

Fusion Enhanced Oxidation Generator Annual Maintenance

In addition to standard annual maintenance of water conditioning equipment (checking injector, drain line components, etc.), the following should be done on all ozone-based filters:

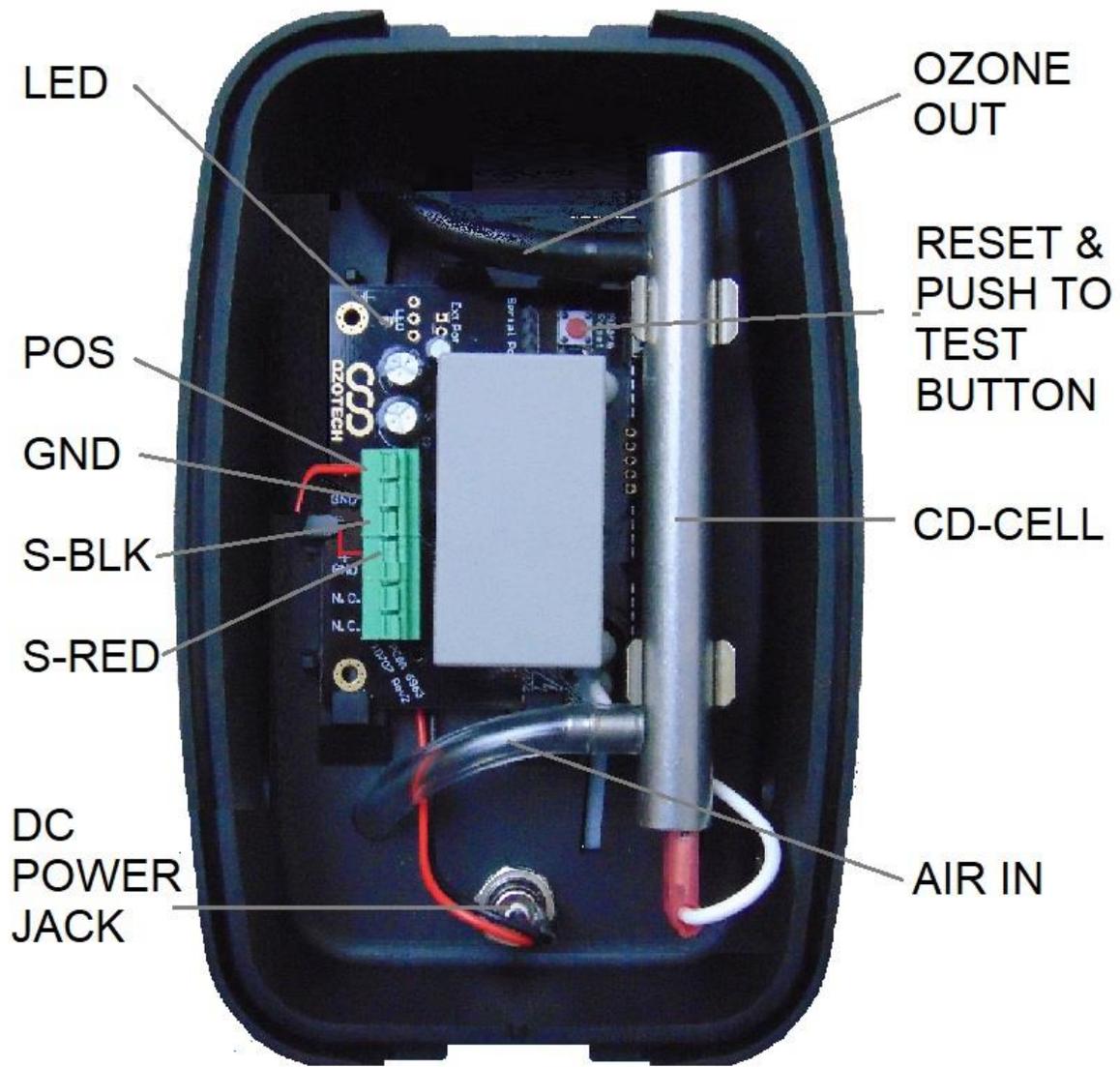
1. Changing the Brine Line Check Valve.

- a. The white disc is a Kynar check valve with a Viton diaphragm. The barbed connection should just pull out of the tube. If the tube is cold and it is difficult removing it from the check valve then warming the tube with hot water will help.
- b. Disconnect the ozone tube from the corona cell.
- c. Submerge the tube end (above the check valve) into a cup of hot tap water for 3 minutes
- d. Pull tubes from the check valve and replace the check valve with the beveled side of the disc facing towards the suction ell.

2. Changing the Brine Line Check Valve and Cleaning the Corona Cell

- a. Disconnect the power connection from the ozone generator.
- b. The white disc is a Kynar check valve with a Viton diaphragm. The barbed connection should just pull out of the tube. If the tube is cold and it is difficult removing it from the check valve, then warming the tube with hot water will help.
- c. Disconnect the ozone tube from the corona cell.
- d. Submerge the tube end (above the check valve) into a cup of hot tap water for 3 minutes
- e. Remove the blue cover from the body of the black body of the ozone generator.
- f. Remove the blue pumice stone air filter, outside of the ozone generator housing, from the clear tube.
- g. Remove the zip tie on the corona cell (if present) and carefully remove the corona cell from the brackets that attach it to the board.
- h. Carefully remove the red electrical connection from the bottom of the corona cell.
- i. Disconnect the cell from the unit.

- j. The cell needs to be flushed with high purity water, either R.O., D.I., or Distilled water. Now you're ready to flush the cell.
- k. Use a bulb or large 60 cc syringe to flush water through the corona cell.
- l. Pull back on the syringe to pull water into the cell and push to flush the water out. You'll need to continue this process until the water in the cup is completely clear.
- m. Once the cell has been completely flushed and the water is clear, its time to dry the cell. Use a compressed gas duster (or computer dust spray) by placing the nozzle into one of the tubes on the cell and depressing the trigger until the moisture is gone from the cell.
- n. Pull tubes from the check valve and replace the check valve with the beveled side of the disc facing towards the suction end.
- o. Now that the Corona cell is clean, it can be reinstalled into your unit. Cleaning the corona cell can be completed quickly and will keep the unit at peak performance for years to come.



Internal Layout of Ozone Generator



Corona Cell with Filter Stone



Corona Cell Without Filter Stone