



tersanoTM

terra [earth/land], **sano** [healthy]

Changing** The Way The World **Cleans



CERTIFIED • PROVEN • POWERFUL



The Tersano Advantage



POWERFUL

*More effective than bleach and over 50% stronger. **

**50% claim based on comparison of "Oxidation Potential Ratings"*

COST SAVING

Save up to 50% vs using chemicals.

SAFER

Non-irritant, non-caustic, no fragrance added, and antimicrobial.

ENVIRONMENTALLY RESPONSIBLE

Breaks down to water and oxygen once it's finished working.

THE SMART CHOICE

For your staff and customers - improved customer satisfaction, no personal protective equipment - one solution for all needs.

INTERNATIONAL DISTRIBUTION

lotus® Pro is currently used in over 10 countries across the globe.



Key sectors currently using Tersano

- School Districts
- Hotels
- Universities
- Restaurants
- Airports
- Retails Stores
- Manufacturing
- Food Services
- Health Care Facilities
- Government Agencies



**SANITIZING
UP TO
24^{HOURS}**

The Power of Aqueous Ozone

The **Perfect** combination that **cleans & sanitizes**

Ozone is created naturally when sunlight or lightning adds an extra oxygen atom to oxygen molecules in the air. Some of this ozone is then infused into rain drops, resulting in **aqueous ozone** (AO). Ozone has long been used in water treatment, food sterilization and general sanitation for its remarkable anti-viral and anti-fungal properties.

With the lotus® PRO technology, stabilized aqueous ozone is created when introducing an extra oxygen atom to an oxygen molecule and water molecules. This combination creates a highly effective cleaning agent that breaks down dirt, grease, and other contaminants safely replacing traditional chemical cleaners and pathogen-reducing sanitizer.

3 SIMPLES STEPS



STEP 1
Inside the lotus® unit, oxygen from the air is safely turned into ozone then infused into ordinary tap water.



STEP 2
Ozone is attracted to germs, soils and bacteria and quickly eliminates contaminants it comes in contact with.



STEP 3
The lotus® PRO system works for hours, after which point it converts back into water and oxygen.

Regulatory Compliance

Onsite production of electrolyzed water is considered by the U. S. Environmental Protection Agency (USEPA) to be a pesticide device and is subject to the requirements specified in 40 CFR 152.500. Tersano meets those requirement by producing aqueous ozone.

The use of aqueous ozone generated by our lotus® PRO products are subject to strict regulatory requirements under many government agencies including the **Environmental Protection Agency** (EPA), the **Food and Drug Administration** (FDA), the **US Department of Agriculture** (USDA) and the **Department of Labor Occupational Health and Safety Administration** (OSHA).

Regulatory Information

EPA Site Registration No.: 89093-CAN-001

CSA: Tested to CSA Standard E60335-1/4E:03 by TUV

UL: Tested to UL Standard 979 by TUV

Europe: CE and EN 60335-1/A2:2006 compliant

ASSE: Tested to ASSE Standard 1055-2009 by CSA Group

FDA Safe Designation: 21CFR184.1563

EPA: DIS/TSS-4 sanitizer (food contact surface)

OSHA: Off-gas O3 < .01 ppm PEL

GREEN SEAL: This device-generated solution meets Green Seal™ Standards GS-37 and GS-53 based on effective performance, concentration of product, minimized packaging, and protective limits on VOCs and human & environmental toxicity. GreenSeal.org



Where to use it?

lotus® PRO technology for extended sanitizing power

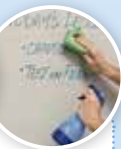
As a natural all-purpose cleaning and sanitizing agent, the lotus® PRO is being used in universities, factories, hospitals, office buildings, hotels and retail stores all over North America and Europe to clean and sanitize with stabilized aqueous ozone instead of cleaning chemicals.



