

TEMI {IAQ}

Human-friendly Sanitizing IAQ Robot

{消毒阿添}

人機共存噴霧消毒空檢機器人

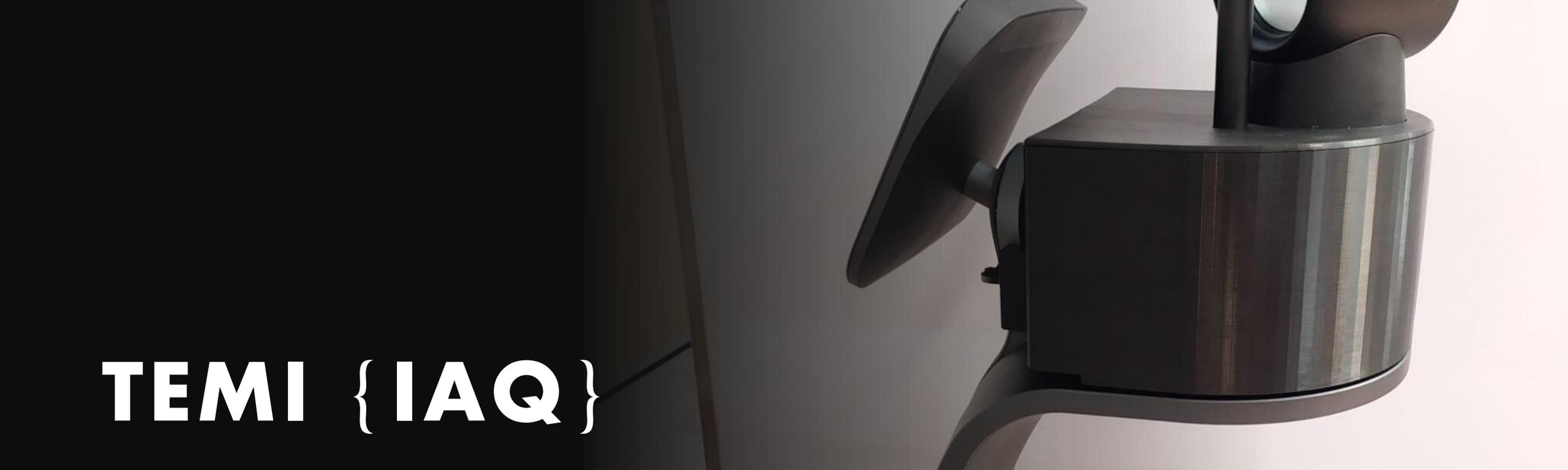


TEMI {IAQ}



- ✓ Save Manpower
- ✓ ROI in months



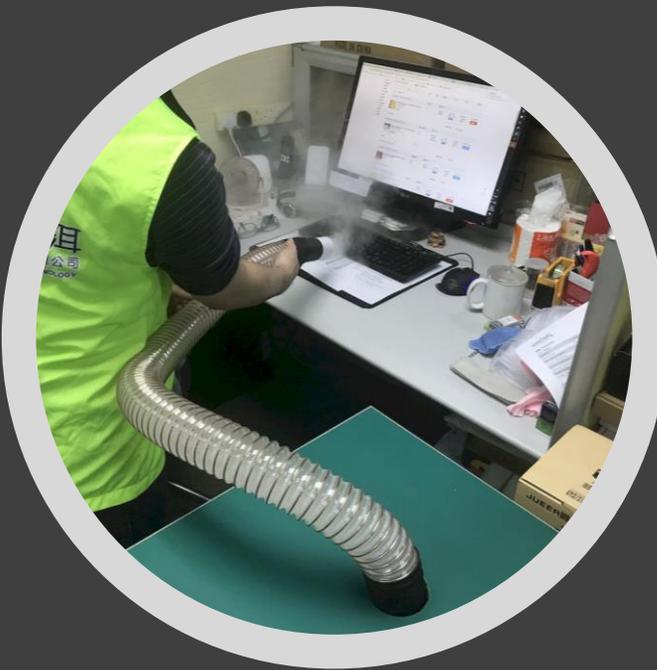


TEMI { IAQ }

Misting Sterilization
Hardware Component for
TEMI the AI Robot

TEMI {IAQ} Affordable Sanitizing Robot {消毒阿添} 噴霧消毒空檢機器人

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TEMI {IAQ} always Works with a Human Partner

