



**TrioPure™ (Patent Pending)
2005 Data Sheet**

The DELZONE TrioPure is a combination Ozone Generator and Salt Chlorine Generator packaged in one enclosure. The system also includes a built-in recirculation pump and ozone injector integrated into the salt cell; pre-plumbed and ready to install with DEL's exclusive one-piece manifold with built-in check valves.

CAPACITY	Residential Pools up to: TRIO-25: 25,000 gallons	TRIO-50: 50,000 gallons
ENCLOSURE	FRP (Fiberglass Reinforced Plastic) Clear Lexan cover to view bright LED lights Indoor/Outdoor (Temp 40-120°F, 0-100% RH) Approximately 36 pounds Dimensions: 15" X 19.5" X 7.5" Wall mount On/Off Power Switch	
CELL HOUSING	Clear Housing (Lexan SLX) Small Salt Cell Size (Inexpensive to Replace) Reverse polarity feature (Self Cleaning) Titanium Electrolytic Plates Life expectancy = minimum 3 years Easy to remove and reinstall entire Salt Cell Housing Chlorine Cell automatically operates 8 hrs on, 4 hrs off to reverse polarity; repeats continuously Ozone injector molded in the clear salt cell Ozone Injector clean-out port	
OZONE COMPONENTS	TRIO-25: 2 Electrodes & Power Supplies Ozone is produced continuously on both units	TRIO-50: 4 Electrodes & Power Supplies
POWER	120V, 4A, 60Hz or 240V, 2A, 60Hz	
WIRING	Internal Terminal block - Terminal block is under the front panel (remove screws for access); can be wired 120 or 240 VAC; no power cord	
OPERATION	24 hour; independent of pool pump with Built-In Mag Drive Recirculation Pump (7-10 Yr. Life Expectancy) 3-5 GPM water flow On/Off Power Switch	
OZONE	TRIO-25: 0.3 grams/hour (7.2 grams/day)	TRIO-50: 0.6 grams/hour (14.4 grams/day)
CHLORINE	TRIO-25: 0.3 lbs/day (= ~1/2 standard chlorine tablet or approximately 4.5 tabs/week) TRIO-50: 0.6 lbs/day (= ~1 standard chlorine tablet or approximately 8.5 tabs/week)	



AOP Injecting Ozone into the Electrolytic salt cell creates Advanced Oxidation Process (AOP), creating Super Oxide Compounds which are stronger than either Ozone or Chlorine and provide the strongest safest pool water sanitation.

DIAGNOSTICS/INDICATORS

Hi Salt (5000 ppm) / Low Salt (3000 ppm) Warning Lights
 *Water Flow Indicator
 *Water Temperature Status Indicator (59°F – 104°F)
 *Ozone Cell Operation Indicator
 Current overload protection shut-off
 Chlorine output control (reduces or increases amperage)
 *TRIO-25: Ozone cell operation LED's (2) *TRIO-50: Ozone cell operation LED's (4)
 Clear view ozone injector/salt cell

*Indicators become diagnostics by turning from green to red to indicate fault.

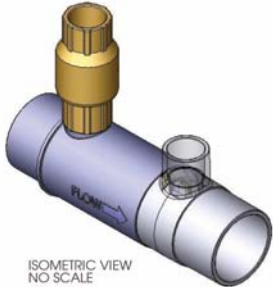
Two Digit Chlorine Powered Display (both systems)
 OF = OFF Indicates system is off
 CL = CLEANING Indicates no output while system is reversing polarity
 PB = PROBLEM (flashes) Indicates calcium build up, low water flow, air leak
 OL = OVERLOAD (flashes) Indicates salt level is too high or shorts across cell

Relative Chlorine Production Scale 1 → 10 (5 = 0.5 ppm; 10 = 1.0 ppm)
NOTE: TrioPure does not measure Chlorine Levels in the Pool

WATER CHEMISTRY Salt Concentration (3000-5000 ppm) – 3500 ppm recommended
 PH (7.2-7.6)
 Chlorine Stabilizer (Cyanuric acid): 40-80 ppm depending on regional climate
 Total Alkalinity (80-120 ppm)
 Total Hardness (200-400 ppm)
 Free Chlorine (0.5 – 1.0 ppm)

INSTALLATION Molded plastic installation manifold (2") with 2 check valves (pressure differential and anti-siphon)

8" Manifold Length
 Plumb into pool return line after filter/heater
 Connects to TrioPure with 3/4" PVC pipe
 Max. 8' above and 3' below water level



LISTINGS EPA Establishment Listed
 ETL Listing to UL Standards - *Pending*

OPTIONAL MDV Assembly (Eliminates Ozone Bubbles)

WARRANTY One year complete product; pro-rated year 2 at 50% and year 3 at 25% on salt cell only