

- ☑ REDUCES ENERGY COST by eliminating the use of hot water
- **☑** REDUCES CHEMICAL COST
- ✓ Leaves NO RESIDUAL or harmful by-products
- **☑** DISSOLVES OIL AND GREASE
- FDA AND USDA APPROVED for use in food processing

As consumers become increasingly health conscious and eco-friendly, there is a compelling need for various industries, especially healthcare, hospitality and food processing to seek chemical-free solutions.

Ozone water is one of nature's most powerful and safe disinfectant. It is the most ecologically friendly disinfection method as ozone is a natural gas that breaks down into oxygen and leaves no residual or harmful chemical by-products. Ozone is an FDA and USDA approved

antimicrobial agent for use in the treatment, storage and processing of food.

Traditionally, most industries use a combination of chemical based detergents and/or chlorine, hot water and steam for disinfecting surfaces such as food processing equipment, utensils, kitchen appliances and floors. Ozone eliminates the use of hot water and reduces the use of chemicals. Therefore, ozone water helps to save energy and reduce water consumption. Ozone can kill bacteria 3,100 times faster and is 50 times more effective than other disinfectants, such as chlorine.

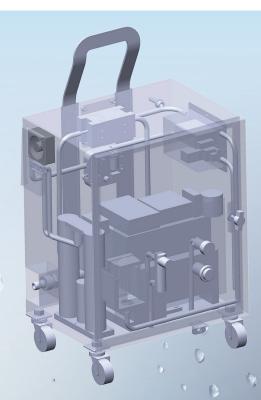
Ozone water breaks down oil and grease, making it easy to remove and therefore eliminate biofilm build-up on surfaces, including floors. As biofilm is a major and constant source of contamination, its elimination would be a compelling requirement for the food industry.

Ozone water offers a **cost effective**, **eco-friendly and powerful method of disinfection** as it has the ability to eliminate the broadest range of microorganisms than chemicals.

MedKlinn ozonewatersystem

The Medklinn O_3 Hydro Ozone Water System uses a proprietary process to infuse highly concentrated ozone into normal tap water to produce ozone water. A sophisticated design and control feature ensures the efficient production of ozone water with high and precise level of concentration to cater for various applications. To achieve this, ozone flow rate is adjustable to the water pressure, ensuring that its concentration is maintained for varying water pressure, provided it is above a specified minimum. While portable, it is also designed for quick deployment and ease of use – just attach a hose to a normal tap and a power point, and it is ready for use.





Highly Effective and Efficient Plug and Play

APPLICATIONS



Washing and general cleaning



Surface sanitation



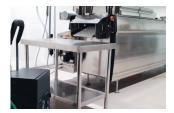
Kitchen utensils and equipment



Grease trap and sewage



Food preparation and sanitation



Food processing equipment



Toilet



Beverage and water bottling

BENEFITS



REDUCES ENERGY COST BY
ELIMINATING THE USE OF HOT WATER



ENVIRONMENTALLY FRIENDLY



REDUCES CHEMICAL COST



DISSOLVES OIL AND GREASE



REDUCES WATER CONSUMPTIONDUE TO LESS CHEMICAL USAGE



REMOVES MICROORGANISMS AND PREVENT BIOFILM BUILD-UP

TEST RESULTS

RESULTS OF HYGIENE TEST

Test Condition : O₃ Hydro was used to wash chopping board

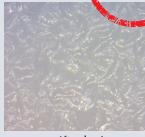
Equipment : 3M Clean-Trace Surface ATP

Cleaning Method: Green Sponge

Before Cleaning	After Cleaning	After Cleaning
(RLU)	for 1 min (RLU)	for 2 min (RLU)
182217	62	59

Chopping board surface conditions under 200X microscope:





Before cleaning

After cleaning

TEST RESULTS

RESULTS OF BACTERIA TEST IN GENERAL CLEANING

Test Condition

: O₃ Hydro was used to wash different surfaces

Test Report by

: BP Healthcare Group

Results : Total bacteria coun

: Total bacteria count reduced significantly after subjecting

to O₃ Hydro

Test Location	Total Bacteria Count Reduction (%)
Basin	99.95
Floor	99.97
Wall	99.99

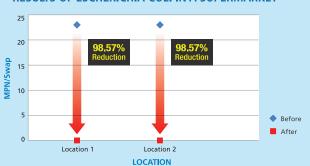
Normal Water: Oil remains undissolved in water

RESULTS OF TOTAL BACTERIA COUNT IN A SUPERMARKET



Type of Test: Total Bacteria Count | Test Method: Surface swap using Spread Plate Method, Cfu/50 cm sq @ 37 deg. C, 48hrs, PCA | Location: Three different butchery sections in a Supermarket | Product Tested: MedKlinn Ozone Water System (O_3 Hydro) | Test Report by: BP Food Testing Sdn. Bhd.

RESULTS OF ESCHERICHIA COLI IN A SUPERMARKET



Type of Test: Escherichia Coli | Test Method: Surface swap using MPN Method @ 44 deg. C, 48hrs, EC Broth | Location: Two different butchery sections in a Supermarket | Product Tested: MedKlinn Ozone Water System (O₃ Hydro) | Test Report by: BP Food Testing Sdn. Bhd.

Yes

17 kg

Hepa Filter

Portable with wheels

SPECIFICATIONS

In Operation, Auto Switch

Installation

Maintenance Part(s)

Weight

Water Pressure Monitor (Bar)



Yes

16 kg

Hepa Filter

Portable with wheels

Yes

7.5 kg

Wall mount / Portable

Air Dryer Media

- 1. O₃ Hydro 3, O₄ Hydro 5 and O₃ Hydro 10 inlet and outlet hose size is 1/2 inch (13mm). O₃ Hydro 20 inlet and outlet hose size is 3/4 inch (19mm).
- 2. Ozone water concentration depends on water quality and temperature.
- 3. O_3 Hydro 3, O_3 Hydro 5 and O_3 Hydro 10 need a minimum water flow rate of 3 LPM to operate.
- 4. O_3 Hydro 20 needs a minimum water flow rate of 5 LPM to operate.
- 5. Hepa filter estimated life span of 6 to 12 months depending on air quality.

For more info, please log on to www.medklinn.com

Yes

No

5 kg

Wall mount

Air Dryer Media