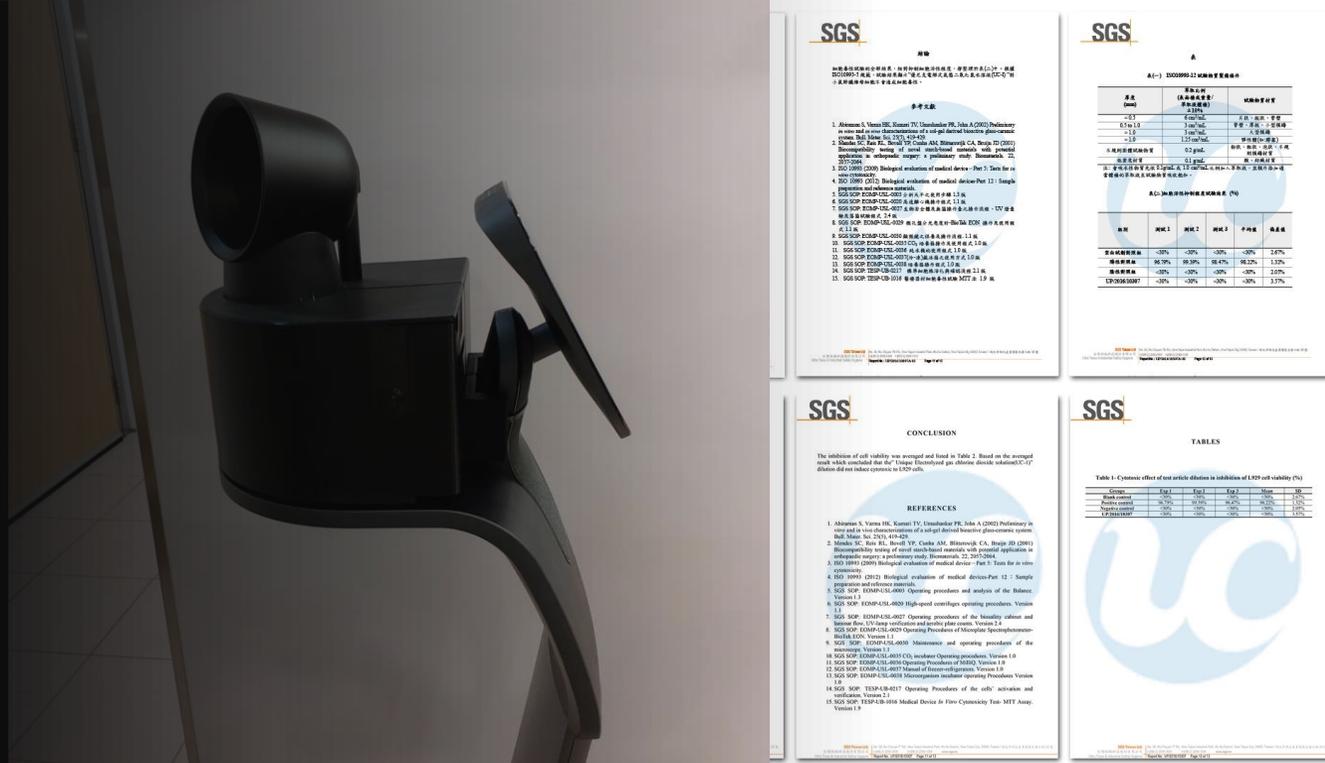
- ✓ To sanitize surfaces on high/low levels
- ✓ To sanitize objects above/underneath desks
- ✓ To sanitize space too narrow for TEMI to get in

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TEMI {IAQ}

Empowered by Food Grade Disinfectant Misting Spray



A1 Grade Safe and High Efficiency Green Disinfectant



TEMI {IAQ} Standard Offers



A. TEMI {IAQ} Owned

- TEMI + Fogging Mister (300 ml/hr)
- 3L of UC Disinfectant (60 times tour spray per 2,000 sq.ft home)
- On-site setup, commissioning, and training service
- Online ordering of refills: 1L, 20L, 50L

