

## 產品規格

品牌	innoclean - 澳洲商標
產品名稱	等離子塔
型號	PT888W2UV
代碼	G20
放置方式	易於移動、掛牆及座枱
適用面積	100 - 500 平方呎
過濾方式	
HEPA 高密度式過濾網	1 pcs
等離子管	2 pcs
UV 紫外光燈	2 pcs
光催化	專為過濾化學氣體和臭氧而設
等離子量	> 8,000,000 ions/cm <sup>3</sup> ± 10%
PCO TiO <sub>2</sub> 塗層	塗層於機內
臭氧釋出	< 0.05ppm / 50ppb (世界衛生組織標準)
電壓	12V
功率	20W
重量	1.8 kg
尺寸	380mm x 120mm x 160mm (長 x 闊 x 高)
適用的環境溫度	-10 ~ +50 °C
適用的環境濕度	< 70%
LED 指示燈	有 (在機頂位置)
遙控器	有
生產地	中國



以上規格如有修改，恕不另行通知。  
更多詳情：www.hkcapc.org



每台空氣淨化器均配備火牛、電源線及遙控器



## 應用

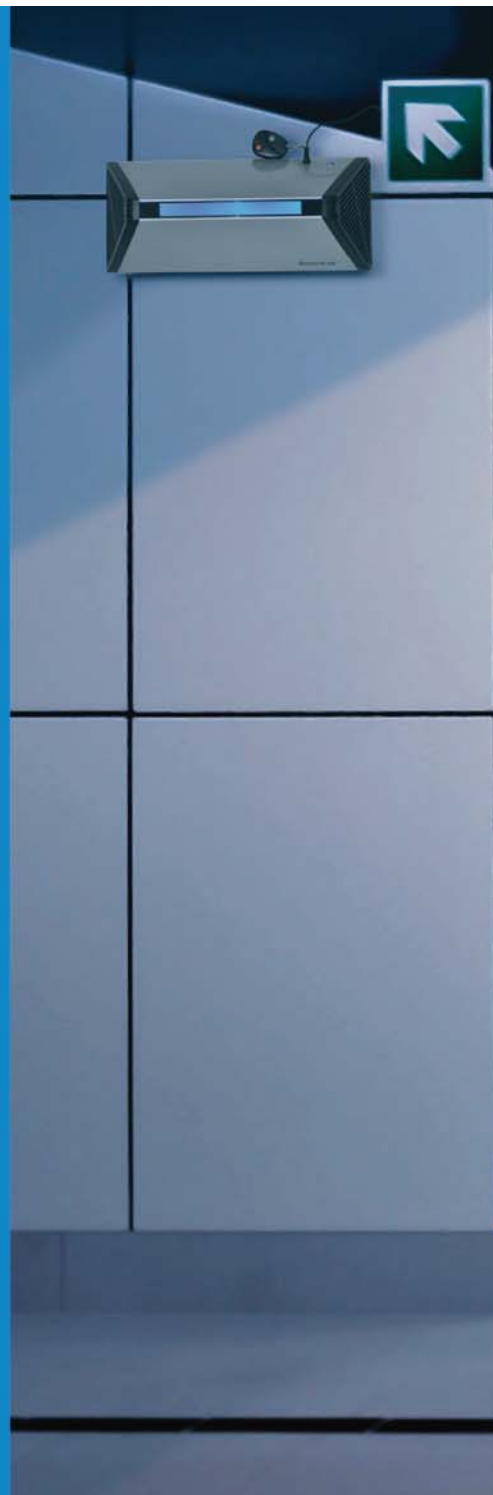
辦公室、課室、餐廳、廚房、客廳、日間托兒中心、幼稚園、長者中心、宿舍、接待處、會議室、酒店房間、電梯、工廠、垃圾站、環保回收、電梯大堂、酒吧和廁所等。



