



Acme Sanitary Ware Co Ltd

Acme Building, 22-28 Nanking Street, Kowloon, Hong Kong
Tel: 2388 7171 Fax: 2710 8012
E-mail: acme@acmesanitary.com.hk
Website: www.acmesanitaryware.com.hk

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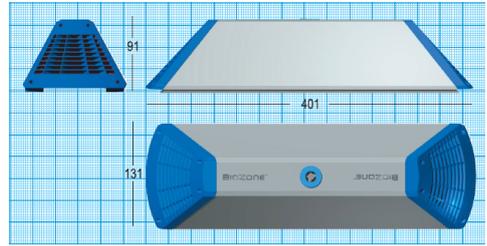
SANITARY WARE SPECIFICATION SHEET

Item Descriptions	BioZone "AirCare" air purifier for disinfects ventilation system	  
Dimensions	L401 x W131 x H91 mm	
Model	AC-10 / AC-20 / AC-30	
Finish	Chrome Plated	
Manufacturer	BioZone Scientific International	
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen	
Contact Tel/Fax E-mail Website	(852) 2388-7171 / (852) 2710-8012 acme@acmesanitary.com.hk www.acmesanitary.com.hk	

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



Model No. 型號	AC-10	AC-20	AC-30
Dimension 體積 (mm)	401(L)x131(W)x91(H)		
Net Weight 重量 (gm)	1130	1155	1180
Power Input 電源輸入	12VDC		
Power Adaptor 變壓器	100-240V~50-60Hz		
Limited Warranty 保養期	One Year 一年		

Note: **SIZING INFORMATION**
-specified by volume or odor sources-
AC-05: 5-10m²
AC-10: 10-20m²
AC-20: 20-30m²
AC-30: 30-50m²
-high trafficed areas may require a larger model-
-large areas may require multiple units-

Information extracted from the following web:
<http://www.biozonescientific.com.au>

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, AC-30 for 7-10 cubicles.

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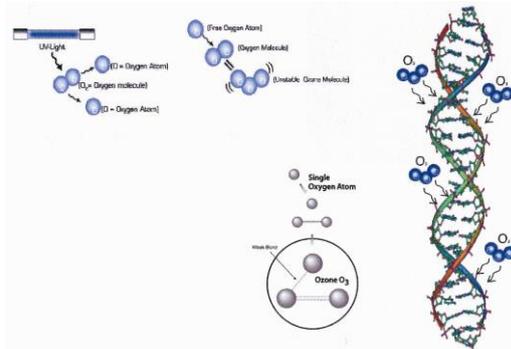
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SANITARY WARE SPECIFICATION SHEET

Advanced Technologies

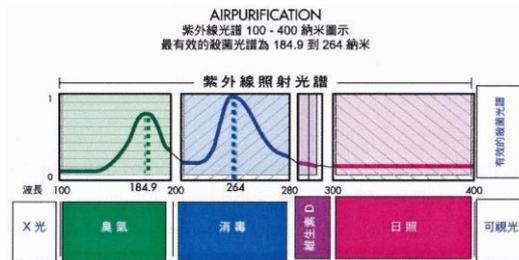
(1) Ozone 活性氧 O₃

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



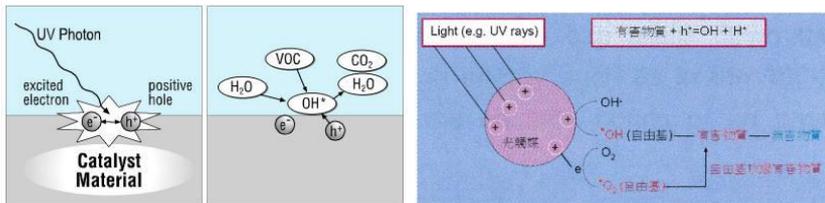
(2) Deep UV 深頻紫外線

Kill all virus and bacteria



(3) PhotoCatalytic Oxidation 光觸媒

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



Testing Result

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%。



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

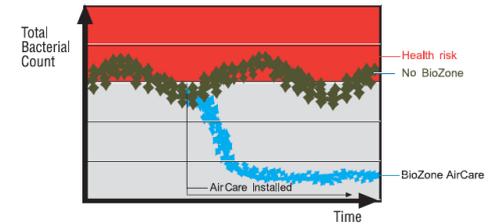


* Ref no. V0273
 School of Biomolecular
 and Biomedical Science,
 University College Dublin,
 Belfield, Dublin 4, Ireland.
 *都柏林大學測試
 報告

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。

Figure 1.



Note:

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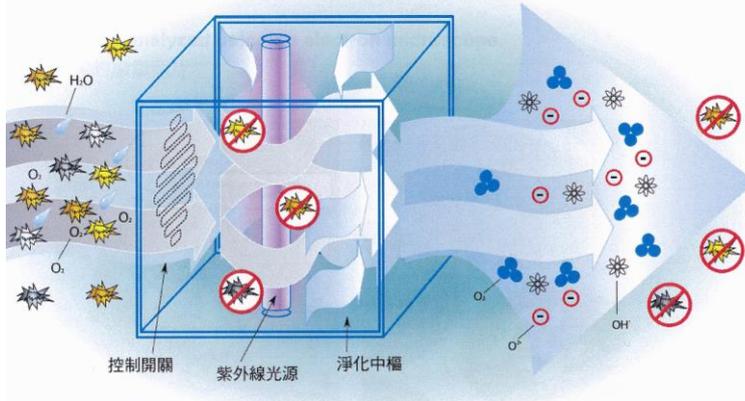
Advanced Technologies

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

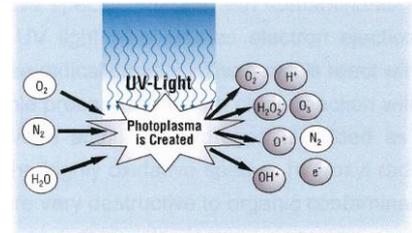
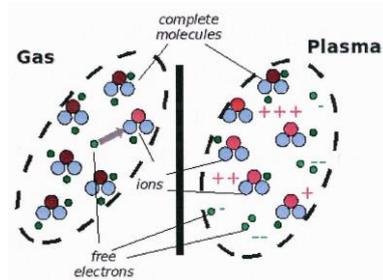
Process removes contaminants from air and surfaces by combining two very powerful purifying technologies- PhotoPlasma and PhotoChemistry. The synergy of their interaction produces a unique and a superlative way of cleaning air and surfaces of contaminants

技術原理

I 光化學 II 光催化氧化 III 光電離子



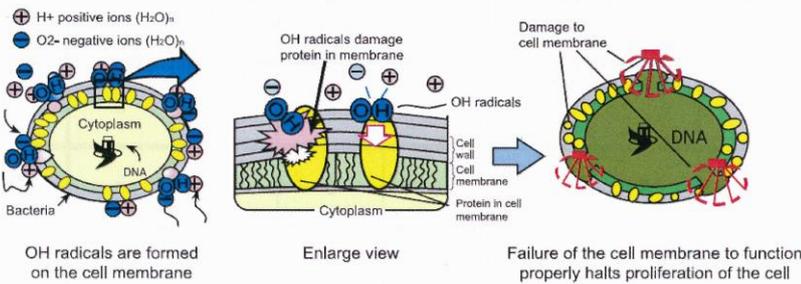
(4c) BioZone Irradiation Plasma
 光等離子簇



Plasma destruct microorganism's reproductive property

(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



(5) Negative Ion 負離子

Reduce toxic chemical concentration & neutralize positive charged ion to produce a freshness feeling

Note: