

Ozone

The Next Best Thing to a Natural Spring

Imagine

a swimming pool brimming with the most pristine water you've ever seen. Imagine your children splashing and playing in the purest, healthiest water around. Imagine benefiting the planet while you swim in less chemicals. With DEL Ozone's Eclipse™ Corona Discharge Ozone Generators, you and your family can start enjoying this brilliant water in your own backyard because the natural process of ozonation not only cleans the water in your pool, it purifies it.

Reduces Environmental Impact

Easy Installation; Retrofittable

Reliable and Energy Efficient

Reduce Chlorine Use By 60-90%



DEL  ozone™

ECLIPSE

Traditional pool chemicals such as chlorine sanitize pool water very slowly and leave undesirable byproducts that are irritating to swimmers. Ozone sanitizes the water faster and more efficiently while destroying these chemical byproducts. Ozone has long been used to purify bottled water and today is an integral step in the purification process of most major bottled water brands.

Ozone is oxygen (O₂) with an extra oxygen atom attached (O₃). The third oxygen atom oxidizes and destroys up to 99.99% of microorganisms in your pool, including bacteria, viruses and molds. Ozone further breaks down and destroys contaminants such as cosmetics, body oil, perspiration and urine found in the water. Reverting back to oxygen when its work is done, ozone leaves no unpleasant byproducts in the water.

	Eclipse™-1	Eclipse™-2	Eclipse™-4	Total Eclipse™-2	Total Eclipse™-4
Application (Primary)	7,000 gallons	15,000 gallons	25,000 gallons	25,000 gallons	50,000 gallons
Application (Supplemental)	25,000 gallons	50,000 gallons	100,000 gallons	50,000 gallons	100,000 gallons
Dispersion Method	Plumbs into the pool line; injects ozone through a venturi injector (included) when the pool circulation system operates			Plumbs in at time of construction on own independent line. Ozone is injected via a built-in venturi injector system and has a built-in recirculation pump for 24 hour operation	
Number of CD Electrodes*	1	2	4	2	4
Number of Power Supplies**	1	2	4	2	4
Average Delivery	0.25 g/hr	0.5 g/hr	1.0 g/hr	0.4 g/hr	0.8 g/hr
Recommended Standard Air Flow	15 scfh	15 scfh	15 scfh	5 scfh	5 scfh
Average Ozone Concentration (At Rated Flow)	450 ppm	700 ppm	1,350 ppm	1,540 ppm	3,100 ppm
Electrical (110/120V)	0.06A / 10W 60Hz	0.12A / 20W 60Hz	0.24A / 40W 60Hz	1.5A / 192W 60Hz	1.5A / 192W 60Hz
Electrical (220/240V)	0.03A / 10W 50 / 60Hz	0.06A / 20W 50 / 60Hz	0.12A / 40W 50 / 60Hz	0.6A / 192W 50 / 60Hz	0.6A / 192W 50 / 60Hz
Size	7.7" x 8" x 2.7"	7.7" x 14" x 2.7"	7.7" x 24" x 2.7"	14" x 17" x 7"	14" x 17" x 7"
Weight	3.5 lb. (120V) 4.0 lb. (240V)	5.5 lb. (120V) 7.0 lb. (240V)	10.5 lb. (120V) 14.0 lb. (240V)	25 lb.	27 lb.
Listings / Certifications	UL, cUL, CE	UL, cUL, CE	UL, cUL, CE	UL, cUL	UL, cUL

Included Components: Eclipse™ Ozone Generator (cabinet: aluminum construction), adjustable injector manifold, ozone supply tubing, standard parts bag, installation manual, DEL flow meter.

Warranty: One year

*All electrodes are rated for 15,000 hours of operation at over 80% capacity

**All power supplies are rated to operate for the life of the product under normal operating circumstances



*Eliminates harmful chloramines and carcinogens
Kills bacteria, viruses, molds, fungus and spores
Won't irritate eyes, dry out skin or fade swimwear
Destroys oils, lotions and other contaminants*

