



Sustainable & Chemical-Free



Business Solutions

- Air+Surface Sterilization Systems
- Ozone Water Systems
- Integrated Sterilization Systems





Sustainable Sterilization Technology

Cerafusion[™] Technology is a groundbreaking sterilization solution that is sustainable and chemical-free. It is designed to provide a **cleaner**, **healthier and safer environment**. Cerafusion[™] emulates nature to create Active Oxygen, preventing diseases and improving quality of life.









Photosynthesis

UV rays

Moving water

Thunderstorms

Active Oxygen is made up of O3 and O- molecules. It **kills up to 99.97% of bacteria, viruses, allergens, moulds, and other pollutants** from your water, air and surfaces.



How Cerafusion[™] Technology Works?



Destroys & inactivates pathogens by breaking down bacterial cell walls, viral DNA and RNA.



Oxidizes volatile organic compounds (VOCs) including carcinogenic, cancer-causing chemicals such as formaldehyde.



Deodorizes bad odours from remnant food, refuse chamber, cigarette smoke and mouldy smell.



Eliminates both airborne and surface-bound pollutants including moulds and spores.



Denatures allergens such as dust mites.

Benefits We Deliver

We specialize in developing innovative sterilization solutions that are sustainable and chemical-free.

Our solutions are designed to reduce your business operating costs while optimizing your processes by disinfecting water, air, and surfaces in your premises. We offer a comprehensive range of solutions tailored to meet your specific business needs. By working closely with you, we're committed to help you achieve your business goals and ensure compliance with standards and regulations. Leveraging on our expertise and solutions, we provide these value-added benefits by addressing your concerns.



Industries We Serve



Food Processing & Manufacturing





F&B



Cold Storage Room & Warehouse



Office & Commercial Buildings



Agritech & Aquaculture

Our Sustainable & Chemical-Free Solutions

Elevate your business with our Sterilization Solutions. Choose from readily available systems or tailor-made options to fit your specific requirements.

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Air+Surface Sterilization Systems

Eradicate persistent sources of indoor pollutants such as bad odours, moulds, and cross infections.

Continuous 24/7 Sterilization • Ad Hoc Treatment

Recommended for:

Hotels, offices, classroom, restaurants, cigar lounges, smoking rooms, event halls and more.



Scan/ Click here for more information



Ozone Water Systems

Turn your water into a powerful and chemical-free disinfectant. Easily retrofit for seamless connection to your water pipe outlets or flexible for use in various locations.

Portable • Wall Mount

Recommended for:

Central kitchen, food processing and manufacturing plant, butchery, refuse chamber and more.



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Integrated Sterilization Systems

Complete solution to address the needs for air, surface and water disinfection.

Ozone Water System



Air+Surface Sterilization Systems

Recommended for:

Food processing and manufacturing plant, F&B outlets, supermarket, public washroom and more.



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Scientifically Proven Beyond The Lab

Discover the proven effectiveness and efficiency of Cerafusion™ Technology through real-world environment, showcasing its reliability and performance.

Reduction and Inactivation of Viruses & Bacteria



Microbiology Test

An independent lab test conducted by Monash University shows a significant reduction in harmful microorganisms after using our Cerafusion™ Technology.

Bacteria/Mould Type	Without Cerafusion™ Technology	With Cerafusion™ Technology	Test Results
Bacillus speciesCauses anthrax and food poisoning			100% killed
 Candida albicans Common yeast that causes skin and systemic infection 			100% killed
 Pseudomonas Aeruginosa Causes eye, ear, and joint infections, hospital-acquired infections, and wound infections 			99.99% killed
Methicillin-resistant Staphylococcus aureus • Causes pimples, boils, pneumonia, food poisoning, septicaemia, and hospital acquired infections			100% killed
Rhizopus species*Causes allergic reactions			No mould growth

*Comparison of mould growth on exposed bread after 10 days in room temperature in the absence or presence of a MedKlinn Air+Surface Sterilizer.

Test Procedure: Bacteria or yeast were spread onto agar plates. The plates were then incubated in two humidified incubators — one with Cerafusion™ Technology and one without.

Test Conducted by:

Associate Professor Sek C. Chow Dr Med Sc, Registered Toxicologist (UK) Monash University, Sunway Campus Dr. Anne Vaughan

Lecturer, School of Science Monash University, Sunway Campus

Field Test Results



Reduction of Microorganisms Count in Chiller Room

Test Procedure:

The microorganism count in a chiller room was assessed before and after implementing the Medklinn Air+Surface Sterilization System, utilizing the Aerobic Plate Count method as per AS 1766.1.3, 1991, and the Yeast & Mould Count method according to AS 1766.2.2, 1997.





Reduction of SARS-CoV-2 (COVID-19) Virus using Ozone Water

Test Procedure:

Virucidal activity of Medklinn Ozone Water was tested against SARS-CoV-2 using the virus plague reduction assay.

Test Conducted by:

Tropical Infectious Diseases, Research & Education Center Faculty of Medicine, Universiti Malaya, Malaysia

Prof. Sazaly Abu Bakar, Ph.D. Pouyo Professor & Director

Pouya Hassandarvish, Ph.D. Senior Lecturer



Reduction of Microbial Count in Central Kitchen

Test Condition:

Surfaces subjected to 1.2 ppm to 1.5 ppm ozone water concentration during the sanitization process when cleaning using Medklinn O3 Hydro 10.

Test Conducted by:

BP Food Testing Sdn. Bhd

Customer Success Stories



- Four Points by Sheraton
- Club Med Phuket, Thailand
- JW Marriot, Singapore
- Grand Hyatt Kuala Lumpur & Manila
- Le Meridien Bali Jimbaran, Indonesia
- Singapore
- Sikarin Hospital, Thailand
- St. John Ambulance of Malaysia • Vista Eye Specialist
- MyDentist

- Restaurant, Thailand
- Fraunces Tavern Restaurant, New York, United States
- Croisserie Artisan Bakery
 - Kay's Steak & Lobster

Air+Surface Sterilization Systems

Product Specifications	PRO AS2	PRO AS3	PRO AS4R	PRO AS7R	PRO AS10R	
Ozone Output (max)	20 mg/ hr	15 mg/ hr	200 mg/ hr	500 mg/ hr	1000 mg/ hr	
Adjustable Ozone Output	Yes	Yes		Yes		
Casing Material	Polycarbonate	ABS flame retardant	Galvanized steel + Epoxy powder coated			
Cartridge Type	Ozone	PRO AS Cartridge	N/A			
Power Plug Type	N/A		2 pin/ 3 pin power plug			
Input Voltage	110-240 VAC					
Input Current (max)	0.5 A	0.45 A	0.45 A 0.8 A			
Power Consumption	< 7 W	< 5.5 W	< 11 W			
Coverage Area*	450 ft²/ 48 m²	300-350 ft²/ 28-32 m²	400 ft²/ 36.5 m² 700 ft²/ 65m² 1000		1000 ft²/ 93m²	
Noise Level	N/A	N/A	50 dBA (1m away)			
Installation	Wall mount	Wall mount/ Tabletop	Standalone/ Wall Mount			
Settings	Low / Mid / High / iKlinn	Adjustable dial	Low/ High			
Dimension (mm)	182 (W) x 56 (D) x 131 (H)	75 (W) x 55 (D) x 145 (H)	220 (W) x 113 (D) x 156 (H)			
Operating Environment	Temperature: 10°C - 35°C					
Weight	0.7 kg	0.4 kg		1.2 kg		

