



PureZone®

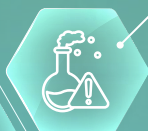
雙極離子空氣除臭淨化機

持續空間消臭殺菌 · 零臭氧排放
**CONTINUOUS SPACE DEODORISATION AND
STERILISATION WITH ZERO OZONE EMISSION**

有效消除氨氣
ELIMINATE
AMMONIA



有效消除硫化氫
ELIMINATE
HYDROGEN SULFIDE



有效消除病原體
ELIMINATE PATHOGEN



零臭氧排放
ZERO OZONE EMISSION



1. 數據由第三方實驗室在30立方米的測試室內以最大風量運行3小時進行量測並予以證實 (國家測試標準: JG/T 294-2010)

DATA MEASURED AND VERIFIED BY AN ACCREDITED THIRD-PARTY LABORATORY IN A 30M³ TEST CHAMBER OPERATING AT MAXIMUM AIRFLOW FOR 3 HOURS (TESTING STANDARD: JG/T 294-2010)

2. 數據由第三方實驗室在30立方米的測試室內以最大風量運行2小時進行量測並予以證實 (國家測試標準: GB 21551.3-2010附錄A)

DATA MEASURED AND VERIFIED BY AN ACCREDITED THIRD-PARTY LABORATORY IN A 30M³ TEST CHAMBER OPERATING AT MAXIMUM AIRFLOW FOR 2 HOURS (TESTING STANDARD: GB 21551.3-2010 APPENDIX A)

臭氧的危害

THE HAZARDS OF OZONE

根據WHO和FDA研究，臭氧（O₃）暴露引發呼吸道刺激、咳嗽、胸悶，甚至加重哮喘和慢性肺病，長期接觸更可能損害肺功能並增加心血管疾病風險。此外，臭氧會與皮膚油脂反應，產生自由基，導致皮膚屏障受損、加速老化，並引發炎症、乾燥和敏感問題，對濕疹或皮炎患者尤其不利。

WHO指出，臭氧濃度超過每立方米100微克時，便可能對敏感人群（如兒童、長者和呼吸系統疾病患者）造成不良影響³。FDA也強調，臭氧對人體無安全閾值，即任何濃度的臭氧都可能對健康造成危害，不存在絕對安全的暴露水平，應盡量避免接觸⁴。

PureZone® 採用多重淨化技術，確保空氣淨化過程中不釋放臭氧（O₃），以達至持續消臭滅菌的效能並支持24x7x365全天候安全使用，時刻守護空氣品質，讓您安心享受清新健康的每一天。

While ozone (O₃) protects our Earth from UV radiation in the atmosphere, ground-level ozone poses serious health risks. According to WHO and FDA studies, ozone exposure can cause respiratory irritation, coughing, chest tightness, and exacerbate asthma and chronic lung diseases. Prolonged exposure may impair lung function and increase cardiovascular risks. Additionally, ozone reacts with skin oils, generating free radicals that damage the skin barrier, accelerate aging, and cause inflammation, dryness, and sensitivity, particularly harmful to individuals with eczema or dermatitis.

WHO states that ozone concentrations exceeding 100 micrograms per cubic meter can adversely affect sensitive groups (e.g. children, elderly, and those with respiratory conditions)³. FDA emphasises that there is no safe threshold for ozone exposure, meaning any level of ozone can be harmful to health and thus, ozone exposure should be minimised⁴.

PureZone® combines the NTP technology with multi-filtering mechanism to ensure ZERO ozone (O₃) emissions during air purification without any secondary pollution. It consistently achieves continuous air deodorisation and pathogens elimination which supports 24x7x365 long-term use without any negative health impacts. It would be the perfect device for maintaining high air quality and providing peace of mind for a fresh and healthy environment for you.

參考資料 REFERENCE :