APPLICATIONS

- Appliances
- Stainless steel & chrome surfaces
- Kitchen counters, sinks
- Granite, marble & slate countertops
- Escalators, handrails & lockers
- Wood surfaces & hardwood flooring
- Vinyl surfaces & flooring
- Concrete, terrazzo, & stone
- Showers, bathtubs & toilets
- Lab equipments
- Desks, tables & chairs
- Fruits & vegetables

Fill trigger sprayers, mop buckets and auto scrubbers.



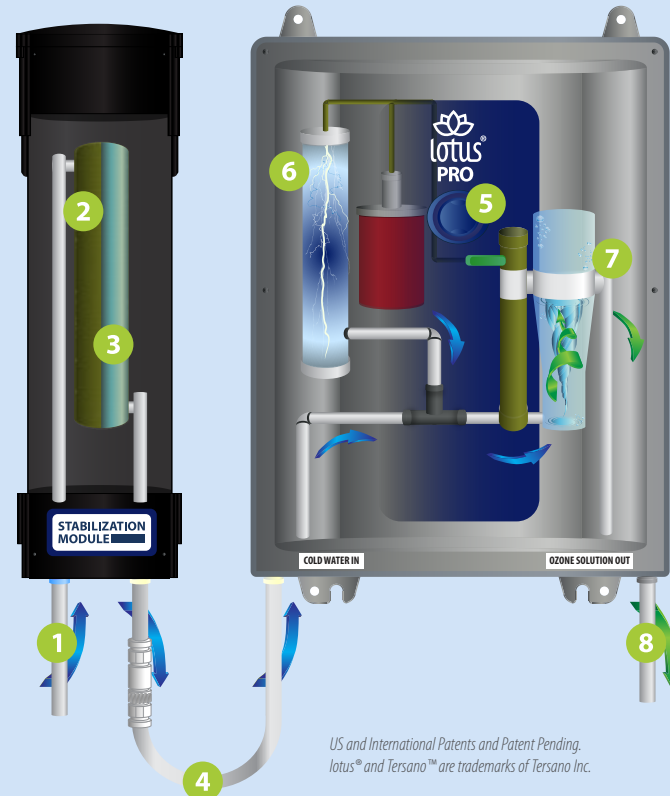
How Lotus® PRO works

lotus® PRO High Capacity Unit with Stabilization Module

The lotus® PRO High Capacity cleaning system turns ordinary tap water into stabilized aqueous ozone - a powerful natural cleaner and sanitizer. The aqueous ozone is made on demand with continuous flow for spray bottles, mop buckets, and auto scrubbers - killing germs* while cleaning. It provides residue-free performance for a longer lasting clean and low slippage on even the smoothest floors. Safe on natural wood and stone.



- 1 Cold tap water enters the lotus® PRO Stabilization Module.
- 2 The lotus® PRO Stabilization Module mixes with the cold tap water stream, expanding the cleaning time up to 24 hours.
- 3 Treated water leaves the lotus® PRO Stabilization Module.
- 4 Water passes through the FloJet connector, which prevents back flow with air lock, then enters the lotus® PRO High Capacity Unit.
- 5 Oxygen enters the dispenser through the replaceable filter cartridge.
- 6 4,500 volts of electricity transforms O_2 to O_3 .
- 7 Ozone gas that is not saturated in the water is separated and safely dispensed as oxygen.
- 8 Aqueous ozone leaves the dispenser to fill mop buckets, trigger sprayers, and auto scrubbers.