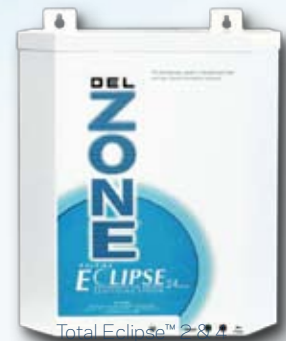
Eclipse™ Series

The Eclipse™ line consists of three models: Eclipse™-1, Eclipse™-2, and Eclipse™-4. The Eclipse™-1 is designed for use on pools from 7,000 gallons (primary) to 25,000 gallons (supplemental), the Eclipse™-2: 15,000 gallons (primary) to 50,000 gallons (supplemental), and the Eclipse™-4: 25,000 gallons (primary) to 100,000 gallons (supplemental). They are connected to your main circulation system so each time your main pump turns on, ozone will automatically be introduced into the water, keeping your pool water clean, clear and perfectly refreshing.



Total Eclipse™ 2 & 4

The Total Eclipse™ is the ultimate ozone generator for in-ground pools up to 50,000 gallons (primary) to 100,000 (supplemental). It has a built-in circulation pump for quiet, continuous 24-hour operation independent of all other pool equipment. Because it operates continually, it reduces chlorine use even further, more than any other ozone generator on the market, for fresh, pure water all day, every day.



Mixing Degas Vessel (MDV) for Eclipse™ & Total Eclipse™

By eliminating ozone off-gas, the MDV prevents bubbles from disrupting the surface of the pool or from gathering under the pool or spa cover. The MDV gives you the freedom to “oversize” ozone to achieve maximum chemical reduction for even healthier and fresher water - the more ozone, the more the chemical reduction. This accessory to the Eclipse™ and Total Eclipse™ systems is recommended for indoor, negative edge and reflection pools.



SpaEclipse™ & Platinum SpaEclipse™

The SpaEclipse™ is perfect for just about any spa and our Platinum SpaEclipse™ provides nearly double the amount of ozone as our SpaEclipse™, allowing more ozone to be dissolved into spa water. Use the Platinum SpaEclipse™ on in-ground spas, spas with high bather loads or simply for further chemical reduction. Both units save money on electricity by using less energy than ultra violet generators.



Eclipse™ CD Technology Eliminates the Need for Air Dryers

It is known that humidity interferes with ozone production in CD ozone generators. In addition, the presence of humidity can also produce nitric acid as a by-product. Because of this, the majority of CD ozone generators utilize an air dryer to remove humidity and prevent nitric acid production to avoid catastrophic failure. If an air dryer component fails in those systems, nitric acid forms and quickly destroys the ozone generator.

The glass and stainless steel design of DEL's Eclipse™ CD technology has eliminated the need for air dryers. Eclipse™ ozone electrode reliability data gathered over the past several years indicates that high humidity does not adversely affect the life of DEL's electrodes as it does other commercial CD manufacturers' equipment. This design ensures that high ozone concentrations are produced economically in high humidity installations while being reliable, durable and maintenance free.

Eclipse™ CD Technology Surpasses Ultraviolet Lamps

Though ultraviolet (UV) lamps are occasionally used in the pool and spa industry, this outdated technology produces far less ozone concentration than CD systems, is more costly to operate and requires maintenance that DEL Ozone's Eclipse™ units eliminate. And though both CD and UV ozone generating systems are affected by humidity, DEL designed the Eclipse™ CD electrodes to produce higher outputs of ozone at all levels of humidity when compared to UV lamp systems. Many pool professionals know about CD and UV production methods but are not fully aware of the numerous advantages that CD holds over UV lamps. The most effective method for generating ozone is with Corona Discharge technology.

DEL Ozone's CD Technology:

- ▶ **Generates 4-5 times higher ozone concentration than UV lamps (1500 PPM compared to 300 PPM)**
- ▶ **Uses 70-90% less electricity than UV lamps**
- ▶ **Employs ozone sizing standards developed from commercial pool guidelines and drinking water standards**
- ▶ **Offers ozone electrodes that outlast UV lamps by two to three years**
- ▶ **Is priced within 10% of UV lamp pricing**

And the Benefits of Eclipse™ CD Go Far Beyond Technology

The technological advances offered by the Eclipse™ CD series are only one element in the value of ozone generators. This innovative system combines the purity of crystal clear water with a reduction in chlorine costs and offers the peace of mind that you're doing your part to go green and reduce your environmental impact.

For more information, please contact our sales representatives at o3info@delozone.com or 800.676.1335 ext. 249

Visit our website www.delozone.com



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