

Model SG-OzPAK SG-OzVest

Sustainable, Green and Portable Battery Operated, Ozonated Water Jet Spray

The OzPak and OzVest are powered by a rechargeable battery providing up to 12 continuous hours of Ozonated Water with over 2PPM of dissolved ozone



SG-OzPak



SG-OzVest

ProMedUSA Professional SG-OzPAK and SG-OzVEST Ozonated Water Jet Spray

Why use Ozonated Water?

ProMedUSA's Professional Ozonated Water Solutions are battery operated, lightweight and produce a powerful stream of Ozonated Water with over 2PPM of Dissolved Ozone.

1. Ozonated Water is 100% GREEN and SUSTAINABLE. When discharged down the drain it changes back instantly into plain tap water. It will never pollute the environment.
2. Saves Energy – there is no need to use hot water
3. Saves Water, Time and Manpower – there is no rinsing required
4. Ozonated Water has been tested and proven to kill up to 99.999% of Viruses including SARS-Cov-2 Coronavirus, Germs and Bacteria including Norovirus, E.coli, Salmonella and Listeria
5. Ozonated Water is 3,000 times more powerful than Chlorine, yet the MSDS of Ozone Water is 0.0.0.0 (the same as tap water)
6. Ozonated Water is completely 100% safe and totally harmless for Humans, Pets, and Plants. It is so safe; you can drink it or bathe with it. (Dentists use ozonated water to for rinsing after dental procedures.)
7. Ozonated Water Cleans, Sanitises and Deodorises almost any surface in seconds without rinsing, so you save water
8. Quickly clean, sanitise and deodorise Toilets, Bin Centres, Rubbish Chutes, Floors, Walls, Food Processing Equipment, Schools, Childcare Centres, Hospitals, Clinics, Pet Shops, Spas
9. Clean and sanitise all foods including seafood, meats, poultry, fruits and vegetables – extending shelf life and killing food borne pathogens without changing the colour, flavour or texture.

ProMedUSA

SG-OzPAK and SG-OzVEST

Ozonated Water for Surface Cleaning, Deodorizing and Sanitizing Excellent also for Food Preparation Surfaces, Foods, F&B

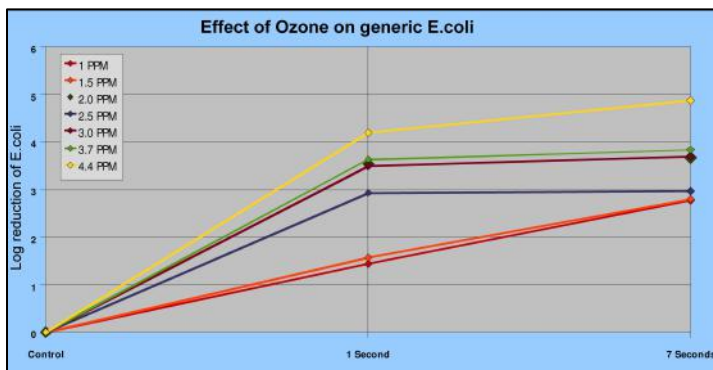
The ProMedUSA Model SG-OzPAK or SG-OzVEST Ozonated Water Generator Jet Spray instantly produces Ozonated Water with a dissolved ozone level of over 2ppm with just the touch of a button, the turn of a tap or by pulling the trigger on the jet spray nozzle.

Ozone is the world's most powerful disinfectant. It is 3,000 times more powerful than Chlorine, leaves no residue behind, and reverts back into pure oxygen in moments. It has been tested and proven to kill almost all known pathogens with only a brief exposure including SARS-CoV-2, E.Coli, Salmonella, Staphylococcus, HFMD, Hepatitis, MRSA, Listeria, and Norovirus.

Ozonated Water is used worldwide in Hospitals, Clinics, Dental Clinics, Military and Governmental agencies, the Food Preparation Industry, Schools, Restaurants.

It is GREEN, Sustainable and safe for the environment. It has been approved by the both the US FDA and US Department of Agriculture. Ozonated water is harmless, non-allergenic and safe for humans, children, pets and plants.

It will quickly clean, deodorize and sanitize almost any washable surface, killing odours, mould and mildew, removing grease and dirt. It will sanitize all food preparation surfaces, kill food borne pathogens on your meats, seafood, poultry, vegetables, remove pesticides, and prolong the shelf life of your foods by up to 40%.



BACTERIA	REDUCTION (%) At 2PPM Ozone	DWELL TIME (Seconds)
E. Coli	99.99	1-3
Listeria	99.999	3-11
Salmonella	99.99	11
Streptococcus	99.999	23
Legionella	99.99	9-12
VIRUSES		
Bacteriophage F2	99.999	2-5
Norovirus	99.9	2
Hepatitis A	99.9	1
Parvo Virus	99.99	30
Rotavirus	99.99	63-120
Coxsackie (HFMD)	99.99	15

As shown above, a 1 second exposure to Ozonated water with just a 2 PPM ozone concentration will kill 99.99% of all E.coli bacteria on a surface.



