



Mist Pure AirPro

全域除臭除味淨化機

有效去除 99.9% 病毒與致病細菌
空氣消毒 | 消除異味 | 恢復清新

Model: AP-AAOP-01

圖片僅供參考。
由於產品改進，實際產品可能有所不同。

Powered by AAOP



雙模式
專業消毒



170兆
強力淨化



安全
無化學殘留



異味
快速分解



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Mist Pure AirPro - 專業級羟基空氣淨化系統，專為商業及高流量場所設計，採用專利 **AAOP (Air Advanced Oxidation Processor)** 技術，每秒產生 1,700 億億個羟基自由基 ($OH\cdot$)，能高效分解空氣中的細菌、病毒、霉菌、異味、甲醛、**VOCs**、過敏原等污染物，分解後僅生成水 (H_2O) 與二氧化碳 (CO_2)，無二次污染。

Mist Pure AirPro - A professional-grade hydroxyl air purification system designed for commercial and high-traffic environments. It uses **patented AAOP (Air Advanced Oxidation Processor) technology** to generate 170 trillion hydroxyl radicals ($OH\cdot$) per second, **effectively breaking down airborne bacteria, viruses, mold, odors, formaldehyde, VOCs, allergens, and other pollutants**. After decomposition, only water (H_2O) and carbon dioxide (CO_2) remain, ensuring zero secondary pollution.



產品優勢

- 安全且天然的空氣消毒
- 異味分解
- 環保無化學成分、節能高效
- 無二次污染

Benefits

- **Safe & Natural Air Disinfection**
- **Odor Decomposition**
- **Eco-Friendly: Chemical-Free & Energy-Efficient**
- **No Secondary Pollution**



Mist Pure AirPro - 酒店空氣淨化的專業之選

The Professional Choice for Hotel Air Purification

酒店環境多樣且複雜，從廚房、餐廳到客房、會議空間與洗手間，都需要維持高品質的空氣。**Mist Pure AirPro** 具備高度靈活性，能滿足這些不同空間的獨特需求，確保每位住客始終享有最高等級的空氣品質。

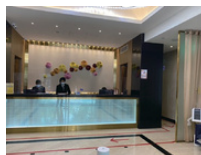
Hotels have diverse spaces that all require high air quality. AirPro adapts to each area's needs, ensuring guests consistently enjoy clean, fresh, and healthy air.



餐廳
Restaurants



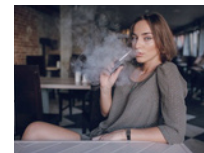
廚房
Kitchen



接待區
Reception Area



會議室
Meeting Room



吸煙區
Smoking Area



客房
Guest Room



洗手間
Toilet



垃圾房
Hotel Waste Area

成功案例 Job Reference

本系統廣泛應用於商用廚房、垃圾房及洗手間，有效分解油煙與異味、抑制細菌病毒滋生，同時改善空氣品質並維持環境清新衛生。
Used in kitchens, waste areas, and restrooms to reduce odors, control microbes, and enhance air freshness and hygiene.





高效分解異味、甲醛、細菌、污染物

Effectively decomposes odors, formaldehyde, bacteria, and various airborne pollutants.

系統先從空氣濕度中冷凝回收純水，經電解產生活性氧，再透過 TiO_2 催化與熱活化處理，瞬間釋放大量羥基自由基 ($OH\cdot$)。每秒產生 1,700 億億個羥基自由基 ($OH\cdot$)，能高效分解空氣中的細菌、病毒、霉菌、異味、甲醛、VOCs、過敏原等污染物，分解後僅生成水 (H_2O) 與二氧化碳 (CO_2)，無二次污染。

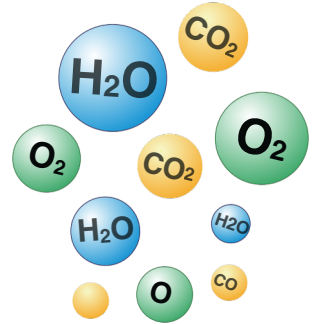
The system converts condensed moisture into active oxygen and, through TiO_2 thermal catalysis, releases hydroxyl radicals that break down bacteria, viruses, odors, VOCs, and formaldehyde, producing only water and CO_2 with no secondary pollution.

安全可靠

- 階段 1: 氫氧自由基接觸污染物與異味
- 階段 2: 氫氧自由基使污染物蛋白質變性
- 階段 3: 污染物被抑制

Assured Safety

- Phase 1: Hydroxyl radicals reaches pollutant, odor
- Phase 2: Hydroxyl radicals denature pollutant proteins
- Phase 3: Pollutant is inhibited



輕鬆切換雙模式

Easy Dual-Mode Switching

只需按一下按鈕，即可在氫氧自由基與臭氧輸出之間切換！

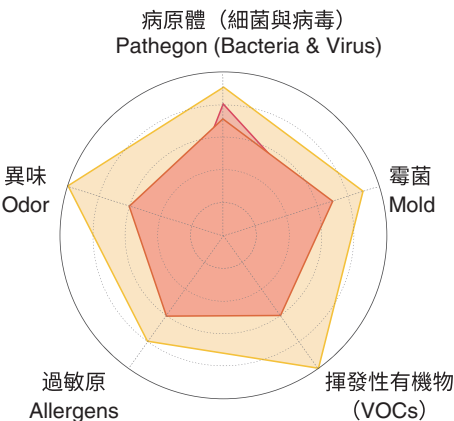
Just one simple button to switch between Hydroxyl Radicals and Ozone for output!