## innoclean 提供不同的 室內空氣質素 改善解決方案

一直秉承“創新設計 務實研發”的精神，致力於不斷研究及生產適用於改善不同室內空氣問題，務求讓大家享受健康的空氣。

innoclean™



讓我們享受  
健康的空氣

三合一 HEPA 高密度式 過濾網 +  
光等離子 (光催化)  
+ 雙極等離子空氣淨化器

innoclean™

**HKAPC**  
香港空氣淨化器中心



商界服務  
caring company



Tel: (852) 34210167 | Fax: (852) 30054302 | Email: info@hkcapc.org | www.hkcapc.org

PT888W2-UV



## 清除厭惡的氣味、煙味、甲醛、塵及有害氣體 讓您重投健康空氣的懷抱

室內空氣污染是一個很重要的公共衛生及健康的危機，它會影響社會、經濟和醫療等。如果我們長時間處於一個高度污染的環境中生活、工作及學習，將會嚴重危害到我們的健康。遺憾的是室內空氣質素往往容易被人忽略。

以我們每天都會使用的電梯、廁所和大堂等都隱藏著許多看不見的污染物，包括氣味、灰塵、致敏原及細菌等，全部都會嚴重危害到我們的健康。



### 特點

- 全面提升室內空氣質素，有效解決四大空氣污染（微粒、細菌病毒、化學物質及氣味）。innoclean PT888W2UV 顛覆傳統，設計出市場獨有的，同時採用主動及被動的空氣淨化模式，內置五重過濾。
- 打破傳統，市場獨有的設計，同時採用主動及被動的空氣淨化模式，內置五重過濾，增加淨化的滲透性，仍能保持體積細小，減少佔用空間，易於擺放。
- 力臻完美，利用光等離子配合雙極等離子，提高淨化效能及穩定性。
- 簡單清晰的運作指示燈，在這處也可看到是否淨化器運行中。
- 靈活擺放 - 既可座枱，又可掛牆（客戶可自行選擇以橫向或直向掛牆）。
- 容易安裝及節省成本，無需要花費金錢來添置任何額外配件，輕鬆安裝在牆上。
- 易於使用 - 只需使用遙控器來開關。
- 機身採用金屬外殼，堅固耐用。
- 貼心設計 - 遙控器採用鑰匙鏈的設計，避免遺失。

## innoclean PT888W2UV 的淨化原理

為了全面提升室內空氣質素，有效解決四大空氣污染（微粒、細菌病毒、化學物質及氣味）。innoclean PT888W2UV 顛覆傳統，設計出市場獨有的，同時採用主動及被動的空氣淨化模式，內置五重過濾。

**HEPA 高密度式過濾網**  
多年來，HEPA高密度式過濾網已被廣泛應用於醫療及家用的空氣淨化設備，有效攔截空氣中的懸浮粒子，最常見的莫過於令我們很困擾的灰塵，令鼻敏感及敏感人士煩惱的塵蟎、花粉及致敏原。

**UV 紫外光**  
以紫外光來殺滅細菌，其應用範圍廣泛，不論是內置於空氣淨化機內、獨立式的紫外光殺菌燈或安裝於中央冷氣系統內，其效能是以紫外線的強度來評估。



**光催化 (PCO)** 透過如紫外光的能量激活催化劑 (TiO<sub>2</sub>)，從而產生光催化來分解揮發性有機化合物 (VOC)、臭氧、細菌、黴菌和真菌等，從而將其分子結構分解為無害物質如二氧化碳 (CO<sub>2</sub>) 和水 (H<sub>2</sub>O)。在光催化過程中會釋出三種特定的自由基，其破壞生物氣溶膠（細菌、黴菌和真菌）。過程中，過氧化氫、羥基自由基和氫氧化合物被釋放回到它們自身依附物體並殺死。