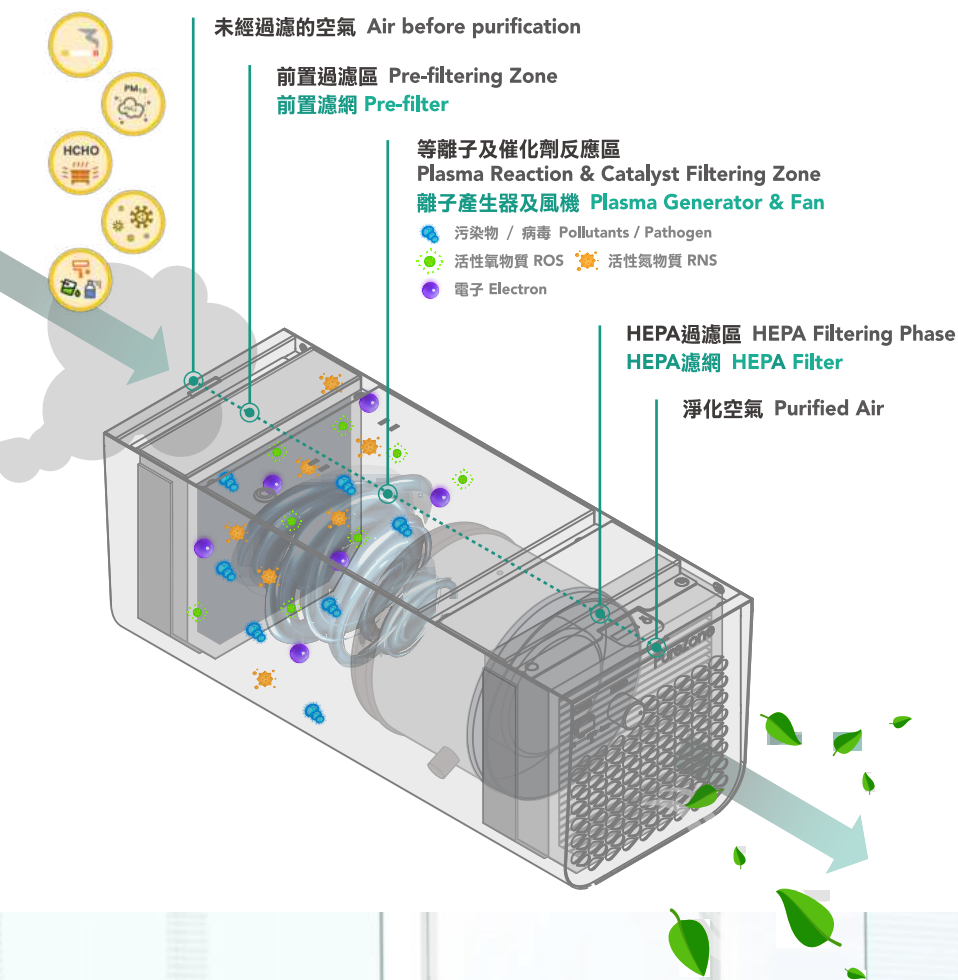
3. WORLD HEALTH ORGANISATION (WHO), (2005). AIR QUALITY GUIDELINES FOR PARTICULATE MATTER, OZONE, NITROGEN DIOXIDE AND SULFUR DIOXIDE.

4. U.S. FOOD AND DRUG ADMINISTRATION (FDA), (2021). OZONE: HEALTH HAZARDS AND SAFETY PRECAUTIONS.



01 持續消臭：消除異味分子及分解有害氣體

Continuous Deodorisation : Eliminate Odour Molecules and Sterilise Harmful Gases



非熱等離子體（NTP）技術：

使用 NTP 技術，產生活性氧物質（ROS）和活性氮物質（RNS），快速分解空氣中的有害氣體（如甲醛、氨氣、硫化氫等），並快速消除異味分子，確保室內空氣清新無害

Non-Thermal Plasma (NTP) Technology :

Utilises NTP technology to generate Reactive Oxygen Species (ROS) and Reactive Nitrogen Species (RNS), rapidly decomposing harmful gases (e.g., formaldehyde, ammonia, hydrogen sulfide) and neutralising odour molecules, ensuring fresh and harmless indoor air

多重淨化機制：

結合雙極離子、催化劑與高效濾網的協同作用，實現全方位空氣淨化，高效去除污染物質，提升室內空氣品質

Multi-Filtering Mechanism :

Combines bipolar ions, catalysts, and high efficiency filters for comprehensive air purification to effectively remove pollutants and enhance indoor air quality





02 無臭氧安全淨化 Ozone-Free Safe Purification

杜絕二次污染：

淨化過程完全在機器內部進行，過程中不排放臭氧；出風口設有高效HEPA濾網，防止排出灰塵，確保整個空氣淨化過程不會造成二次污染

No Secondary Pollution：

The purification process is entirely conducted within the reaction chamber, with no ozone is emitted during the process. The air outlet is equipped with a high efficiency HEPA filter, preventing the release of dust and ensuring that the entire air purification process does not cause secondary pollution

人機共存：

獨特的零臭氧排放設計適合24x7x365長時間使用，無論是住所、辦公室、還是公共場所，都能提供安全無害的空氣淨化解決方案

Human-Friendly：

The unique zero-ozone emission design is suitable for 24x7x365 long-term use. Whether in residences, offices, or public areas, it provides a safe and harmless air purification solution

