



**tersano**<sup>TM</sup>  
AUSTRALIA



*Changing  
the way the  
world cleans*





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## HOW CAN TERSANO CHANGE THE WAY YOU CLEAN?



### Powerful

More effective than bleach and chlorine based cleaners



### Cost Effective

An alternative to paying for multiple expensive chemicals



### Safe

Non-irritant , non-caustic, no allergy concerns and antimicrobial



### Chemical Free

100% Natural cleaner, no carcinogens or chemical residue



### Sustainable

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

# The Power of Aqueous Ozone



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 Stabilised Aqueous Ozone. Ozone has long been used in water treatment, food sterilisation and general sanitation for its remarkable anti-viral and anti-fungal properties.

With the lotus® PRO technology, Stabilised 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 sanitiser.

## HOW STABILISED AQUEOUS OZONE CLEANS AND SANITISES



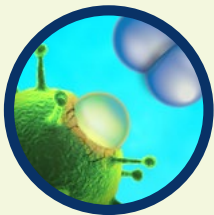
### Step 1

Oxygen from the air is safely turned into ozone then infused into ordinary tap water.



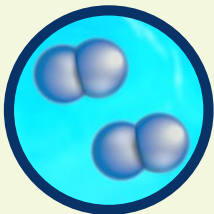
### Step 2

The ozone is attracted to germs, soils and bacteria.



### Step 3

Ozone quickly attacks & eliminates contaminants it comes in contact with.



### Step 4

Only pure oxygen and water remain after the ozone cleans and sanitises.



The lotus® PRO High Capacity cleaning system turns ordinary tap water into stabilised aqueous ozone, nature's most powerful cleaner. The Stabilised Aqueous Ozone is a highly effective cleaning agent that breaks down dirt, grease and other contaminants, safely replacing traditional chemical cleaners, deodorisers and sanitisers.

## People

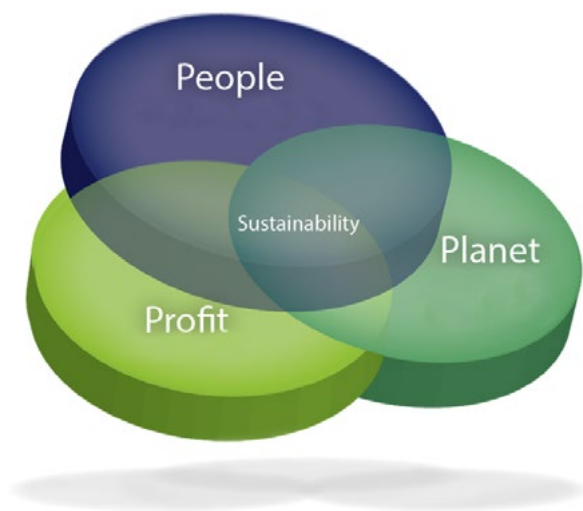
- **Non-Irritant** to respiratory and allergy problems
- **Improved** health & safety (MSDS 0-0-0-A)
- **Reduction** of slip & falls
- **Eliminates** exposure of chemicals to staff and visitors
- **Promotes** a healthier working environment

## Profit

- Significantly reduces the need to purchase, transport, distribute, store, mix and restock
- Drastically reduces inventory of multiple chemicals
- All-in-one solution improves productivity
- Saves versus conventional cleaners (litre for litre)
- Reduction in sick days due to chemical exposure
- Lower maintenance cost related to cleaning equipment

## Planet

- **Reduction** of carbon footprint
- Harmless to the environment when disposed
- **Green Seal** certified
- Compliant with the **BOMA BEST** standard
- **HACCP** approved for food areas



## KEY SECTORS CURRENTLY USING TERSANO

- Private and Public Schools
- Hotels
- Universities
- Restaurants
- Airports
- Retail Stores
- Manufacturing
- Food Services
- Health Care Facilities
- Government Agencies
- Aged Care