### 光等離子



透過特定波段的紫外光照射空氣中自然存在的分子如氧氣和水蒸氣等，產生獨特的光等離子包括各種活性氧粒子、自由基和電子等。光等離子主動殺滅空氣中的有害微生物如細菌、病毒、黴菌、真菌等有害微生物，從而在源頭處理，預防由這些有害微生物引起的疾病。當光等離子接觸空氣中有害氣體如揮發性有機化合物、甲醛、苯、氫氣及硫化氫等，通過一連串的化學反應，快速地破壞其化學結構，將其分解，最終轉化成二氧化碳及水分子等無害物質，而殺滅微生物及分解化學物後，有助於去除由微生物、化學物、煙草、油煙及垃圾等所產生的異味。

### 雙極等離子



在自然界中，以不同尺寸存在的離子是包含電荷的分子或原子。在離開電荷之前，小離子只能持續30到300秒，但它們非常活躍。在理想的“新鮮空氣”環境中，如山頂，小離子密度範圍為900至1,100個負離子和1,000至1,200個正離子/立方厘米（離子/cm<sup>3</sup>）。惟在城市和建築物內部，離子水平下降80%至95%，在狹小空間內幾乎檢測不到。隨著離子密度的降低，相應的空氣質量也會降低。採用雙極等離子技術來增加帶電離子的量，空氣質量提高到“新鮮空氣”水平，從而達到富氧環境。

此外，等離子有效殺死細菌病毒、化解化學物如甲醛、TVOC及去除異味。

測試結果 運作一小時後 (%)
甲醛
91%
揮發性有機化合物
92%
空氣中的細菌
98%
空氣中的黴菌
91%
表面的細菌
95%
一般氣味
93.3%
硫化氫
93.3%
煙霧微粒
94%

## Technical data

Brand	innoclean - Trademarked in Australia
Product name	Plasma Ion Tower
Model	PT888W2UV
Code no.	G20
Placement	Portable, Wall Mounted, Table Stand anywhere in a room / office
Coverage area	100 – 500 ft <sup>2</sup>
<b>Purification process by</b>	
HEPA filter	1 pcs
Ionization tube	2 pcs
UV	2 pcs
Catalytic	Long life designed for chemical and ozone removal
Ions Generation	> 8,000,000 ions/cm <sup>3</sup> ± 10%
PCO TiO <sub>2</sub> Coating	Inside on machine wall
Ozone output	< 0.05ppm / 50ppb (World Health Organization Standard)
Voltage	12V
Power	20W
Weight	1.8 kg
Dimension	380mm x 120mm x 160mm (L x W x H)
Operating temp	-10 ~ +50 °C
Operating humidity	< 70% RH
LED Indication Lamp Bar	Yes (on machine front cover side)
Remote Control	Yes
Made in	China



## innoclean offers diversity solutions for indoor air quality

In the spirit of "low-call, pragmatic research and development", we continuously develop and introduce various types of air purification equipment to effectively improve different indoor air problems.

The above specification may subject to be changed without previous notice.  
For more detail: [www.hkcapc.org](http://www.hkcapc.org)



Each air purifier is equipped with an AC adapter, power cord and remote control



## Applications

Offices, classrooms, restaurants, kitchen, living room, day care centers, bedrooms, reception hall, conference rooms, hotel room, studios, refuse collection plant, lift lobby, bar and toilet etc.

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Awarded by The Hong Kong Council of Social Service  
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**innoclean™**



**innoclean™**

Let's enjoy  
healthy air

3 in 1 HEPA Filter +  
PhotoPlasma (Catalytic Oxidation)  
+ Bi-polar Plasma Ionization Unit

PT888W2-UV



data shows everything  
measurement result  
removal rate at 1 hour (%)

HCHO  
**91%**

TVOC  
**92%**

Airborne Bacteria  
**98%**

Airborne Mould  
**91%**

Surface Bacteria  
**95%**

General Odor  
**93.3%**

Hydrogen Sulfide  
**93.3%**

Cigarette smoke particulates  
**94%**

## To refresh air, *eliminate* annoying odor, smoke, TVOC, fine dust and formaldehyde, etc.

Indoor air pollution is an important public health issue. It affects social, economic and medical, etc. If we stay in a high concentration environment for a long time living / working / reading, it will seriously harm our health. Unfortunately, indoor air quality is often overlooked.