Bacteria on hands before and after washing
with 5 PPM ozonated water for 5 seconds



Swab test results

SIMPLE AND EASY TO USE



ACTUAL TEST RESULT BEFORE AND AFTER OZONE WATER



BEFORE APPLYING OZONE WATER
THE BACTERIA COUNT WAS 2728



AFTER APPLYING OZONE WATER
THE BACTERIA COUNT IS JUST 99

ProMedUSA SG-OzPAK

Ozonated Water Generator

Hand Wash Effectiveness*



PATHOGEN	WASH TIME	% REDUCTION
Staphylococcus aureus	5 seconds	99.9%
	15 seconds	99.999%
E.coli	5 seconds	99.9%
	15 seconds	99.999%
Salmonella	5 seconds	99.999%
	15 seconds	99.9999%
MRSA	5 seconds	99.99%
	15 seconds	99.999%
HFMD (Coxsackie)	5 seconds	99.9%
	15 seconds	99.99%
Listeria	5 seconds	99.999%
	15 seconds	99.999%
Legionella	5 seconds	Not tested
	15 seconds	99.99%
Hepatitis A	5 seconds	99.9%
	15 seconds	99.99%
Norovirus	5 seconds	99.9%
	15 seconds	99.999%

*Tested by Dokkyo Medical University (Japan) and also by SGS Worldwide Testing and Certification Service (Swiss) with 5 and 15 second exposures to ozonated water of 5ppm

PROVEN - VERIFIED RESULTS

Men's Toilets

LOCATION	READINGS			
	ODOUR READING Cosmos XP-329 Odour Meter		BACTERIA SWAB TEST RESULTS SystemSure Plus ATP Monitor	
	BEFORE	AFTER	BEFORE	AFTER
LITTLE INDIA NEL MRT STATION GENTS TOILET	586	478	5272	20
BUKIT TIMAH FOOD CENTRE GENTS TOILET	496	345	1143	29
BERSEH FOOD CENTRE GENTS TOILET	472	338	621	100

Test Procedure: The smell in the Men's Toilet at these 3 test sites was first measured for odour using the standard Cosmos Model XP-329 Odour Meter.

We then swabbed the urinals with the hospital Grade SystemSure Plus ATP meter and measure the relative bacterial count.

The Toilets were then washed down briefly with the Ozonated Water from the SG-OZPak and the readings were taken again.

The results: Odours immediately reduced by at least 30% with a single wash (repeated washing will further reduce the odours).

The bacteria count was reduced to a level that would be acceptable by the AVA for serving food on (100 counts or less). Theoretically, the urinals were sanitised enough to eat from!



CONFIRMATION OF THE EFFECTIVENESS OF THE OZONATED WATER PRODUCED BY THE OZONE GENERATOR USED IN THE SG-OzPAK IN DEACTIVATING THE CORONAVIRUS SARS-CoV-2

Tested at Nara Medical University, Level3 Biohazard Lab October 2020

TEST VIRUS USED: NOVEL CORONAVIRUS (SARS-CoV-2)

A study conducted at the Nara Medical University, by Professor Hisakazu YANO, Associate Professor Ryuichi NAKANO, Department of Microbiology and Infectious Diseases, confirmed the novel coronavirus SARS-CoV-2 inactivation effect of low-concentration ozone water generated by the Professional Use Ozone Generator used in ProMedUSA's SG-OzPAK.

The study confirmed the inactivation effect on the novel coronavirus of approx. 0.2 mg/l of low- concentration ozone water (hereafter referred to as "the ozone water") generated using an actual production model of the equipment to infuse tap water with ozone gas from a nozzle directly connected to the faucet.

The test and confirmation of effectiveness in the study were implemented under proper pathogen containment measures ex situ at bio-safety level 3 (BSL3), and do not constitute proof of effectiveness in an actual-use environment using the equipment.

TEST RESULTS:

The virus reduction rate was 99.7% with a 30 second exposure and at least 99.9% in 60 seconds respectively. These values are the average values of two tests.

	0 seconds	30 seconds	60 seconds
Without the ozone water	1.49×10^6	1.28×10^6	1.17×10^6
With the ozone water	1.49×10^6	2.75×10^3	$< 2.00 \times 10^2$
Decline rate (%)	-	99.7 %	> 99.9 %

The test results confirmed that the ozone water renders the novel coronavirus SARS-CoV-2 inactive at a rate greater than 99.9%. This confirms that cleaning with the SG-OzPAK's ozonated water may be effective for preventing contact infection via substances infected with the novel coronavirus.

SUMMARY

The generation of ozone water is broadly classified into generation by electrolysis or by generation by mixing ozone gas into water using the venturi injector, which is how ProMedUSA's SG-OzPAK generates it's ozonated water.

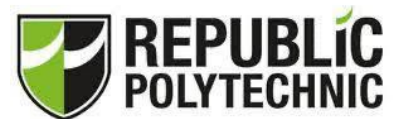
In this study, the effect of a relatively low-concentration (0.2 mg/l) of dissolved ozone in the test water generated by an actual production model of the SG-OzPAK's ozone generator verifies the effectiveness of the SG-OzPAK against the actual coronavirus SARS-CoV-2 (Covid-19) in achieving a rapid 99.9% deactivation (or destruction) of the virus.

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Some of our SG-OzPAK Customers

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SG-OzPAK Customers

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