* For support reference, visit our website at www.tersano.com

Product Performance

TECHNICAL SPECIFICATIONS

HIGH CAPACITY UNIT & STABILIZATION MODULE

Dimensions: 17.5" x 14.5" x 7"

Weight: 25lbs

Flow: Continuous - 30 min. shut off safety feature

Rate: up to 3 gals/min

Power: Standard 110V (Power consumption about 90 watts)

Built-in mechanical backflow prevention

MODEL #	LQFC425K	LQFC825K
Sanitizing Time	Up to 4 hrs	Up to 24 hrs
Cleaning Time	Up to 4 hrs	Up to 24 hrs
Cartridge Life	Series I - 1,600 gals ¹	Series II - 800 gals ¹

¹ Based on a flow rate of 3 gpm

220V versions available

LQFC425K and LQFC825K includes: lotus® PRO High Capacity Unit with Stabilization Module and One (1) desiccant cartridge.



Get with THE PRO₃GRAM

Ozone Laundry Technology & Detergent Program

THE PRO₃GRAM by Tersano delivers cleaner, brighter, fresher and softer laundry for less. By combining our powerful cold water ozone laundry system with our special cold water ozone boosting detergent, you get better results with less or no hot water.

THE PRO₃GRAM's patented ozone system maintains high levels of ozone during wash and rinse cycles while our uniquely formulated detergent bolsters ozone's natural cleaning power. Lifting out the toughest dirt, germs and grime, **THE PRO₃GRAM** gets you out of hot water from high utility bills and gives you outstanding laundry results.



BENEFITS

- Reduce or eliminate hot water
- Reduce chemical & water consumption
- Increase linen lifespan by up to 30%
- Sanitize during wash & rinse
- Get brighter, fresher, cleaner laundry
- Decrease wash & rinse cycles
- Reduce drying time
- Safe for workers & environment
- Eliminate harsh fumes & chemicals
- Installs in 2 - 4 hours

Dryer Jack

- Cuts drying time up to 50%
- Dramatic energy costs savings
- Prevents bed sheets & towels from tangling while being dried



LAUNDRY SYSTEM

DIMENSIONS

Electrical Module: 24" x 24" x 12"

Water Module: 24" x 20" x 10"

Weight: 300lbs (combined weight of both modules)

Water Flow: 20 GPM (max)

Ozone Generator Output: 16 g/hr

Power: 120VAC, 60 Hz, 10.0 Amp



Remove more dirt & grime

Eliminates residue & stains

Strong yet safe, lotus® PROscrub accelerates the power of the lotus® Cleaning System's patented aqueous ozone technology. Specially formulated for first-time lotus Cleaning System users, PROscrub lifts years of build-up from chemical residues, dirt, grime and grease in just minutes.

Perfect for any hard surface; ceramic, tile, metal, industrial flooring, equipment, and great for grout and crevices where dirt and grime have built up over time.

**LIFTS
BUILD-UP**

Before and After



INLINE ON-DEMAND MODULE

Tersano's **inline technology** allows the use of ordinary tap water to produce Aqueous Ozone (AO) on-demand.

In ice machines, AO sanitizes the water, ice path and holding bins without chemicals, vastly reducing the risk of foodborne illness associated with unsanitary ice making. For handwashing, our proprietary technology ensures that an effective and consistent level of ozonated water is always produced.

With a minimum of 1.25PPM of sanitizing strength, the AO produced is an approved, proven and powerful natural cleaner that doesn't require costly, toxic chemicals or time-consuming rinsing.

TECHNOLOGY

The system is based on time proven corona discharge technology paired with our patented stabilization system for extended Aqueous Ozone half-life.

Our Aqueous Ozone solution is currently used in many companies and institutions around the world for their cleaning and sanitizing needs.

- Hospitals - general use areas
- Schools
- Factories
- Breweries
- Lodging
- Hospitality



TECHNICAL SPECIFICATIONS

Dimensions: 4.2" L x 12" W x 8.2" H

Weight: 6 lbs

Power Requirements:

Voltage: 24 VDC system - 110/220 VAC adaptor

Amperage: 0.2 A

Max Water Pressure: 100 PSI

Water Flow Rate: 0.5 LPM

Max Water Temp: 65°F

AO Output: 1.25 ppm



1.800.808.1723
www.tersano.com



Your Authorized Distributor: