

 watersystems

Welcome to the Future of Clean

Product Overview and Solution Guide



OCTOBER 2022

Certified

Corporation

Say goodbye to harsh packaged chemicals

Make the switch to the future of cleaning and infection control with sustainable on-site generation systems by eWater.

Safe and highly effective, eWater provides you with a sustainable and proven alternative to expensive and harsh commercial chemical consumables.

Why make the switch?

Pollution, waste, indoor air quality, workplace health and safety, supply chain security, cost savings... there are countless reasons to reduce your reliance on conventional packaged chemicals.

Simple Effective Technology

eWater is produced by an on-site generator using only salt, water and electricity utilising world-leading electrolysis technology.

Providing an endless supply, eWater overcomes supply chain issues and reduce your organisations expenses on chemicals.

Proven & Accredited

eWater is accredited by the Australian Therapeutic Goods Administration and HACCP as a safe and effective cleaning and infection control solution that your team can trust.

Safe & Sustainable

eWater does not contain any synthetic or harsh chemicals common in conventional cleaning products.

When coupled with on-site generation and a reusable consumable system, eWater is also kind on our planet, reducing pollution, waste and toxicity.

Save Money

eWater has been shown to be 80% cheaper than traditional chemicals making it a cost effective choice for your organisation. When coupled with indirect savings and benefits, it really is the future of clean.

In Good Company

eWater has been used by leading organisations across Australasia for over a decade.



Ready to take the next step?

Get in touch with our team today to discuss your requirements and find out how eWater can fit into your organisation.

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About us

World leaders in sustainable cleaning and infection control systems

Since our formation in 2007, we have strived to help our customers reduce their reliance on harsh chemical consumables for a better world.

Based in Melbourne, with customers across Australia, New Zealand and the Pacific, our customer base includes leading restaurants, hospitals, aged care providers, universities, convention centres and commercial buildings.



B Corporation

We are committed to making a positive impact on our increasingly degraded environment through our own business and our product solutions for customers.

Recognition

eWater has been awarded multiple times recognising the impact of this technology including:

- Westpac Business of Tomorrow Award
- Banksia Business Sustainability Award
- Victorian Premier's Sustainability Award
- B Corporation, Global Environment Impact Award

Impact

Our goal is to empower our customers transition to a circular economy solution for cleaning and infection control.

Using eWater removes waste, keeps products and materials in use, and regenerates the natural environment.

Collectively the members of our pioneering movement are replacing millions of litres of packaged chemicals each year in Australia, significantly reducing plastic waste, pollution and toxicity.

380m

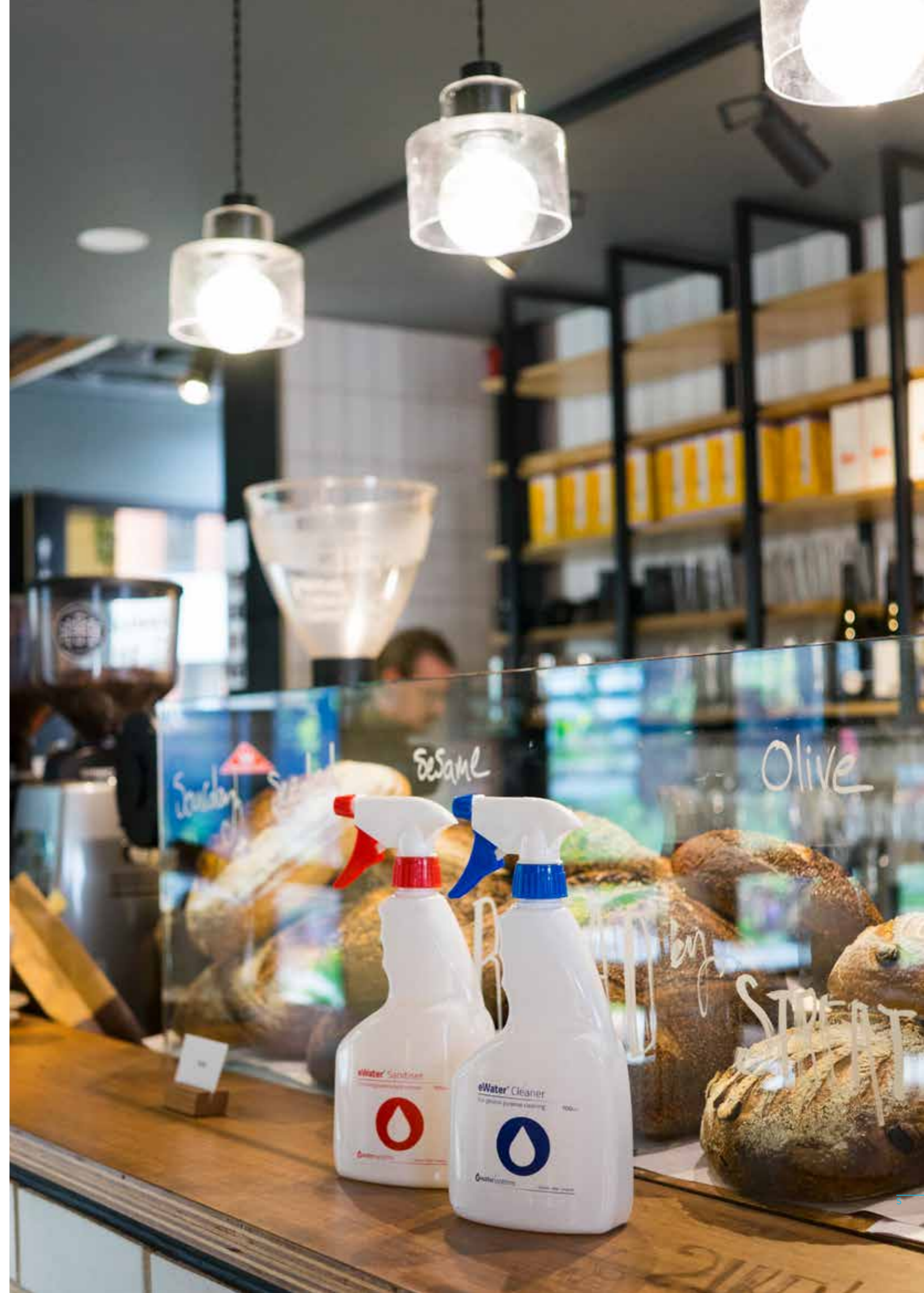
Litres of synthetic chemicals replaced

\$37m

Savings generated by customers

87m

Single use plastic containers replaced



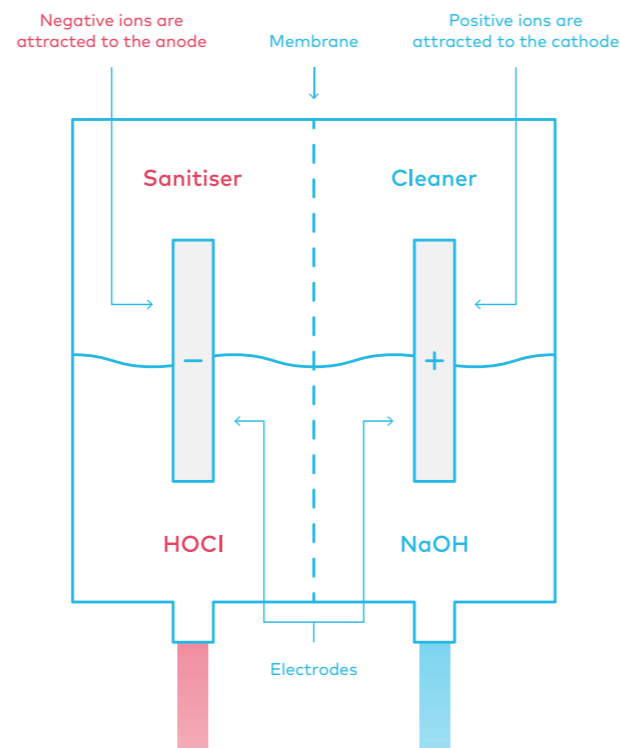
How eWater works

eWater is produced by an on-site generator utilising sustainable electrolysis technology that requires only salt, water and electricity inputs.

Electrolysis has many different commercial and scientific applications. For the purposes of eWater, salt water electrolysis is utilised to deliver an on demand cleaning and infection control solution with versatile application.

Starting with ordinary tap water and a mild salt brine solution, eWater on-site generators pass this salt water solution through an electrolytic cell membrane.

The cell membrane uses a positive and negative electrical charge to split and reform the salt water ions into two types of electrolysed water that form the basis of eWater solution products. This process can be visualised in the adjacent diagram.



Key Points

- Salt, water & electricity are the only inputs
- Uses electrolysis technology
- Onsite & on demand generator
- Produces two electrolysed water solutions that form the basis for the eWater solutions below.

Solutions produced by the eWater On-site Genera-



eWater Sanitiser

An effective, quick contact anti-bacterial sanitiser for surfaces, hands and fresh food produce sanitising.



eWater Cleaner

A multi-purpose cleaning agent that cuts through dirt, grease and grime. Ideal for use on all surfaces, including stainless, glass, floors and equipment. Food safe for produce wash.



eWater Disinfectant

Commercial grade surface disinfectant proven to kill Coronaviruses including COVID-19 in 1 minute.

TGA Accredited - ARTG 0343007



eWater Neutral

A mild, natural and pH Neutral bleach solution for floors, surfaces and other hard surface needs.

Applications

eWater is ideally suited for commercial cleaning and infection control applications across all industries including for food safety application in food service and preparation facilities.

Food service

eWater is a proven and highly effective food safety and cleaning solution for the food service industry.

HACCP accredited, eWater provides a versatile and efficient point of application solution for commercial kitchen operations of all sizes.

- Food contact cleaning and sanitising
- Food spoilage reduction
- Hand wash and sanitising
- Equipment and appliances cleaning and sanitising
- All purpose degreasing
- Bin, sink and drain deodorising
- Streak free glass and metal cleaning
- Floor cleaning (scrubber compatible)
- Surface cleaning and disinfection



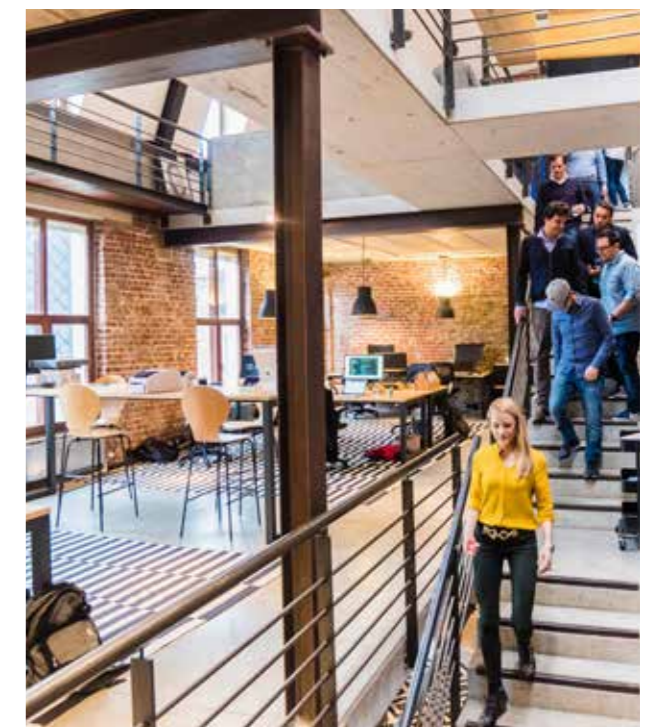
Commercial Cleaning & Housekeeping

eWater is used by cleaning and housekeeping teams of all types including - hotels, commercial offices, retail, education, mining, aged care and more.

Combining scalability with versatility, eWater helps reduce the number of products required to get the job done.

- TGA Listed Disinfectant
- Surface cleaning and disinfection
- Streak free glass and metal cleaning
- Bin, sink and drain deodorising
- All purpose degreasing
- Floor cleaning (scrubber compatible)
- Bathroom cleaning

eWater is known to be safe for using on all surface types including natural stones and fabrics. (surface testing encouraged before wider use)



Benefits of eWater

Whether it be for economic, risk mitigation, sustainability or healthy workplaces, there is a reason for everyone to choose eWater.

