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SANITARY WARE SPECIFICATION SHEET

Item Descriptions Model Dimensions Material Manufacturer Source Contact Tel/Fax E-mail Website	BioZone "AirCare" air purifier for disinfects ventilation system AC-10 / AC-20 / AC-30 L401 x W131 x H91 mm Chrome Plated BioZone Scientific International Ka Shing Enterprises (H.K.) Limited Mr. Ivan Lau / Mr. Gilman Yuen (852) 2628-0661 / (852) 2490-2700 project@kashingehk.com www.kashingehk.com	Illustration/ Drawing 																								
Function of air purifier (陽光通系列空氣淨化器功能) Purifies with quintuple actions 五種淨化功能 Destroys odor, bacteria, viruses, mold, fumes and other airborne impurities 消除臭味、細菌、病毒、霉菌、煙汽及其它飄浮雜質 Advantages of air purifier (陽光通系列空氣淨化器優點) Improve indoor air quality 改善室內空氣的質量 Safer working and public environments 更加安全的工作及公眾環境 Customers and staff satisfactions 顧客及員工稱心滿意 Effective and advanced 有效及先進 BioZone Technologies (技術內容) Photo Catalytic Oxidation process destroys VOC's catalytically on special surface material 紫外線光觸媒用科學催化作用消滅吹過特殊物料上的揮發性有機化合物(VOC) Photoplasma eliminates the reproductive capability of micro-organisms and reduces their number 光離子簇破壞微生物的再生能力，大大減少它們的數量 Deep UV Light inside the machine sterilizes micro-organisms that pass through 深頻紫外線清理經過設備內的微生物 Negative Ions decrease the total concentration of harmful chemicals and dilute the presence of positive ions in the air to produce a freshness feeling 負離子減輕有害化學物質的濃度，也沖淡正離子的數目來產生一種清新的感覺 Ozone obliterates bacteria, viruses, fungi, and remove odor from the air 臭氧消滅細菌、病毒、真菌、消除空氣中的臭味																										
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Note: Installation at public areas, such as toilet, lift lobby, etc AC-05 for disabled toilet, AC-10 for less than 3 cubicles, AC-20 for 4-6 cubicles, AC30 for 7-10 cubicles.

* All information of the above is for the reference only. No prior notice is made if any changes.

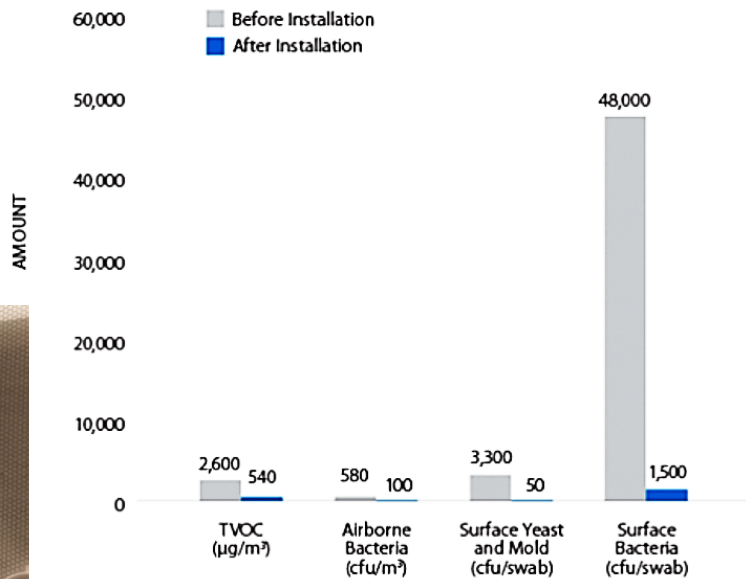
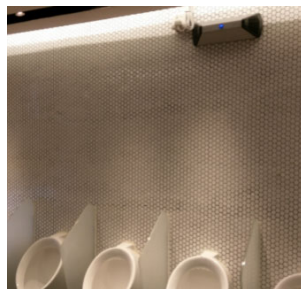


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Case Study

The washroom in a fast food restaurant was emitting a highly unpleasant odor which was giving customers a bad impression. BioZone® devices were therefore installed, which resulted in major improvements to the level of bad smells and bacteria present, and notably a 97% decrease in surface bacteria.



Dublin Test* 都柏林測試* :

70% bacteria reduction in a real environment
在實際環境下減少 70% 細菌



Agar plates incubated at 37°C for 48 hours for air samples taken in a sealed room (Series 1): sample taken (a) before BioZone treatment; (b) after BioZone treatment.

在密封的房間、室溫在攝氏 37 度、用培養皿培養細菌 48 小時的測試結果：
樣本 (a) 採用 BioZone 淨化器前；
(b) 採用 BioZone 淨化器後。

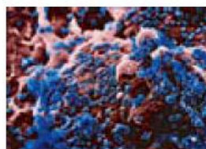


* Ref no: V0273
School of Biomolecular and Biomedical Science, University College Dublin, Belfield, Dublin 4, Ireland.
*都柏林大學測試報告

CNRS H5N1 Testing: 法國國家科學研究中心H5N1測試:

Ref. DE082_2007 By CNRS
測試報告編號 DE082_2007

Reduction of virus up to 99.9998% in less than 0.44 seconds.
0.44秒內，病毒減低率達 99.9998%。



Eliminate up to:

99.48%

Airborne Bacteria

99.99%

Surface Bacteria

95.13%

TVOCs

100%

Formaldehyde

* Samples and tests were taken by third-party accredited laboratories.