- OH 自由基模式：自然、安全，適合長時間有人環境
- O_3 臭氧模式：強力殺菌除臭（最高 200 mg/h），適合無人時深度處理



消毒效能比較：AAOP ($OH\cdot$ 模式) vs. 離子技術與紫外線燈

Disinfection Performance Comparison: AAOP ($OH\cdot$ Mode) vs. Ionization and UV Lamp



— Mist Pure Pro
— 離子技術 Ionization
— 紫外線燈 UV Lamp



測試驗證

Proven by Relevant Testing

HAS Pro Disinfection Analysis and Test Result

Test organism	Test time	Test result	Reduction rate (%)
Staphylococcus aureus	1h	1.1 × 10 ⁷	99.99%
	2h	1.1 × 10 ⁶	99.99%
	3h	1.1 × 10 ⁵	99.99%
E. coli	1h	1.1 × 10 ⁷	99.99%
	2h	1.1 × 10 ⁶	99.99%
	3h	1.1 × 10 ⁵	99.99%

>99.9%
Removal of Bacteria by AAOP $OH\cdot$

HAS Series Formaldehyde Removal Test Result

Test item	Elapsed Time (min)	Concentration (ppm)	Natural Attenuation Rate (%)	Concentration (ppm)	Elimination Rate (%)
Formaldehyde	0	10.0	—	10.0	—
	8	0.5	5.00	<0.1	>98.0

99.99%
Removal of Bacteria by Ozone

HAS Series Influenza A virus H1N1 Disinfection Test Result

Test item	Control group before the test	Control group after the test	Test group before the test	Test group after the test	Disinfection rate (%)
Influenza A virus H1N1	1.1 × 10 ⁷	1.1 × 10 ⁷	1.1 × 10 ⁷	1.1 × 10 ⁵	99.99%
	1.1 × 10 ⁷	1.1 × 10 ⁷	1.1 × 10 ⁷	1.1 × 10 ⁵	99.99%

>99%
Removal of Influenza A virus H1N1

HAS Series COVID Decrease Test Result

Test item	Control group before the test	Control group after the test	Test group before the test	Test group after the test	Disinfection rate (%)
SARS-CoV-2	1.1 × 10 ⁷	1.1 × 10 ⁷	1.1 × 10 ⁷	1.1 × 10 ⁵	99.99%
	1.1 × 10 ⁷	1.1 × 10 ⁷	1.1 × 10 ⁷	1.1 × 10 ⁵	99.99%

99.998%
SARS-CoV-2 Decrease Rate



產品規格 Specification



技術資料 Technical Data	型號 Model No.	AP-AAOP-01		
	羥基自由基 (OH·) 產生量 Hydroxyl Radicals (OH·) Production	1.7 x 1014 OH· per second*		
	尺寸 Dimensions (W x D x H)	294 x 357 x 351 mm (11.5"x14"x13.8")		
	淨重 Weight (Net)	11 kg (24.3 lbs)		
	風速 (3 段設定) Fan Speed (3 Settings)	Setting 1	Setting 2	Setting 3
		100 m3/h	200 m3/h	400 m3/h
		60 cfm	120 cfm	240 cfm
	建議處理範圍 (預設樓層高度: 2.7 公尺) Recommended Treatment Coverage (Default floor height: 2.7m)	100 m3	200 m3	400 m3
		3530 ft3	7060 ft3	14125 ft3
		40 sqm	80 sqm	160 sqm
		397 sq.ft.	795 sq.ft.	1590 sq.ft.
	噪音值 Noise Level	≤ 40dB	≤ 50dB	≤ 65 dB
	電源需求 Power Requirements	AC 100 - 240V, 50/60Hz		
	耗電量 Power Consumption	130 W (max)		
耗材 Consumables	操作條件 Operating Requirements	-Water: Deionized, conductivity < 5 µm/cm or TDS < 20 ppm -Ambient Temperature: 1°C - 40°C (34°F - 104°F) -Humidity: > 45%RH		
	防護等級 Protection	IPX2		
	符合標準 Conformity	CE		
		1-year: EOG cell EA200, DI resin tank, Intake air duct cleaner (optional). 3-year: Water condenser, Pure water tank, System fan, Pure water tank cooling fan		

Note:

*Testing Method] Using the core structure of BioSure Professional HAS Pro (EOS7192), the Electron Paramagnetic Resonance (EPR) technique was applied to measure the generation rate of hydroxyl radicals (OH·), expressed in units of pcs per second.

With AAOP off, the system provides ozone output up to 200 mg/h.



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