The Future of Clean

Its time to move on from traditional single use chemical consumables to a better future with less waste and less pollution.

eWater will help your team remove almost all consumable waste and take control of your supply chain with onsite generation.

Non-toxic and very safe, it is both good for your team and the environment.

Healthy workplaces

Because eWater contains no harmful chemicals or synthetic fragrances, it is safe to use around staff, customers, children or residents without the risks normally associated with chemicals.

- Safe and gentle on your skin
- No fragrances and hypoallergenic
- No chemical residue
- Improve indoor air quality
- Remove chemical residues

Reduce pollution & waste

eWater is kind on our planet, reducing pollution, plastic waste and toxicity. As a zero waste, **circular economy solution**, eWater fits perfectly in every organisations sustainability strategy.

- Only three natural ingredients – salt, water and electricity
- 100% biodegradable
- No volatile, toxic or synthetic chemicals
- Circular Economy Solution

Interested in more sustainability information?

Request a copy of our sustainability guide that covers circular economy, SDG and green building alignment.

Email our team at sales@ewaterystems.com

Lower operating expenses

eWater has been shown to be 80% cheaper than conventional chemicals making it a cost effective choice for your organisation.

- Save 80% or more on your chemical bill
- Reduce waste, training and compliance costs

See the business case page for more information

Supply chain security

The COVID pandemic highlighted the need for organisations to secure critical supply chains. eWater will ensure you always have cleaning and infection control at the press of a button.

- Secure onsite generation
- Capable of generating over 5000L of eWater per day
- Reduce transport, handling and OS&H costs

Green building credits

eWater onsite generators align with all major Green Building Protocols providing direct and indirect credits for your projects.

- Direct & Indirect credit alignment
- Low cost credit
- Future proof your workplace

Learn more about credit alignment in our dedicated Green Building Guide.

The best choice for fresh produce

Cleaning and sanitising fresh produce with eWater solution has been proven to extend shelf life as well as to be effective at removing residual pesticides.

- Point of application production solution
- Fast contact times
- Reduce food spoilage
- Remove chemicals from food
- No effects on taste or texture

Key Points

Better for People

- Non-toxic solution
- Sensitive on skin
- No synthetic fragrances or additives
- Improves indoor air quality
- Safe to use around children

Better for the Planet

- Circular Economy Solution
- No trade waste
- Reusable consumables
- Biodegradable
- Cruelty Free
- Reduces CO² Emissions

Better for business

- 80% cheaper than traditional chemicals
- Supply chain security
- Reduce OS&H compliance & risks
- Contributes to Green Building Credits

Trusted & Effective

- TGA Listed Disinfectant
- Proven to kill COVID-19 in 1mins
- Food Contact Safe
- HACCP Certified

#1

Worksafe Australia receives more injury claims from the cleaning industry than the construction industry.*

40,000

Chemicals in Australia, less than 1% thoroughly tested*

#1

Reason Australians choose Organic food is because of chemicals*

#FUTUREOFCLEAN

*Australian Organic Market Report 2019, National Waste Report 2016-17, Australian Government National Industrial Chemicals and Notification Scheme, Worksafe Australia.

*Global Chemical Outlook Report II, Published 29 April 2019. Available from UN Environment Website.

Efficacy

Cleaning and infection control your team can trust

Extensively tested and accredited to kill a wide range of pathogenic microorganisms, eWater Sanitiser and Disinfectant are products your team can trust.

eWater onsite generators produce a dual purpose Disinfectant and Sanitising solution containing an active ingredient called Hypochlorous Acid (HOCl).

HOCl is a weak acid that is widely recognised as the most effective antimicrobial in the chlorine family and is the active ingredient in bleach.

Naturally formed during the electrolysis process, HOCl doesn't contain any hypochlorites and can be used at a much lower concentration and research indicates that it is 80 to 120 times more efficacious than sodium hypochlorite (bleach).