Product Specifications	PRO AS20P	PRO AS30P	PRO AS40P	PRO AS50G
Ozone Output (max)	55 mg/ hr	85 mg/ hr	130 mg/ hr	150 mg/ hr
Adjustable Ozone Output		N	//A	N/A
Casing Material	Stainless steel + Epoxy powder coated			
Cartridge Type	N/A			
Power Plug Type	2 pin/ 3 pin power plug			
Input Voltage	110 - 240 VAC			
Input Current (max)	0.5 A			
Power Consumption	< 18 W <21 W			< 21 W
Coverage Area*	400 ft² / 36.5 m²	600 ft² / 55 m²	800 ft² / 73 m²	1000 ft² / 93m²
Noise Level	50 dBA (1m away)			
Installation	Portable Wall or ceiling mount			
Dimension (mm)	137 (W) x 188 (D) x 183(H) 158 (W) x 233 (D) x 242 (H)			182 (W) x 177 (D) x 192 (H)
Operating Environment	Temperature: 10°C - 35°C			
Weight	1.8 kg	2.0 kg	3.0 kg	2.2 kg

1. Medklinn Air+Surface Sterilizer regulates ozone at/or below 0.05 ppm concentration at ambient level. 2. Complies to International Guidelines.

3. Tested condition: Office space with a standard ceiling height of 9 feet / 3 meter, a minimum air exchange rate of 3 to 4 times at 23 deg C and 45% RH. 4. The coverage area will be smaller for more polluted environment. 5. The source of air is Oxygen or Dry Air.

6. Medklinn device has an IoT enabling option for online control and monitoring.

Air+Surface Sterilization Systems

Product Specifications	PRO AS180	PRO AS200	PRO AS300D	PRO AS500D	PRO AS750D	PRO AS1000D
Ozone Output (max)	150 mg/ hr	500 mg/ hr	500 mg/ hr	1000 mg/ hr	5 g/ hr	5 g/ hr
Adjustable Ozone Output	N/A	N/A		Ye	es	
Casing Material	Stainless steel + Epoxy powder coated	Galvanized steel + Epoxy powder coated				
Power Plug Type	2 pin / 3 pin	power plug	ower plug 3 pin power plug		2 pin / 3 pin power plug	
Input Voltage	110 - 240 VAC		220 - 240 VAC			
Input Current (max)	0.5 A	0.4 A	0.5	A	1.5 A	1.7 A
Power Consumption	< 21 W	< 96 W	110	W	350 W	408 W
Coverage Area*	1000 ft² / 92 m²	Non distributed System: 1800 ft² / 165 m² Distributed System: 2000 ft² / 185 m²	3000 ft² / 278 m²	5000 ft² / 464 m²	7500 ft² / 695 m²	10000 ft² / 929 m²
Installation	Standalone	Standalone/ Wall mount		Standalone		
Noise Level			50 dBA (1r	m away)		
Settings	Low/ Mid/ High/ Iklinn	Timer / Flow Meter				
Dimension (mm)	147 (W) x 133 (D) x 591 (H)	350 (W) x 140 (D) x 390 (H)	0 (H) 408 (W) × 288 (D) × 621 (H)		365 (W) x 355 (D) x 470 (H)	700 (W) × 450(D) × 800 (H)
Operating Environment			Temperature: 10°C- 35°C			
Source of Air	Oxygen	Dry Air	y Air Oxygen			
Oxygen Flow Rate ⁵	N/A	3.5 LPM	Adjustable 0 - 3 LPM		Adjustable 0 - 5 LPM	Adjustable 0 - 10 LPM
Number of outlets	N/A	1 - 3	1 -	6	1 - 10	1 - 20
Tubing type	N/A		FEP			
Weight	5.0 kg	7.7 kg	18.0	kg	20.0 kg	50.0 kg
loT Feature (Optional) ⁶	N	A Yes				

1. Medklinn Air+Surface Sterilizer regulates ozone at/or below 0.05 ppm concentration at ambient level.

Complies to International Guidelines.
 Tested condition: Office space with a standard ceiling height of 9 feet / 3 meter, a minimum air exchange rate of 3 to 4 times at 23 deg C and 45% RH.
 The source of air is Oxygen or Dry Air.
 Medklinn device has an IoT enabling option for online control and monitoring.

