

ACQUA3

OZONE WATER TECHNOLOGY



Compliance



Our Goal

**Delivering an Eco-Friendly Cleaning and
Sanitizing Solution:**

**Effective, Safe, and Chemical-Free,
for Your Home & Business, and Gentle on
the Environment at Every Stage**



Introducing Ozone Water: Revolutionizing Facility Cleaning!

Step into the future of facility cleaning with Ozone Water, the revolutionary alternative to chemical-laden products. Experience the exceptional cleaning performance that surpasses traditional methods, all while prioritizing safety, sustainability, and efficiency.

Why Choose Ozone Water for Facility Cleaning?

Unparalleled Cleaning Performance: Ozone Water delivers unmatched cleaning power, eradicating dirt, grime, and bacteria with ease. Its potent oxidation properties eliminate tough stains, odors, and contaminants, ensuring pristine cleanliness in every corner of your facility.

Safety at the Forefront: Prioritize the well-being of your staff and visitors with non-toxic and surface-friendly Ozone Water. Unlike chemical cleaners that leave harmful residues and fumes, Ozone Water guarantees a safer environment without compromising on cleanliness.

Eco-Conscious Solution: Embrace sustainability by adopting Ozone Water. Produced on-site, this eco-friendly alternative reduces your facility's environmental impact. Say goodbye to excessive packaging, transportation, and disposal of chemical cleaning products.

Versatile and Efficient: From offices to healthcare facilities, Ozone Water excels in all types of spaces. It effortlessly cleans, sanitizes, eliminates allergens, and purifies the air you breathe. Simplify your cleaning routine with one powerful solution..

Upgrade your facility maintenance to the next level with Ozone Water. Embrace a cleaner, safer, and greener approach. Make the switch today and experience the transformative benefits of Ozone Water for your facility's cleanliness and sustainability.

Join the Ozone Water revolution now!

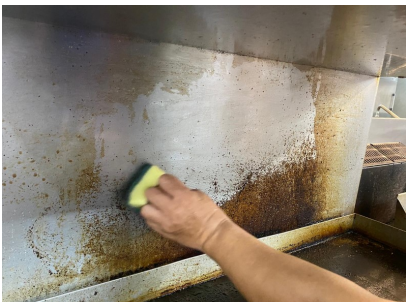


WHAT SURFACES CAN BE CLEANED WITH OZONE WATER

Ozone water can be used on ANY surfaces and location.

- Floors (granite, tile, marble, carpet)
- Glass and mirrors
- Tile and bathroom fixtures
- Stainless steel
- Fruit, vegetables, seafood and meats
- Office furniture
- Workbenches
- Cars and trucks

‘Our team loves the one-liquid-to-clean-all solution. Its much better than using different chemicals for different surfaces’ - Facility Manager



Grease and carbon removal



Mould removal from bathroom tiles



Carpet cleaning



Window cleaning



Marble floor cleaning



Bathroom cleaning

What is **OZONE WATER** and the **ACQUA3** ?

ACQUA3 appliances make **ozone water** from just tap water, air and electricity.

Ozone (O_3) is a gas consisting of 3 oxygen atoms. It is one of the most powerful oxidizers in the world. When dissolved in water, this oxidizing power breaks up dirt, destroys bacteria, viruses, spores and other microorganisms. Due to its proven ability, **ozone water** has been used for water treatment since 1904.

How do **ACQUA3** appliances work?

When connected to tap water and electricity, the **ACQUA3** makes ozone gas from oxygen in the air and dissolves this into tap water. Through our special process, a part of the ozone decomposes into OH-radicals while another part is trapped in the water as nano- and microbubbles. This allows a 2-pronged attack on dirt, bacteria, viruses and other microorganisms

"Working with ozone water cleaning technology has made me realize the immense potential of sustainable solutions. It's inspiring to be part of a movement that prioritizes both environmental preservation and human health." - Jennifer Miller, Water Researcher



USING OZONE WATER

Ozone water is an easy to use, versatile cleaning , sanitizing, deodorizing solution. Made on-site and on-demand.

1. Switch on the machine



2. Fill a spray bottle or bucket



3. Apply to the surface



"Working with ozone water cleaning technology has revolutionized our approach to sanitation. It's an eco-friendly and highly effective method that provides unparalleled results." - Sarah Johnson, Environmental Engineer

The following cleaning tools are recommended for use with **ozone water**



Washing vegetables and other produce before storage and preparation

Enhancing Efficiency and Sustainability: Embrace the Power of Ozone Water!

Reduction	
44%	STAFF TIME REDUCTION
71%	WATER USE REDUCTION
94%	CARBON FOOTPRINT REDUCTION
99.96%	EXPENSES REDUCTION

* based on cleaning 500 SQM surface area

Staff Time Optimization

Experience a substantial reduction in staff time with our highly efficient cleaning techniques powered by ozone water. Our system requires less training time, eliminates the need for storage, and streamlines administration, allowing your staff to focus on core tasks.

Water Conservation

By harnessing the remarkable efficiency of ozone water, we contribute to water conservation efforts. Experience significant reductions in water usage during cleaning operations, helping to preserve this precious resource.

Carbon Footprint Reduction

Our commitment to the environment sets us apart from traditional chemical cleaning solutions. With ozone water, there is no negative environmental impact related to mining, growing, petrochemical processing, or transportation of elements and finished products.

Together, let's reduce your carbon footprint and make a positive impact on the planet.

Expenses reduction

€ 0.00026 per liter Operational cost for **Ozone Water** (ready to use)
€ 0.08 per liter Chemical cleaning liquids (diluted ready to use)*
i.e. 300 x lower operational price

* based on price of Ecolab floordress at € 83.60 for a 10 liter drum.

Ozone Waters antibacterial and antiviral properties

Ozone Waters stands as a potent force in cleaning and disinfection, credited to its remarkable antiviral and antibacterial properties.

Antibacterial Properties

- Ozone is highly effective against various bacteria, including both Gram-positive and Gram-negative strains.
- It targets bacteria by damaging their cell walls and membranes, leading to cell lysis and the destruction of bacterial structures.
- Ozone can eliminate bacteria such as E. coli, Salmonella, Legionella, and Pseudomonas, among others.

Antiviral Properties

- Ozone is a powerful oxidizing agent, meaning it has the ability to break down and destroy the outer protein coat of viruses, rendering them inactive.
- It can effectively inactivate a wide range of viruses, including those causing influenza, norovirus, hepatitis, and even certain types of coronaviruses.
- Pathogens cannot build up resistance to ozone.

Broad-Spectrum Disinfection: Ozone water has a wide spectrum of effectiveness against viruses, bacteria, fungi, and even certain parasites.

Chemical-Free and Environmentally Friendly: Unlike traditional disinfectants like chlorine and Quats/ QAC’s, ozone does not leave behind harmful residues or produce toxic byproducts.

Enhanced Disinfection Efficiency: Ozone is a potent disinfectant, capable of destroying pathogens more quickly than many other methods.

Deodorizing : Ozone cleaning can eliminate unpleasant odors

Minimizes Chemical Usage: The reliance on chemical disinfectants can be reduced or eliminated, leading to cost savings and a more sustainable approach to cleaning

Below are CT (kill time) values for 99% inactivation of various microorganisms with different disinfectants at 5°C.

Microorganism	Disinfectant			
	Free Chlorine (pH 6 to 7)	Preformed Chloramine (pH 8 to 9)	Chloride Dioxide (pH 6 to 7)	Ozone (pH 6 to 7)
E. coli	0.034-0.05	95-180	0.4-0.75	0.02
Polio 1	1.1-2.5	770-3740	0.2-6.7	0.1-0.2
Rotavirus	0.01-0.05	3810-6480	0.2-2.1	0.006-0.06
Phage f2	0.08-0.18	--	--	--
G. lamblia cysts	47->150	--	--	0.5-0.6
G. muris cysts	30-630	1400	7.2-18.5	1.8-2.0

Source: Hoff (1987)

ACQUA3 OZONE WATER CAN BE USED IN ALL OF THESE PLACES (AND MANY MORE)

INSIDE FACILITIES



**OFFICES MEETING ROOMS AUDITORIUMS RECEPTION AREA'S KITCHENS
FACTORY FLOORS STORAGE FACILITIES REFRIGERATORS STAFF RESTAURANTS
BATHROOMS GLASS AND MIRRORS ELEVATORS STAIRS CARPETS**

OUTSIDE FACILITIES



CAR PARKS WALKWAYS WINDOWS FACADES PLAYGROUNDS

AUTOMOTIVE



**TRUCKS CARS GOLF CARTS REFRIGERATED TRUCKS BUSES CAR WASHES
PLANES (MOTOR)BIKES TRAINS**

GYMS, STADIUMS, SPORTS CLUBS



**CHANGING ROOMS SPORTS EQUIPMENT YOGA—MARTIAL ARTS MATS
SPECTATOR-SEATING CAFÉ CONSESSION-STANDS RESTAURANTS TOILETS
CLEAN ASTROTURF**

HOTELS & RESTAURANTS



**RESTAURANT KITCHEN HOTEL ROOMS BATHROOMS BANQUETING AREAS
CORREDORS ELEVATORS RUBBISH ROOM CLEANING PRODUCE GYMS POOL
AREAS WALKWAYS CONFERENCE- CENTERS**

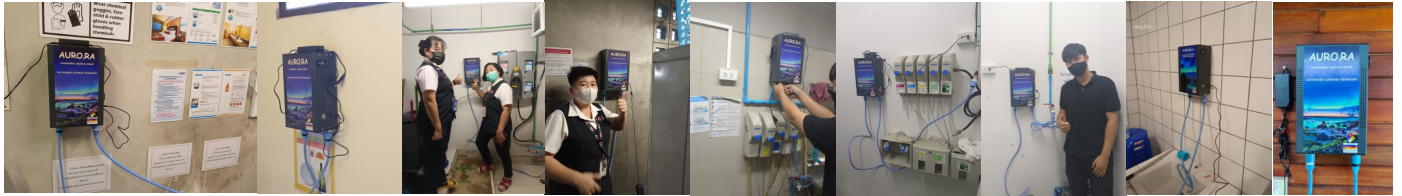
SCHOOLS AND EDUCATION



**CLASSROOMS KINDERGARTENS AULA'S AUDITORIUMS MEETING ROOMS
CORRIDORS PLAYAREA'S SPORTS FACILITIES CANTEEN**

"Ozone water cleaning technology is a game-changer in the fight against water pollution.." - Amanda Clark, Water Conservationist

SOME OF OUR INSTALLATIONS AND PARTNERS



TopGolf



SOLD IN ASIA AS AURO₃RA 6

AURO₃RA 6

Testing and certification

CE, RoHS, REACH, WEEE certification and compliance

ACQUA3/AURO₃RA 6 machines have been fully tested and are certified compliant according to EU regulations.

Our testing partner is SGS, the world leading testing, inspection and certification company.

Regulatory Ozone Water

FDA

21 § CFR 129.80 (3/15/1977; amended 4/4/2012) sanitizing with ozone for bottled water.

21 CFR §173.368 (6/26/2001) Ozone water permitted as secondary food additive.

21 § CFR 178.1010 (b) (1, 3, 9, 30, 38) (3/16/1977) Ozone is GRAS (Generally Recognized As Safe) and listed under prior sanction (USEPA/FIFRA) Standard Dose 1-5 ppm Ozone

USDA

USDA/FSIS Directive 7120.1 (12/17/02) (Revised 3/3/16) Ozone water is safe to use for food production processes.

NOP Final Rule (§ 205.605 (b) (20) pg. 437 Ozone is allowed in products labeled 'organic' .

EPA

Ozone Generators are recognized by the EPA as antimicrobial producing devices per EPA documentation published in 1976

Links

<https://www.lenntech.com/library/ozone/history/ozone-history.htm>

<https://www.food-safety.com/articles/5197-aqueous-ozone-from-cleaning-to-sustainability>

<https://www.food-safety.com/articles/4369-recent-ozone-applications-in-food-processing-and-sanitation#sidebar>

<https://webgate.ec.europa.eu/life/publicWebsite/project/details/2524>

<https://www.tandfonline.com/doi/pdf/10.1080/01919510600987347>

<https://www.facilitiesnet.com/green/tip/What-Is-Aqueous-Ozone-Cleaning--36856>

Who is, the manufacturer, Skypoint Sustainable Technology:

A company set up by friends who proved that sustainable ozone water technology can replace most of the polluting (toxic) chemicals used in cleaning and sanitizing

If you want more information or would like to schedule a demonstration near your location, please contact us at:

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www.acqua3.nl