It is also naturally produced by our neutrophils, or white blood cells to fight microbial infection and inflammation.

Uniquely this makes Hypochlorous Acid one of the only non-toxic disinfection agents.

eWater Disinfectant

TGA listed commercial grade disinfectant. Proven to kill Coronaviruses including SARS-CoV-2 (COVID-19) in 1 minute.

For more information please contact our team.

eWater Sanitiser

eWater Sanitiser is a multi purpose Sanitiser that meets standards as a quick contact sanitiser that will kill 99.9% of bacteria on surfaces.

Importantly the product is also a Food Contact Sanitiser proven to kill food borne pathogens, meeting the FSANZ standards. Certified by HACCP.

Validation Information

eWater Sanitiser & Disinfectant has been test and validated by Eurofins, Ensign, and Merieux Laboratories under BS EN 1276:2009 and AOAC Hard Surface Carrier testing regimes for a range of pathogens.

For more information regarding this please contact our team.

Key Points

- Extensively tested and accredited
- TGA Listed Hard Surface Disinfectant
- Proven to kill COVID-19 in 1 mins
- Active Ingredient is Hypochlorous Acid

- HACCP Certified as food safe system
- Meets FSANZ Standard 3.2.2 Division 5
- Food Contact Safe
- Does not impact taste or texture of produce



Food Safety

eWater is a trusted food safety compliant system for leading food business

Integrated Food Safety System

eWater provides a unique integrated approach to managing cleaning and food safety in food processing or kitchen environment.

eWater is produced ready-to-use and is available on demand with point of application, dramatically increasing productivity.

Simplify your chemical and food safety management and reduce your chemical bill.



Food Safety Compliance

eWater onsite generators are HACCP certified for use in food facilities and food handling operations and meet the FSANZ standard 3.2.2 Division 5 for cleaning, sanitising and maintenance.

Request a copy of our Product Validation documentation for more specific details regarding efficacy, protocols and application.



The best choice for fresh produce

eWater is an effective food contact cleaning and sanitising agent. Evidence shows that it helps remove chemical residues on food surfaces, while not impacting flavour or texture.

eWater is a Certified Allowed Input for organic food processing.



Business Case

With onsite production, you are able to take control of your supply chain and produce what you need, when you need it. The result is a system that will deliver ongoing compounding savings to your chemical expenses.

Direct Savings

eWater users typically realise a 2-4 year payback period on direct capital, with systems having a 10+ year product lifespan.

eWater has been independently found to be up to 80% cheaper per chemical litre.

With significantly lower production costs vs packaged chemicals, eWater enables you to replace a wide spectrum and quantity of chemicals with a much cheaper alternative day in day out.

Chemical Replacement List

Speak to our team to request a copy of our cost savings calculator that can assist working out what chemicals you can replace with eWater and potential annual savings.

Indirect Savings

In addition to direct chemical savings, eWater provides a range of indirect benefits that support operational and OH&S cost savings.

These include:

- Reduced workplace incidents and downtime.
- Fewer and simpler chemical compliance requirements.
- Reduced chemical management and storage.
- Reduced waste management

Short term payback, Long term savings

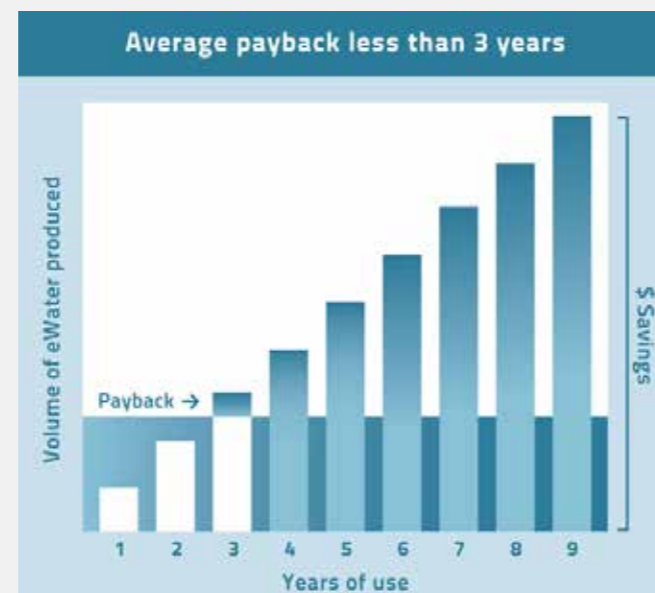
Calculating Direct Capital Payback

Example based on average use

180 operating hours per year
x 3 litres per minute (production rate)
x 60 minutes
32,400 litres per year

Total Annual Cost = \$110

eWater saves an estimated \$3,130 per annum compared to traditional chemical consumables



Based on consumable costs, each litre of electrolysed water only costs \$0.0022 to \$0.0034, whereas the average cost of packaged disinfecting products is \$0.10 per litre of diluted product.

RMIT University Study: The Use of Electrolysed Water Vs Conventional Cleaning and Sanitising Products

Stokehouse Restaurant

After a devastating fire in 2014, the iconic Stokehouse Restaurant in St.Kilda invested in eWater during its rebuild.

Incorporated to align with the restaurants sustainability ethos and reduce chemical costs, the system has been integrated throughout the site for kitchen, bar and front of house teams to all use.

"I'm really excited that the Chefs love it...they have told me that it's better than what they could have ever anticipated"
— Frank van Haandel, Owner

Outcomes -

- Provided Greenstar Credit, supporting a 5-star building rating.
- Direct savings payback achieved in 24 months.
- Replacing 3,000 litres of chemical per year or equivalent to 900x 5L single use plastic consumables.
- Team engagement supporting sustainability across business.

YMCA Early Education

YMCA Victoria operate over 70 sites for young people including dedicated early education centres across Victoria.

YMCA invested in eWater across all its early learning centres to reduce chemical toxicity, pollution and single use plastic waste on sites.

"This completely revolutionises the need for strong and harsh cleaning agents while ensuring we have a good balance of cleanliness in the centre."

— Robyn Mackenzie, YMCA Area Manager

Outcomes -

- eWater maintained an impeccable standard of hygiene.
- 20% cost savings compared to traditional chemical consumables.
- Reduced single use plastic waste
- Removed chemical residue across the centre ensuring safer environments for children.
- Are able to engage children in cleaning due to eWater being natural and non-toxic promoting learning outcomes.

Interested in more customer stories?

Head over to our website to find more customer stories and profiles.

www.ewatersystems.com



Product Data Sheet

eWater Reticulated System

ITEM	eWater Systems Water Electrolyser	
MODEL	Hoshizaki ROX-60SA-E (EW)	
POWER SUPPLY	1 Phase 220 - 240V 50-60Hz 1.11kVA(5.1A)	
AMPERAGE	2.1/2.1A Pump Operation: 2.9/3.8A	
ELECTRIC CONSUMPTION	350W/350W Pump Operation: 620/820W	
STANDARD PERFORMANCE	FLOW RATE	Sanitising/Cleaning Water: approx. 4L/min Supply pressure 0.25MPa(2.5bar) required for 4.0-6.0L/min
	AVAILABLE CHLORINE	Sanitising Water: 10mg/kg(ppm) or more (Flow Rate: 6L/min)
	pH	Sanitising Water: Approx. 3 Cleaning Water: approx 11
REFERENCE PERFORMANCE	AVAILABLE CHLORINE	Sanitising Water: 10mg/kg(ppm) or more (Flow Rate:6L/min)
	PH	Sanitising Water: Approx.2.9-3.3, Cleaning Water: Approx.10.5-11.0 [Note] Depends on raw water quality and temperature
SETUP	TANK CAPACITY	Sanitising/Cleaning Water: Approx. 200L(Available capacity 180L)
	DISCHARGE RATE	Sanitising/Cleaning Water: Approx 25/28L/min(at outlet)
	DISCHARGE HEAD	5m
	SALT WATER TANK	Max 12kg
	WATER SOFTENER	Ion Exchange Resin Volume: 12L Max Water Flow: 250L/h
	NEUTRALIZER	Neutralise sanitizing water overflow with neutralising agent (max Capacity 12kg)
OUTSIDE DIMENSIONS	1400mm(W) x 660mm(D) x 1800(-1830)mm(H)	
FLOW RATE ADJUSTMENT SYSTEM	Automatic Adjustment by Switch Operation (Low/Med/High)	
WATER SUPPLY SYSTEM	Direct Connection to Water Main (Pressure reducing valve provided) Rc 1/2	
START/STOP	Push Button	
CONNECTIONS	Water Inlet Rc1/2, Water Outlet 20A (G3/4 Female, Sanitising/Cleanng Water) Drain Outlet 20A (G3/4 Female) x 1, 13A (G1/2 Female) x 1	
VENT	25A(G1 Female Thread) x 3	
SALT WATER USAGE CONTROL	Float Switch	
ELECTRIC CIRCUIT PROTECTION	Earth Leakage Circuit Breaker(with Overcurrent Protector), Earth Wire, Fuse(for PC Board: 5A)	
LEG	Plastic Adjustable 150-180mm	
WEIGHT	250kg (Gross 300kg)	
PACKAGE	Crate 1520(W) x 790mm(D) x 1960mm(H)	
INSTALLATION CONDITIONS	Ambient Temp: 5-35c, Water Temp: 5-30c, Relative Humidity: Max 85%(No Condensation), Water Supply Pressure: 0.15-0.75MPa(1.5-7.5bar(gauge)).	

