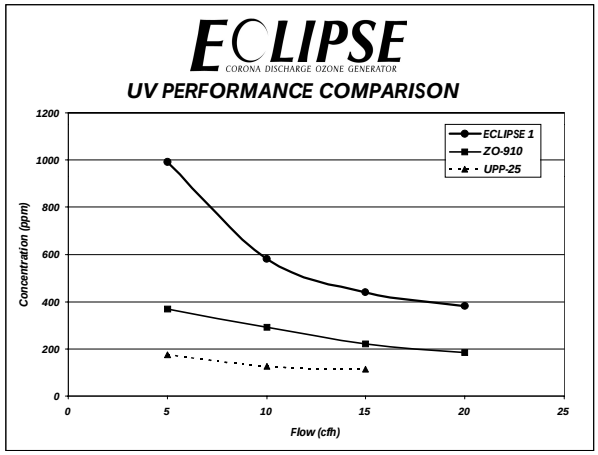
Corona Discharge Ozone Technology for Residential Pools... No Longer the Exception, Now the Rule!

DEL Industries, manufacturer of ozone generators for both residential and commercial applications in the pool industry for over 20 years, introduces a revolutionary new line of corona discharge (CD) ozone generators for residential pools. The ***Eclipse™*** line of ozone generators offered by DEL Industries provides CD ozone generation technology and performance at the same price range as typical ultraviolet (UV) ozone systems. The use of corona discharge technology by DEL results in substantial increases in ozone output and reliability with greatly reduced power consumption and unit size. In addition, due to DEL's vast experience in commercial and industrial corona discharge applications, DEL Industries has the know-how to design a corona discharge system that avoids consequences of nitric acid build up.

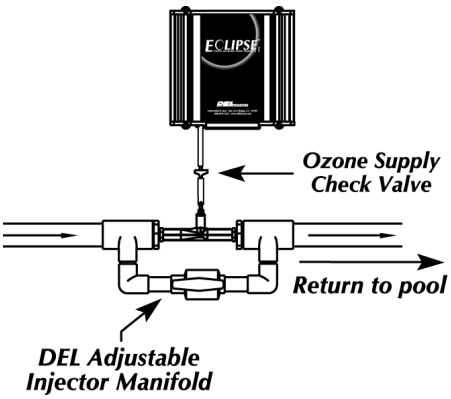
There are four Eclipse models available for both new and existing pools. The Eclipse 1, 2 and 4 are rated for pools up to 7,000, 15,000 and 25,000 gallons, respectively. Additionally, the unique ***Total Eclipse™*** , for new construction pools up to 25,000 gallons, offers 24-hour operation independent from the main pool pump. The Total Eclipse has a built-in circulation pump and injector that continuously circulates and ozonates pool water via a dedicated return line.

Corona discharge ozone generation technology is far superior to ultraviolet technology with regard to ozone output and energy consumption. The high voltage/high frequency corona discharge electrodes used in the Eclipse units uses approximately 10W of electricity. This equates to an operating cost of approximately $.03 per day (24 hour operation) for the Eclipse™ 1, $.06 per day for the Eclipse™ 2, and $.12 per day for the Eclipse™ 4. By comparison, a comparable ultraviolet system uses approximately 200W (an operating cost of $.58 per day), nearly twenty times more.

Ozone output from each corona discharge electrode used in the Eclipse units is rated at 450 ppm at 15 cfh. As shown in the graph below, the ozone output of the Eclipse is far superior to that of UV systems. The Eclipse 1 produces 400 ppm at 20 cfh and ranges up to 1,000 ppm at 5 cfh. This effectively produces a relatively constant ozone quantity over a wide range of injector flow rates which may differ from pool to pool. Use of the Eclipse will guarantee appropriate ozone outputs regardless of the pool's flow rate.



The Eclipse units are UL classified for indoor or outdoor installation and install as easily as their UV predecessors. The Eclipse 1, 2 and 4 units are shipped with an adjustable injector manifold that is easily plumbed into the pool system following all other equipment as shown below. Using the ball valve on the injector manifold, suction from the injector can be adjusted to maximize the dissolution of ozone into the pool water.



Once the Eclipse unit and injector manifold are installed, the Eclipse is wired to the pool system timer so that it will operate in conjunction with the other pool equipment. The Eclipse will run without maintenance for approximately 9,000 hours at which time the corona discharge electrode should be replaced. Front mounted indicator lights on the Eclipse illuminate telling the user when the electrode(s) are working.

Corona discharge technology is no longer the exception in the pool industry, it is now the rule! For more information, contact DEL Industries, Inc., San Luis Obispo, California. Toll free: 1-800-676-1335, Fax: 805-541-8459, website: www.delozone.com, Email: o3info@delozone.com.

DEL INDUSTRIES
Ozone Water Purification Systems