Ozone Water Systems

Product Specifications	O3 Hydro 5	O3 Hydro 10	O3 Hydro 20	O3 Hydro 30
Ozone Water Concentration*	0.6 - 0.8 ppm		0.8 - 1.5 ppm	·
Casing		Galvanized steel + Epo	bxy powder coated	
Water Flow Rate (inlet)	6 - 12 lpm	6 - 21 lpm	10 - 37 lpm	25 - 70 lpm
Operating Water Pressure	1.5 - 3 bars	2 - 3 bars		
Power Plug Type	2 pin/ 3 pin plug			
Input Voltage		220 - 240 VA	AC@50Hz	
Input Current (max)	0.4 A	0.5 A	0.6 A	1.0 A
Power Consumption	< 96 W	110 W	115 W	250 W
Dimension (mm)	450 (W) x 140 (D) x 510 (H)	 Including handle height: 408 (W) x 319 (D) x 891 (H) Excluding handle height: 408 (W) x 319 (D) x 571 (H) 	 Including handle height: 408 (W) × 319 (D) × 891 (H) Excluding handle height: 408 (W) × 319 (D) × 571 (H) 	365 (W) x 355 (D) x 470 (H)
Oxygen Flow Rate ³	Adjustable 0 - 3.5 lpm		Adjustable 0 - 5 lpm	
Water Pressure Monitor (Bar)	N/A Yes			ÐS
Installation	Wall mount	Portable with wh	neels / Wall mount	Standalone/ Wall mount
Weight	7.5 kg	18.0 kg	18.0 kg	20.0 kg
Accessories	• 10m Hose • 3 Quick Plugs • Spray Nozzle • 3 of 3/4" Venturis	• 10 m Hose • Spray noozle • 3 Quick plugs • 3 of 3/4" Venturis • 1 Spra • 3 T-Joints • 30 m of 1		
loT Feature (Optional) ⁴	No	Yes		

Product Specifications	O3 Hydro 40	O3 Hydro 50	O3 Hydro 60		
Ozone Water Concentration*	0.8 - 1.5 ppm	0.8 - 1.5 ppm	0.8 - 1.5 ppm		
Casing Material		Galvanized steel + Epoxy powder coated			
Water Flow Rate (inlet)	40 - 85 lpm	80 - 145 lpm	100 - 295 lpm		
Operating Water Pressure	2 - 3 bars				
Power Plug Type	2 pin / 3 pin plug				
Input Voltage		220 - 240 VAC@50Hz			
Input Current (max)	1.7 A 2.7 A 3.5 A				
Power Consumption	408 W	408 W 650 W 840 W			
Dimension (mm)	700 (W) x 450 (D) x 800 (H)				
Oxygen Flow Rate ³	Adjustable 0 - 8 lpm				
Water Pressure Monitor (Bar)	Yes				
Installation	Standalone				
Weight	50.0 kg				
Accessories	• 4 of 3/4" Venturis • 1 Spray nozzle • 4 T-Joints • 30 m of FEP				
IoT Feature (Optional) ⁴	Yes				

Scientifically proven to eliminate 99.99% bacteria.
 Ozone water concentration depends on water quality and temperature. Test was carried out with ambient temperature of 23°C - 25°C and 50% Humidity.
 The source of air is Oxygen or Dry Air.
 Medklinn device has an IoT enabling option for online control and monitoring.