For example, the lifts, toilets and elevator lobby that we use every day hide a lot of invisible pollutants including odor, airborne and bacteria. These pollutants are harmful our health. How can we turn a blind eye and continue to let these pollutions endanger our health.



## Features

- Comprehensively improve indoor air quality to effectively address four major air pollutions (particles, bacterial viruses, chemicals and odors)
- Breaking the tradition, the unique design of the market, adopting active and passive air purification mode, built-in five-fold filtration, increasing the permeability of purification, till keeping the volume small, reducing the space occupied, easy to place
- Pursuing perfection, using photo plasma with bipolar plasma to improve purification efficiency and more stability
- Simple and clear operation indicator, you can also see if the purifier is running in the distance
- Flexible placement - free-standing / wall mount (horizontal or straight wall)
- Easy to install and save costs, no need to spend money to buy any extra accessories and easily install on the wall
- Easy to use - just use the remote control to turn on / off
- The body is made of metal and is durable
- Special design - remote control with key chain - avoid loss

## What is the innoclean *PT888W2UV's* principle?

Aim at comprehensively improve indoor air quality, innoclean PT888W2UV is effective to solve the four major air pollution (particles, bacterial viruses, chemicals and odors). Subverting the tradition, designing the market unique, while adopting active and passive air purification mode, built-in five-fold filtering.

### HEPA filter

HEPA filters have been widely used in medical and domestic air purifier to effectively intercept suspended particles in the air. The most common is dust, mites, pollen and allergens are very troublesome for us, especially nasal sensitivity and sensitive people.

### Ultraviolet Lamp

The use of ultraviolet light to kill bacteria has a wide range of applications. The power is evaluated by UV intensity.

### Photo catalytic

Photo Catalytic Oxidation (PCO) is an advanced process by which volatile organic compounds (VOC's), bacteria, mold and fungus are destroyed by incorporating

photon and ultraviolet (UV) energy activating a catalyst (TiO<sub>2</sub>) creating photo catalytic oxidation. During process, three specific free radicals are released which destroy the bio-aerosols (bacteria, molds and fungus). During the process, hydrogen peroxide, hydroxyl radicals and hydroxides are released back into the area where they attach themselves to specific organisms and kill them.

### PhotoPlasma



Ultraviolet light in a specific wavelength band illuminates naturally occurring molecules such as oxygen and water vapor in the air to produce unique PhotoPlasma including various reactive oxygen species, free radicals and electrons. PhotoPlasma actively kills harmful microorganisms such as bacteria, viruses, molds, fungi and other harmful microorganisms in the air, thereby treating them at the source and preventing diseases caused by these harmful microorganisms. As for harmful gases such as volatile organic compounds, formaldehyde, benzene, ammonia and hydrogen sulfide in the air, it rapidly destroys its chemical structure through a series of chemi-

cal reactions, decomposes it, and finally converts it into carbon dioxide and water molecules. It removes odors caused by microorganisms, chemicals, smoke and garbage.

### Bipolar plasma



In nature, ions exist in different sizes are molecules or atoms that contain electric charges. Small ions last only 30 to 300 seconds before leaving the charge, but they are very active. In an ideal "fresh air" environment, such as a mountaintop, the small ion density ranges from 900 to 1,100 negative ions and 1,000 to 1,200 positive ions per cubic centimeter (ion/cm<sup>3</sup>). However, within cities and buildings, the level of ions drops by 80% to 95%, which is barely detectable in tight spaces. As the ion density decreases, the corresponding air quality also decreases. Bipolar plasma technology is used to increase the amount of charged oxygen ions, and the air quality is increased to the level of "fresh air" to achieve an oxygen-rich environment. Also the plasma ion effectively kills bacterial viruses, decomposes chemicals such as formaldehyde, TVOC, and removes odors.