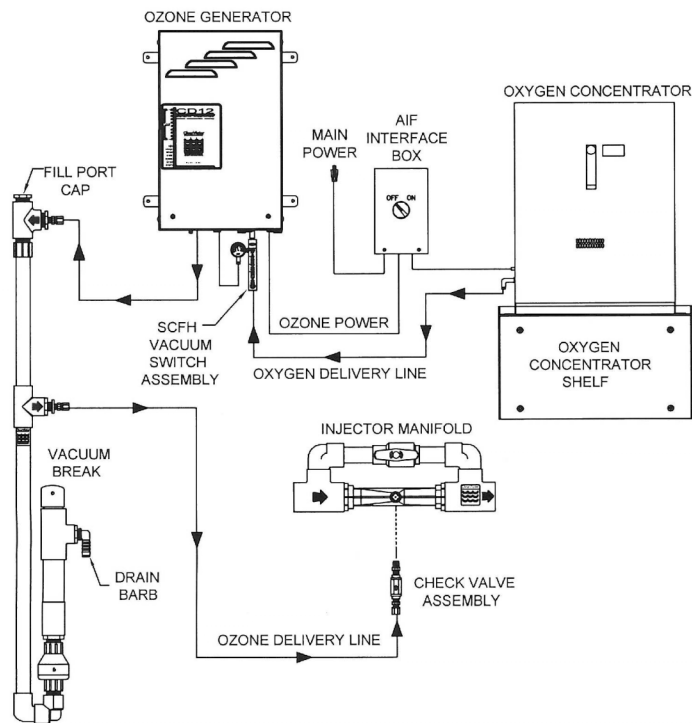


CIP800 Quick Installation Guide

Product Description

The ClearWater Tech, LLC CIP800 Packages are complete and fully integrated for easy installation. The CIP800 uses Pressure Swing Absorption (PSA) oxygen technology for maximum ozone output efficiency, a variable output Ozone Generator with an LED light display, a positive- atmospheric Vacuum Break for water back flow prevention, an Injector Manifold with Check Valve Assembly for mass transfer of ozone in solution and an SCFH (Standard Cubic Feet Per Hour) and Vacuum Gauge Assembly for accurate operating parameter measurements. The assembly also includes a normally open Vacuum Switch that will signal the ozone generator, which will energize and de-energize ozone production.

Specification Chart				
System	Ozone Generator	Ozone Output	Vacuum	System Control
CIP800	CD12	8.0g/h @ 8 SCFH, 3% by weight	-3 to -8inHg	Vacuum Switch



Quick Install

- Step 1:** Unpack and placement. Mount ozone generator and oxygen concentrator shelf to a suitable flat vertical surface. Set the oxygen concentrator on the shelf.
- Step 2:** Install the Injector Manifold and thread the Check Valve Assembly onto the Venturi. To prepare for start-up, close the by-pass valve half way. This will create vacuum at the injector as soon as water is flowing through the injector manifold.
- Step 3:** Install the contact vessel and off-gas vent (if so equipped).
- Step 4:** Apply separate power to the oxygen concentrator and set the air flow to 8 SCFH before connecting the delivery line to the ozone generator. **NOTE: The SCFH gauge on the oxygen concentrator will reduce in flow rate after connecting the oxygen delivery line.**
- Step 5:** Connect the oxygen delivery line from the oxygen concentrator to the ozone generator, securing with hose clamps at each end.
- Step 6:** AIF30 120VAC 60Hz - Plug in both the ozone generator and oxygen concentrator into the outlets provided. **NOTE: There is no specific orientation of the plugs.** AIF40 240VAC 50/60Hz - Cut off the plugs of the ozone generator and oxygen concentrator main power cords. Strip cord back and terminate inside the AIF40 to the main terminal strip provided. **NOTE: Use main power ground stud (inside AIF40) to ground both units.**
- Step 7:** Mount the SCFH/Vacuum Gauge Assembly to the ozone generator according to the installation directions provided. **NOTE: Plug 2-position connector into the ozone generator's external loop connection, located at the bottom of the ozone generator.**
- Step 8:** An external 4-20mA control signal may be used to control ozone output. According to the 4-20mA control device I/O Manual, wire in the Orange (+) and Purple (-) leads located under the ozone generator to the 4-20mA controller. **NOTES: The 4-20mA signal will over-ride the Manual Ozone Output Control setting.**
- Step 9:** Connect the Teflon® ozone delivery line; from the ozone generator to the vacuum break, then from the vacuum break to the injector manifold check valve assembly.
- Step 10:** Remove Vacuum Break Fill Port Cap. Fill the Vacuum Break with water through fill port until the water spills out of the drain barb. Replace fill port cap.
- Step 11:** Switch the main power switch of the ozone generator to the 'ON' position (if not already done so). Apply Main Power to the AIF box.
- Step 12:** Switch main power of the AIF box to the 'ON' position.
- Step 13:** Initiate water flow through the ozone injector manifold.
- Step 14:** Make final adjustments to the to by-pass valve on the injection manifold and needle valve of the SCFH/Vacuum gauge assembly to set the SCFH, while at the same time achieving the correct vacuum (middle of the 'Green Zone').

NOTE: See Specification Chart above for the parameter settings.



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