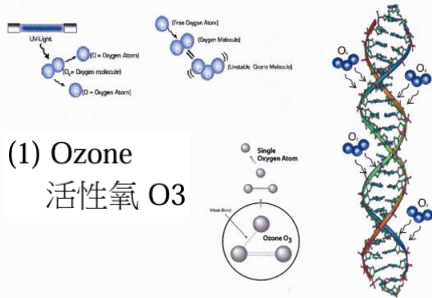
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Ozone is a strong oxidizing agent that effectively kills germs, virus and moulds as living organisms. It also remove chemical gases, VOC's and odors from air stream



(1) Ozone
活性氧 O3

Kill all virus and bacteria

(2) Deep UV
深頻紫外線

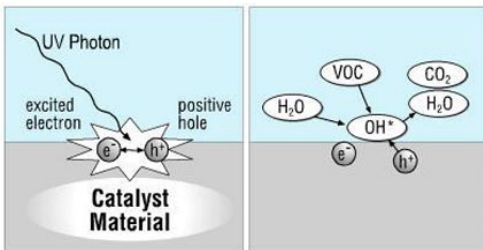
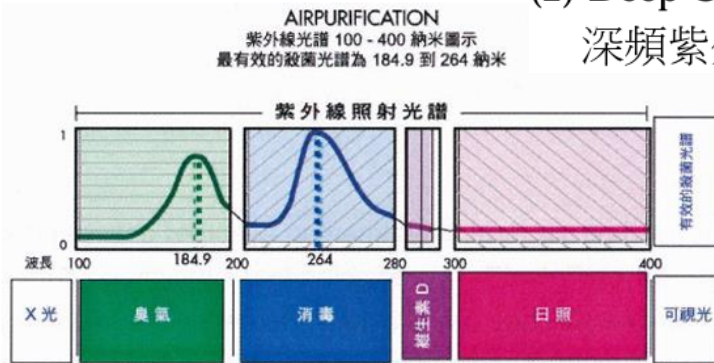
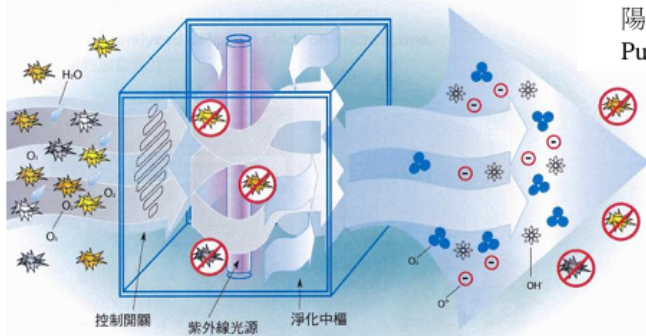


Photo Catalytic Oxidation (PCO) process destroys VOC's catalytically on special surface material
Functions: Kill germs & smell

(3) PhotoCatalytic
Oxidation
光觸媒

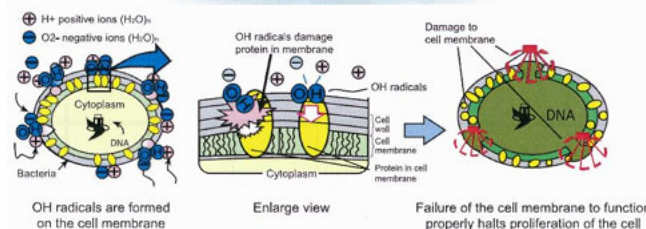
技術原理

I 光化學 II 光催化氧化 III 光電離子



(4a) BioZone Scientific's PureWave
陽光科技獨有之 PureWave 過程

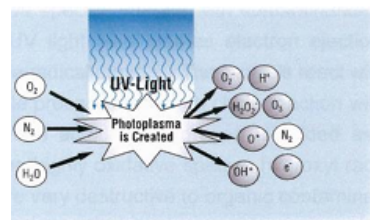
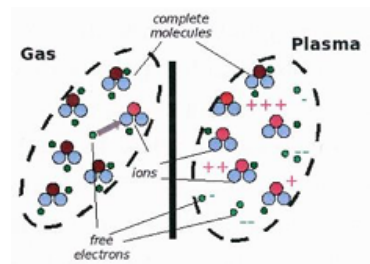
Process removes contaminants from air and surfaces by combining two very powerful purifying technologies- PhotoPlasma and PhotoChemistry. The synergy of their interaction produces a unique and a superlative way of cleaning air and surfaces of contaminants



(4b) Reduction of biological contaminants by Photo Plasma
光等離子的抑菌原理

The highly oxidative species hydroxyl radicals are ver destructive to organic contaminants because they steal hydrogen atoms from the organic materials, leaving decaying carbon ions. This entire process turns into a chain reaction the breakdown and formation of new hydroxyl radicals results in the continual decay of organic material

(4c) BioZone Irradiation Plasma
光等離子簇



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