



SWIMMING POOL WATER TREATMENT

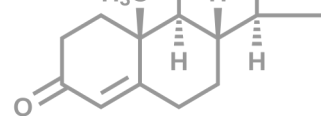
Crystal-Clear | Healthy | Chemical Free Swimming

INTRODUCTION

Traditional pool sanitation relies heavily on chlorine. While chlorine kills pathogens, it also produces harmful by-products such as chloramines and trihalomethanes (THMs). These compounds can cause eye and skin irritation, respiratory issues, enamel erosion, asthma, and even long-term health risks. Chlorine is also corrosive, damaging pool infrastructure and equipment over time, leading to higher maintenance costs.

Croissance's Ozone Pool Systems provide a modern, eco-friendly, and healthier solution. By harnessing ozone (O_3)—nature's strongest oxidant—we deliver residue-free disinfection, superior water clarity, and safer swimming environments for both commercial waterparks and residential pools.





How It Works?

01 Ozone Generation

Oxygen is converted into ozone via corona discharge or UV-based ozone generators

02 Ozone Injection

Ozone gas is injected into pool circulation lines using venturi injectors

03 Oxidation & Disinfection

Ozone destroys bacteria, viruses, algae, and organic contaminants instantly

04 Filtration Boost

Breaks down large molecules into smaller particles, improving filter efficiency

Benefits at a Glance



Superior Disinfection

Kills chlorine-resistant pathogens like Cryptosporidium



Healthier Swimming

No chlorine smell, no red eyes, no skin irritation



Improved Air Quality

Reduces chloramine fumes that cause asthma and bronchitis in pool staff and users



Extended Equipment Life

Ozone is non-corrosive, reducing damage to pool infrastructure



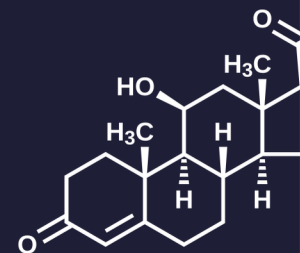
Crystal-Clear Water

Oxidizes oils, lotions, and organics for sparkling clarity

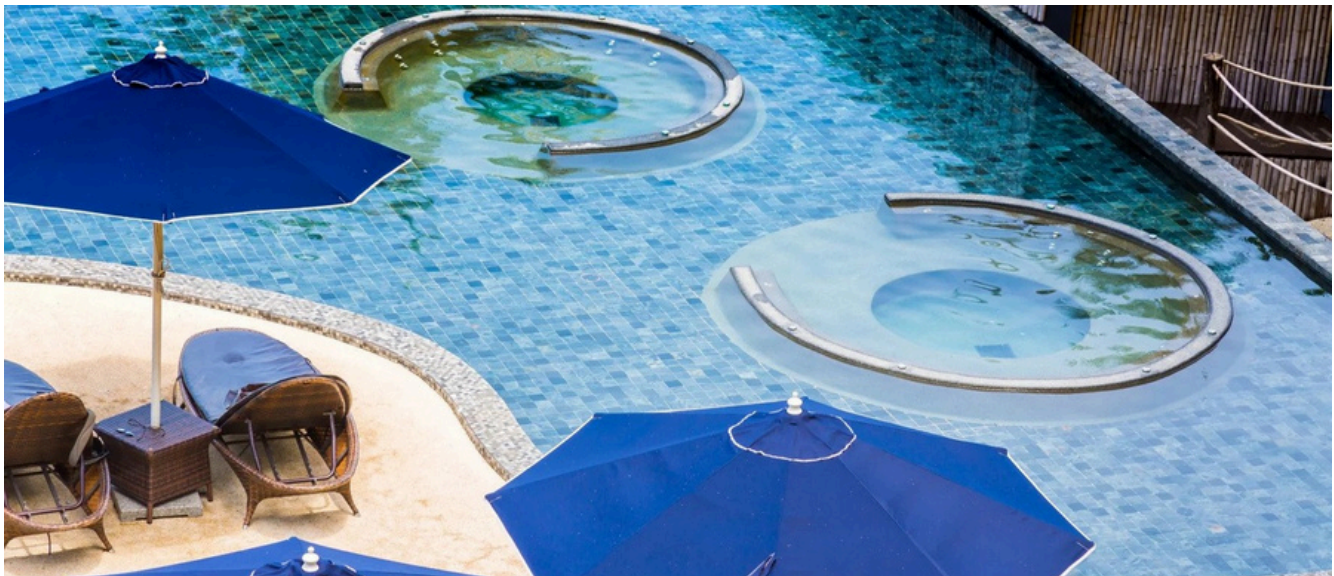


Lower Chemical Costs

Cuts chlorine usage by up to 80–90%



Applications



Commercial Pools & Parks

- Safer environment for high bather loads.
- Reduces health risks from chlorine by-products (THMs, chloramines).
- Cost-effective long-term operation with reduced maintenance.
- Protects pool infrastructure from corrosion.

Residential Pools

- Chemical-free, healthier swimming experience.
- No toxic residues—safe for families, children, and pets.
- Crystal-clear water, pleasant to swim in and even safe to swallow.
- Minimal maintenance and lower operating costs.



Technical Notes

01

Pool Size Range

50 m³ – 2000 m³

02

Residual Ozone

0.1–0.2 mg/L in circulation water

03

Chemical Reduction

80–90% less chlorine use

04

Operating Costs

Lower than chlorine due to reduced chemical, labor, and maintenance needs

05

System Components

- Ozone generator (CD or UV)
- Venturi injector/static mixer
- Contact tank with degassing
- Online monitoring & safety sensors

Safety First

01

Ozone is dosed in the circulation loop, not directly in the swimming pool

02

Excess ozone is safely destroyed in a degassing unit before water returns to the pool

03

Low-level chlorine (0.3– 0.5 ppm) may be kept as a secondary disinfectant for compliance

04

Professional installation and dosage control ensure safety and efficiency



Why Choose Pool Systems?

- **Commercial-Grade Reliability** – Proven in Europe since the 1950s, now rapidly adopted worldwide.
- **Trusted Expertise** – Engineering support from system sizing to installation.
- **Return on Investment** – Reduced chemical costs, longer equipment life, and lower maintenance.
- **Healthier & Safer Pools** – Protects swimmers, staff, and infrastructure.
- **Customizable** – Systems tailored for resorts, hotels, spas, public pools, and residential homes.

Conclusion

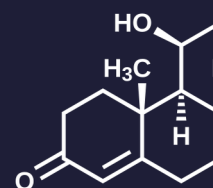
With OzonePoolSolutions, Croissance brings the next generation of pool water treatment. Whether for a large waterpark, luxury resort, or backyard pool, ozone ensures crystal-clear, safe, and eco-friendly water. It's time to move beyond chlorine and embrace a healthier swimming future.





Your Next Step

Experience the future of safe, sustainable sterilisation.



7047023786 / 8000023786



croissancecorp@yahoo.com
croissancecorp@gmail.com