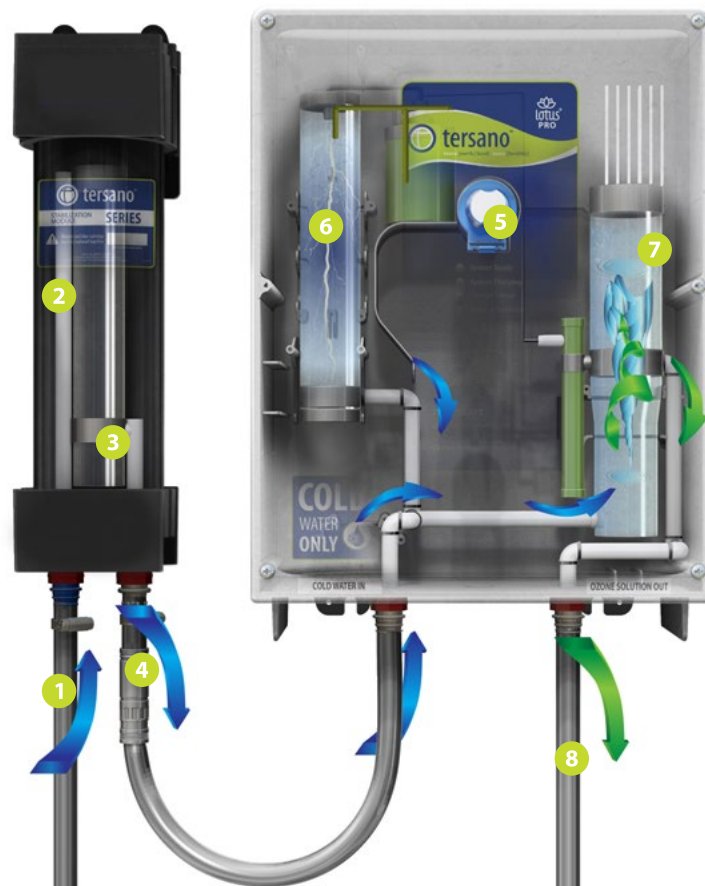
# How Lotus Pro works



## How we create stabilised aqueous ozone

- 1 Cold tap water enters the lotus® PRO Stabilisation Module.
- 2 The lotus® PRO Stabilisation Module mixes with the cold tap water stream, expanding the useful time up to 24 hours\*.
- 3 Treated water leaves the lotus® PRO Stabilisation 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 Stabilised Aqueous Ozone leaves the dispenser to fill mopping systems, trigger sprayers, auto scrubbers and carpet extractors.

\*Results may vary based on water quality at location





# Where do I use?



Universities, factories, hospitals, office buildings, hotels and retail stores all over North America, Europe and Australia have put us into their cleaners closets and cleaning stations to clean and sanitise with Stabilised Aqueous Ozone instead of cleaning chemicals. It works hard as a natural all-purpose cleaning and sanitising agent for hours, after which point it turns back into water and oxygen.

## Benefits

- Cut costs of buying, storing & mixing chemicals
- No mixing, rinsing, VOCs or toxins
- Eliminates multiple chemicals & guesswork
- Meets highest safety & performance standards
- Easy to install
- Long-lasting reliability & performance
- Increased productivity, safety & greenability
- On-demand availability and power for any job, anywhere
- No more trips to the cleaning closet for refills
- Proven to reduce slips & falls\*

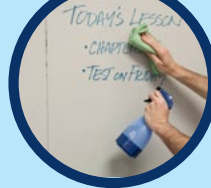
## Features

- Natural cleaning solution
- All-in-one cleaning and sanitising solution
- Mounting systems standard
- No mixing, rinsing, VOCs or toxins
- Runs on cold tap water & 230V power
- Regulatory approval by EPA, FDA, OSHA, CSA, ASSE, UL
- Green Seal certified: GS-37 and GS-53 standards
- Compliant with LEED & the BOMA BEST standard
- HACCP Certified

\*Slip & Fall Friction Study.

## APPLICATIONS

- Flooring
- Hardwood
- Tile
- Vinyl Surface
- Carpet
- Concrete
- Terrazzo
- Stone
- Bathroom Counters
- Kitchen Counters
- Glass
- Mirrors
- Stainless Steel
- Chrome Surfaces
- Showers
- Bathtubs
- Toilets
- Sinks
- Handrails
- Escalators
- Elevators
- Shelving
- Desks
- Tables
- Chairs
- Lab equipments
- Appliances
- Fruits & vegetables





The lotus® PRO High Capacity cleaning system turns ordinary tap water into Stabilised Aqueous Ozone, a powerful natural cleaner and sanitiser. Stabilised Aqueous Ozone is made on demand with continuous flow for spray bottles, mop buckets, auto scrubbers and carpet extractors – 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.

## STABILISATION MODULE

Get hours of cleaning power with the Stabilisation Module. Turns ordinary tap water into a long-lasting, natural cleaner and sanitiser using patented Stabilised Aqueous Ozone technology that keeps more ozone in solution for longer periods.



## Regulatory information & Technical specifications

**FDA Safe Designation:** 21CFR184.1563  
**EPA Site Reg. No.:** 89093-CAN-001  
**OSHA:** Off-gas O3 <.01 ppm PEL  
**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  
**EPA:** DIS/TSS-4 sanitiser test passed  
**Green Standard:** Meets Green Seal™ GS-37 and GS-53 standards  
**ASSE:** Tested to ASSE Standard 1055-2009 by CSA Group  
**California Code:** Exceeds regular limits on VOC's  
 Zero global warming; Zero ozone depletion; Zero VOCs  
**HACCP Certificate No:** PE-684-IO-02

**Dimensions:** 44cm x 36cm x 19cm  
**Weight:** 12kg  
**Flow:** Continuous – 30 min. shut off safety feature  
**Rate:** 11 litres/min  
**Power:** 230v  
 Built-in mechanical backflow prevention

Stabiliser	Series I	Series II
Sanitising time	Up to 4 hrs	Up to 24hrs
Cleaning time	Up to 3 days	Up to 6 days
Cartridge Life	6600 Litres <sup>1</sup>	3300 Litres <sup>1</sup>

<sup>1</sup> Based on 11 litres per minute. Fill Trigger sprayers, mop buckets, carpet extractors & auto scrubbers.



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