Integrated Sterilization Systems

Product Specifications	INT 5	INT 10	INT 20	
Ozone Output (Air)	2g/ hr	500 mg/ hr	1g/ hr	
Ozone Output (Water)	500 mg/ hr	1000 mg/ hr	5 g/ hr	
Adjustable Ozone Output		Yes		
Casing Material		Galvanized steel + Epoxy powder coated		
Ozone Water Concentration ¹	0.6 - 0.8 ppm 0.5 - 1.2 ppm			
Water Flow Rate (inlet)	6 - 12 lpm	10 - 35 lpm	20 - 60 lpm	
Operating Water Pressure	1.5 - 3 bars 2 - 3 bars			
Power Plug Type	2 pin/ 3 pin plug			
Input Voltage	220 - 240 VAC / 50Hz			
Input Current (max)	0.4 A 1.0 A		2.0 A	
Power Consumption	< 96 W	250 W	480 W	
Coverage Area ²	2000 sq ft/ 185 m ²	2000 sq ft/ 185 m ²	5000 sq ft/ 465 m ²	
Installation	Wall mount Standalone			
Settings		Timer / Flow meter		
Dimension (mm)	450 (W) x 140 (D) x 510 (H)	365 (W) x 355 (D) x 470 (H)	700 (W) x 450 (D) x 800 (H)	
Operating Environment	Temperature: 10°C-35°C			
Source of Air	Dry air Oxygen		en	
Oxygen Flow Rate ⁵	Adjustable 0 - 3.5 lpm Adjustable 0 - 8 lpm			
Number Of Outlets (Air)	1 - 3 1 - 4		1 - 8	
Number Of Outlets (Water)	1		1 - 4	
Tubing Type	FEP			
Weight	9.4 kg	20.0 kg	40.0kg	
Accessories	 10m Hose • 3 Quick Plugs Spray Nozzle • 3 of 3/4" Venturis 60 m of FEP • 3 Nozzles • 2 T-Joints 	• 1 of 3/4" Venturi • 120 m of FEP • 5 Nozzles • 4 T-Joints	 4 of 3/4" Venturis 150 m of FEP 9 Nozzles • 11 T-Joints 	
loT Feature (Optional) ⁶		Yes		

Medklinn Air+Surface Sterilizer regulates ozone at/or below 0.05 ppm concentration at ambient level.
 Complies to International Guidelines.
 Tested condition: Office space with a standard ceiling height of 9 feet / 3 meter, a minimum air exchange rate of 3 to 4 times at 23 deg C and 45% RH.
 The coverage area will be smaller for more polluted environment.
 The source of air is Oxygen or Dry Air.
 Medklinn device has an IoT enabling option for online control and monitoring.

Integrated Sterilization Systems

Product Specifications	INT 30	INT 40	INT 50	
Ozone Output (Air)	5 g/ hr	5 g/ hr	10 g/ hr	
Ozone Output (Water)	5 g/ hr	10 ç	g/ hr	
Adjustable Ozone Output		Yes		
Casing Material	Go	Ilvanized steel + Epoxy powder coate	d	
Ozone Water Concentration ¹	0.5 - 1.2 ppm			
Water Flow Rate (inlet)	20 - 60 lpm	70 - 130 lpm	70 - 130 lpm	
Operating Water Pressure	2 - 3 bars			
Power Plug Type	2 pin/ 3 pin plug			
Input Voltage	220 - 240 VAC/ 50Hz			
Input Current (max)	2.3 A	2.6 A	2.9 A	
Power Consumption	552 W	625 W	700 W	
Coverage Area ²	7000 sq ft/ 650 m ² 8000 sq ft/ 743 m ²			
Installation	Standalone			
Settings	Timer / Flow meter			
Dimension (mm)	700 (W) × 450 (D) × 800 (H)			
Operating Environment	Temperature: 10°C- 35°C			
Source of Air	Oxygen			
Oxygen Flow Rate ⁵	Adjustable 0 - 8 LPM			
Number Of Outlets (Air)	1 - 10 1 - 12			
Number Of Outlets (Water)	1-4			
Tubing Type	FEP			
Weight		50.0 kg		
Accessories	 4 of 3/4" Venturis 180 m of FEP 11 Nozzles • 13 T-Joints 	 4 of 3/4" Venturis 180 m of FEP 11 Nozzles • 13 T-Joints 	 4 of 3/4" Venturis 210 m of FEP 13 Nozzles 15 T-Joints 	
loT Feature (Optional) ⁶	Yes			

Medklinn Air+Surface Sterilizer regulates ozone at/or below 0.05 ppm concentration at ambient level.
 Complies to International Guidelines.
 Tested condition: Office space with a standard ceiling height of 9 feet / 3 meter, a minimum air exchange rate of 3 to 4 times at 23 deg C and 45% RH.
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For more information, Please log on to **www.medklinn.com**