B. TEMI {IAQ} Yearly Rental

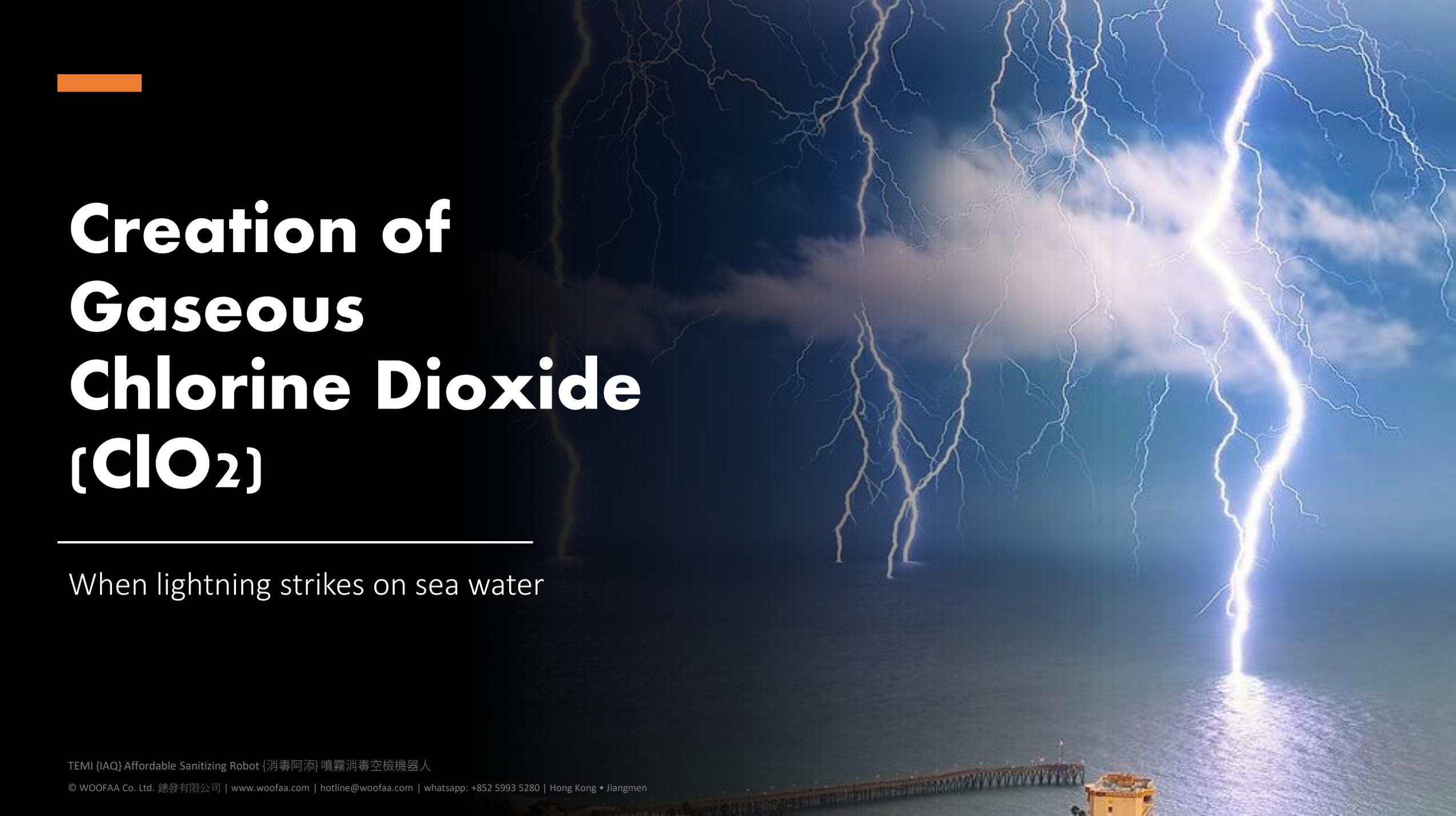
- TEMI {IAQ} resident
- Monthly on-site service with UC Disinfectant refill
- Use cases: school, hotel, church, banquet restaurant, shopping mall, call center, health center, elderly home...

C. TEMI {IAQ} Event Rental

- TEMI {IAQ} be hired per trip
- Fixed fee per each 2,000 sq.ft gross floor area and 10 ft floor height
- Use cases: event venue, new home, commercial unit...

Coming Soon~

TEMI {IAQ} Affordable Sanitizing Robot {消毒阿添} 噴霧消毒空檢機器人



Creation of Gaseous Chlorine Dioxide (ClO₂)

When lightning strikes on sea water



Creation of Gaseous Chlorine Dioxide (ClO₂)

With patented tech & appliances on salt water



Unique®
International Manufacturing
Technology Patent



UC Disinfectant Makes a Difference

A1 Grade Safe and High Efficiency Green Disinfectant

Odorless A1 Food Grade Disinfectant 世衛認可 食品安全A1級 消毒水

TEMI (IAQ) Affordable Sanitizing Robot (消毒阿添) 噴霧消毒空檢機器人

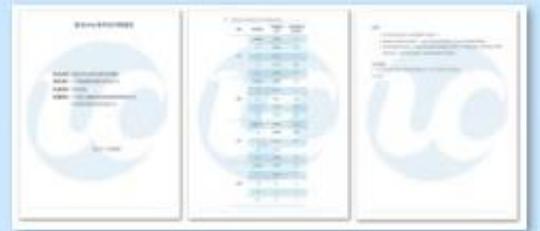
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Comparison table with commercial disinfectants on the market

Name	GAS-ClO ₂ aqueous solution	Chemical process ClO ₂	Formalin	Alcohol	Bleach	Hypochlorous acid water	Ozone
Constituents							
Raw material	Table salt, water	Sodium chlorite + hydrochloric acid	Methanol + formaldehyde	Industry generally uses starch fermentation process or ethylene hydration to obtain ethanol	NaClO	HCl Hydrogen gas	Air UV ray
Working Principle	Redox	Redox	Solidify protein in bacteria	Dehydration	Chlorination	Chlorination	Oxidation
Redox potential (only sterilizing when it is above 600mv)	High, above 1250mv	Medium, about 900mv	NA	NA	Low, about 400mv	Medium, about 800mv	High, above 1280mv
Sterilizing ability (compared at concentration less than 30ppm)	Safe, high efficiency and leave no residue. Kills 99.999% of bacteria	Normal Need longer time	Strong	Requires concentration above 70%. No effect for virus with envelope (such as stomach flu virus, influenza, norovirus and SARA)	Effective at 200-500ppm	Weak Need longer time	Strong
Toxicity	Causes no harm for multi-cell organisms such as plant and animals	Highly corrosive and leave hydrochloric acid remains. Chlorite cannot be touched with bare hands	Irritate eyes, skin and throat Harmful for human body	Irritate skin and is toxic for cells when used in excess Not suitable to spray in large quantity in enclosed space	Produce carcinogen easily and irritates skin, mucosa, respiratory tract. Toxic for cells when used in high concentration	Produce trihalomethane and is highly corrosive	High concentration contains carcinogens
Effective pH range	Wide range, strong effect	Useless under basic environment	No influence	No influence	Produce toxic gas when mixed with acidic cleaning agents	Useless under basic environment	No influence
Deodorizing effect	Strong	Weak	Weak	NA	NA	Weak	Strong
Toxin residue (second pollution)	No	Yes (chlorite, acidic compound)	Yes (formaldehyde)	Ethanol	Yes (trihalomethane carcinogen)	Yes (trihalomethane carcinogen)	Yes (carcinogen)
Duration of action	A few sec- a few min	A few sec- a few min	more than a few min	more than a few min	A few min = a few hours	more than a few min	A few sec- a few min
Practicality	Safe, convenient and serves multi-	Incomplete reaction, risk in production and requires time	Toxic when inhaled	Need to mix with 75% water and has safety concern as it is inflammabl	Need to be diluted with water when use. Undiluted bleach will give out toxic gas under sunlight and should keep out of sight of children	Low concentration, requires large amount to achieve same effect	Good activity, low stability

UC Disinfectant Makes a Difference

Gaseous Chlorine Dioxide has been classified by US EPA (List N) as a disinfectant for use against SARS-CoV-2.



GZ_Vitro_Antimicrobial_Test-1



SGS In Vitro Cytotoxicity Test-MTT Assay



Certificate Details



SGS Skin Sensitization Study - Maximization Test



SGS White Rabbit Ocular Irritation Test

體外抗菌能力合格 | 體內細胞毒性測試合格 (MTT Assay)
 皮膚敏感測試合格 (極大化法) | 眼睛刺激測試合格 | 口鼻腔吸入安全性測試合格
 飲用水溶液測試合格 | 口腔細胞毒性測試合格



TW_ChinaMedicalU_Inhalation_Test-1



TW_ChinaMedicalU_Inhalation_Test-2



TW_ChinaMedicalU_Subchronic_Oral_Toxicity_Test



TWU_Oral_Cytotoxicity_Test

Efficient use of UC Liquid for Large Scale Disinfection

Seasoned HVAC engineers in XASER & WOOFAA



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