



BENEFITS OF PRESSURELESS OZONATION SYSTEMS

SAFE

- The only force that moves air and ozone gas through the pressureless system is the suction (vacuum) created by the venturi injectors, eliminating pneumatic hazards associated with pressure-based systems.
- Off-gas removal sub-system meets air quality standards for a safe work environment.

ECONOMICAL

Compared to pressure-based systems, OTI pressureless systems provide:

- Less power usage
- Less maintenance (virtually no nitrous accumulation)
- Lower component replacement costs
- Longer lifespan
- Lower personnel costs (operator-friendly controls do not require certified personnel)

EFFICIENT

- Direct immersion in cooling water eliminates thermal stress on dielectrics.
- Adaptive technology addresses your specific water quality and water treatment requirements.

Customer satisfaction is our top priority

- **Our mission is to serve communities and businesses by providing superior clean water solutions.**
- **Our continued success is based on strong and lasting relationships with each and every customer.**

"We're very satisfied with the Ozonation System. The equipment operates perfectly. An A+ to Ozone Technology!"

*— Tommy Carswell,
Manager of Operations,
Four Way WSC*

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PRESSURELESS™ OZONE WATER PURIFICATION SYSTEMS

- **Pressureless systems are the most efficient ozone systems.**
- **Pressureless systems are the longest lasting ozone systems.**
- **OTI is the only manufacturer of pressureless ozone water purification systems.**



**OTI pressureless systems
are in use by
water treatment plants
across the USA**



“Why are OTI pressureless ozone water purification systems better than pressure-based systems?”

OTI pressureless ozone water purification systems are more efficient

Multiple vertical dielectric tube configuration ensures even, consistent grounding with contact material.

Optimizes heat transfer, producing the maximum amount of ozone production per watt hour of energy used.

Proprietary dielectric design includes multiple electrodes and custom-engineered glass material.

Provides dielectric strength and durability, maximizing up-time and lowering maintenance costs.

Pressureless design uses less electricity—and reduces amount of chlorine needed.

Lowers operating costs.

OTI pressureless ozone water purification systems are long-lasting

Pressureless design uses ambient air, a low-voltage power system and operates at a low capacity run-rate.

Ensures operating reliability and maximizes up-time.

OTI systems are hand-crafted and custom-manufactured—and constructed to meet the highest standards of quality.

Maximizes system life-span and minimizes maintenance costs.

“What are the advantages of OTI pressureless ozone water purification systems?”

More efficient ozone usage (superior mass transfer efficiency)

Unlike systems that use “bubblers” to mix water and ozone, OTI’s *pressureless* systems use a more thorough, efficient, venturi-based mixing process that results in very little wasted ozone.

Maximum ozone containment

OTI’s *pressureless* system has a low likelihood of ozone leakage because a vacuum created by the venturi means that outside air wants to leak in (to fill the vacuum); ozone does not want to leak out.

More efficient energy usage

The only force that moves air and ozone gas through the *pressureless* system is the suction (vacuum) created by the venturi injectors—no compressors or other energy-using components are required.

OTI systems deliver results

Founded in 1985, OTI is the oldest provider of ozone water purification systems in the USA.

- OTI pressureless systems provide a highly efficient, cost-effective means of purifying drinking water.
- OTI pressureless systems are also ideal for zoos and other animal, avian and aquatic environments.

Every OTI system installed to date has achieved the following results:

- Reduced chlorine use by 50-75%.
- Minimized formation of disinfectant by-products (DBPs)
- Stabilized chlorine residuals

