

The DEL Ozone Quantum series produces ozone at 250 g/hr (CD-250F), 400 g/hr (CD-400F), 800 g/hr (CD-800F) and 1200 g/hr (CD-1200F) at 5% by weight; all systems operate under vacuum, for safety, efficiency and ease of operation. All systems have configurable feed-gas options (integrated oxygen concentrator system is standard), multiple safety features, self-diagnostic switching and robust construction. Proportional ozone output control is standard on all models.

Ozone is the most powerful oxidizer and disinfectant that can safely be used in multiple industrial and commercial applications. It destroys all organic molecules, renders dissolved metals insoluble and oxidizes inorganic contaminants. With a relative sanitizing strength of 1 PPM aqueous ozone to 200 PPM chlorine, ozone is safe for all surfaces (excluding natural latex rubber). Ozone is an EPA approved antimicrobial and listed as safe for discharge into surface and groundwater; FDA approved as an antimicrobial food additive, and USDA approved as an antimicrobial organic food additive.

Leaving no measurable residual (no rinse), DEL Ozone systems provide a non-corrosive solution for continuous or on-demand sanitation. DEL Ozone generators are built to UL standards, are NSF validated for antimicrobial efficacy and safety and are designed as totally integrated systems providing a synergistic approach to water or surface sanitation in multiple commercial and industrial applications while giving facility operators a simple, automated, low maintenance system.

Standard Features

CD-200F / CD-400F / CD-800F / CD-1200F

- Medium frequency, cold cathode, water-cooled vertical tube and shell glass tube dielectric ozone cells for consistent and reliable ozone production
- Integrated DEL Ozone Safety Management System
- Computer controlled with 4 line backlit LCD display with operator interface
- Amperage display and monitoring by the control system
- Complete ozone isolation during shut-down
- Automatic feed-gas flow control to maintain proper operational set-points
- Dry contacts for remote ambient ozone monitor shut-down and user interlock
- Powder-coated steel enclosure designed to NEMA-3R specifications
- Fault protection for:
 - Door open
 - Feed gas pressure failure
 - Vacuum loss
 - Overheating
 - Water backflow
 - Current overdraw
- Modular assembly for easy service and maintenance



DEL ozone™

Specifications	CD-250F	CD-400F	CD-800F	CD-1200F
Ozone Output g/hr	250 g/hr (13.2 lb/day)	400 g/hr (21.2 lb/day)	800 g/hr (42.3 lb/day)	1200 g/hr (63.5 lb/day)
Ozone Concentration	5% by weight	5% by weight	5% by weight	5% by weight
Power Requirement	240 V - 50/60 Hz, 3Ø, 5.6 kVA	480 V - 50/60 Hz, 3Ø, 7.5 kVA	480 V - 50/60 Hz, 3Ø, 15.0 kVA	480 V - 50/60 Hz, 3Ø, 22.5kVA
Ambient Operating Temperature	50 - 100° F (10 - 38° C)	50 - 100° F (10 - 38° C)	50 - 100° F (10 - 38° C)	50 - 100° F (10 - 38° C)
Feedgas Flowrate	3.7 m³/hr (130 cfh)	6.8 m³/hr (240 cfh)	13.0 m³/hr (460 cfh)	18.7 m³/hr (660 cfh)
Cooling Water Flow	0.45 m³/hr (2.0 gpm)	0.68 m³/hr (3.0 gpm)	1.4 m³/hr (6.0 gpm)	2.0 m³/hr (9.0 gpm)
Inlet Pressure, Max	103 kPa (15 psi)			
System Control	PLC			
Enclosure Material / Finish	Steel, 14 gauge / Powder Coat			

Available DEL System Components

- Ambient ozone monitor / controllers
- Dissolved ozone monitor / controllers
- ORP monitor / controllers
- Mixing / degas towers
- Reaction / degas tanks
- Degas valves
- Thermal-catalytic gaseous ozone destructs
- Patented Dry-Tap™ ORP sensor ports
- Injectors & injector assemblies
- Ozone flow splitters / controllers
- Closed loop cooling systems
- Flow switches
- Booster pumps
- Oxygen concentrator packages
- Compressor packages

CD-250F
CD-400F



CD-800F



CD-1200F