03 高效除菌 High Efficiency Sterilization

分解病原體：

通過非熱等離子體技術產生的活性物質（ROS 和 RNS），迅速破壞病毒和細菌的蛋白質結構與基因組，使其失去活性，從而實現高效殺菌

Decomposition of Pathogens：

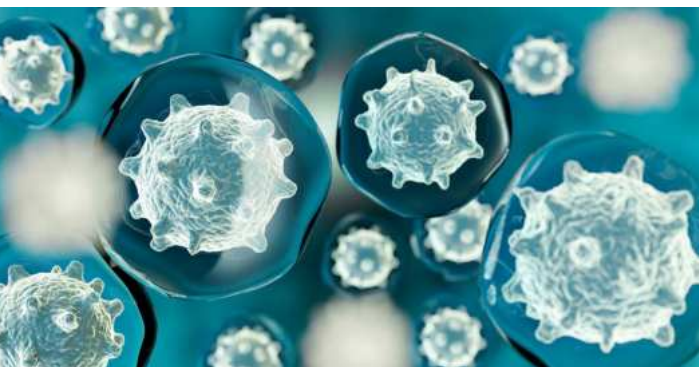
NTP technology generates reactive substances (ROS and RNS) that rapidly disrupt the protein structures and genomes of viruses and bacteria, rendering them inactive for effective elimination

殺菌效率：

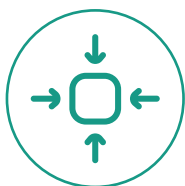
每小時可淨化高達 100 立方米的空氣，適用於各種室內環境；經第三方實驗室驗證可有效消滅99.99%大腸桿菌²，確保空氣潔淨無菌

Elimination Efficiency：

Capable of purifying up to 100 cubic meters of air per hour, suitable for all indoor environments. Verified by a third-party laboratory, it effectively eliminates 99.99% of E. coli², ensuring clean and safe indoor air quality



04 無憂體驗 Hassle Free Experience



體積小

掛牆式設計，不佔地面空間，適合空間有限的環境

Compact Design

Wall-mounted, space-saving, ideal for limited spaces



使用壽命長

離子產生器壽命長達數萬小時，性能更見穩定，更符合經濟及可持續效益

Long Lifespan

The ion generator has a lifespan of up to tens of thousands of hours, offering stable performance and greater economic and sustainability benefits



簡易維護

濾網更換方便，無需專業工具，耗材更換成本低，維護簡單高效

Easy Maintenance

Filter replacement is convenient with low consumable replacement costs to make maintenance simple and efficient



專業顧問

顧問實地協助客戶評估污染源頭，以專業儀器測量，制定準確解決方案

Professional Consultancy

Our consultants provide on-site service to clients in assessing pollution sources, adopt professional instruments for measurement and develop accurate solutions

應用場景

APPLICATION



01 異味投訴黑點

Odour Complaint Hotspot



洗手間
Washroom



後樓梯
Stairwells



吸煙房
Smoking Room



垃圾房
Refuse Room



停車場
Car Park



02 守護健康場所

Health-Guard Facilities



學校
Educational
Institutions



院舍
Nursing
Homes



獸醫診所
Veterinary
Clinic



醫院
Hospital



健身室
Gym Room



辦公室
Office



診所
Clinic



03 維護衛生形象

Sanitary Image Preservation



升降機
Elevator



客戶服務中心
Customer Center



餐廳及廳面
Restaurant &
Dining Area



大堂
Lobby



會所
Clubhouse



娛樂場所
Karaoke Box

技術規格 Technical Data

尺寸 Dimensions 435 (W) x 165 (H) x 168 (D) mm

重量 Weight 6.2 kg

電線長 Cable Length 1.3 m

功耗 Power Consumption 38 W

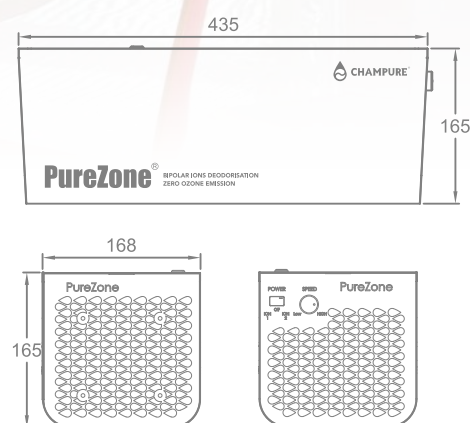
材料 Material 不鏽鋼 Stainless steel

電輸入 Power Input 220V AC

工作溫度 Operating Temperature -10°C - 40°C

濾網 Filters 初效及HEPA濾網 Pre-filter and HEPA Filter

等離子 Plasma 非熱等離子體 Non-Thermal Plasma



我創造 · 我重視
We Make · We Care

CHAMPION GROUP
卓匯集團

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