Specification Support Information

For specification support and further information, please contact our team
sales@ewatersystems.com

Product Data Sheet

eWater Reticulated System

eWater Reticulated System

Model ROX60-200



eWater Remote Control Unit



Product Data Sheet

eWater Reticulated System

AY Flexi Faucet



Automatic Handwash Dispenser (VDW)



Product Data Sheet

eWater Standalone System

ITEM	eWater Systems Water Electrolyser	
MODEL	ROX-10WB-EWS	
POWER SUPPLY	1 Phase 100 - 240V 50/60Hz	
AMPERAGE	2.0A	
ELECTRIC CONSUMPTION	170W	
ELECTRIC CIRCUIT PROTECTION	Ground Fault Interrupter (with Overcurrent Protector) Grounding Wire, Fuse(for PC Board: 5A)	
STANDARD PERFORMANCE	PRODUCTION RATE	Acid/Alkaline Water: approx. 0.7-1.5L/min
	AVAILABLE CHLORINE	20ppm or more
	pH	Acid Water: Approx. 3 or less Alkaline Water: 11 or more
OUTSIDE DIMENSIONS	350mm(W) x 185mm(D) x 340mm(H)	
WEIGHT	Approx. 13kg (16kg Gross)	
PACKAGE	Carton 610mm(W) x 250mm(D) x 452mm(H)	
EXTERIOR	Galvanized Steel (Polyester Powder Paint, ABS Plastic)	
INTERIOR	Stainless Steel, Galvanized Steel (Polyester Powder Paint)	
PRODUCTION RATE ADJUSTMENT SYSTEM	Automatic Adjustment by Switch Operation (Low/Standard/High)	
WATER SUPPLY SYSTEM	Direct Connection to Water Main(Accessory pressure reducing valve required) G3/4 (G1/2) Water Supply Pressure: 0.15 - 0.75MPa(22 - 109 PSIG)	
START/STOP	Push Button Switch, Noncontact Sensor	
DISPLAY	Operation, Ready, Add Salt Water, Replace Cell, Error, Water Outlet (Acid/Alkaline)	
ACCESSORIES	Salt Water Tank (5L), Cap, Water Supply Hose, Nozzle Hose (x2), pH Tester (TB, AZY), Chlorine Tester, Measuring Cup, Gasket, Pressure Reducing Valve (22 PSIG), Operation Sheet, Screw Collar, Anchor Bolt, Wood Screw, Rubber Dropper, Shower Nozzle, Straight Nozzle, O-ring, Elbow Assy	
INSTALLATION CONDITIONS	Clean. Dust Free. Well Ventilated. Install mid-point over sink, preferably mid-point over double bowl sink	

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Product Data Sheet

eWater Standalone System



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