



## 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 'InDuct' air purifier for disinfects ventilation system
Dimensions	Refer to drawing
Model	ID 10-40 / ID 60 / ID 80
Finish	Chrome Plated
Manufacturer	BioZone Scientific International
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Wilson Hung
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012
E-mail	acme@acmesanitary.com.hk
Website	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  
No need use consumable chemicals, filters or scents 不用有消耗性的化學、隔濾網或香料

**Advantages of air purifier (陽光通系列空氣淨化器優點)**  
Disinfects air ducts while improving indoor air quality 改善室內空氣質量，同時清潔通風系統  
Healthier working and public environments 更加健康的工作及公眾環境  
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

Illustration/ Drawing

Model 型 號	Minimum Air Flow Volume 最少風流量
ID10 ~ 40	Choose of model depends on technical and architectural design of individual ventilation system 選擇型號將會根據個別通風系統的技術及設計而定
ID60	
ID80	

Specifications 規格 :

Model No. 型號	ID 10-40	ID 60	ID 80
Dimension 體積-座 (mm)	200(L)x100(W)x76(H)	300(L)x100(W)x76(H)	300(L)x100(W)x76(H)
UV Tube Size 體積-UV管 (mm)	203	280	381
Net Weight 重量 (gm)	580	675	1050
Power Adaptor 變壓器	100-240V~50-60Hz		
Power Input 電源輸入	12VDC		
Limited Warranty 保養期	One Year 一年		

Note:

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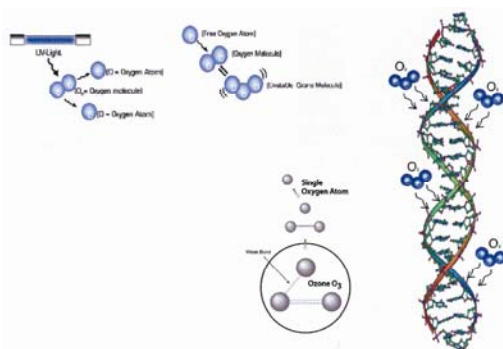
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# SANITARY WARE SPECIFICATION SHEET

## Advanced Technologies

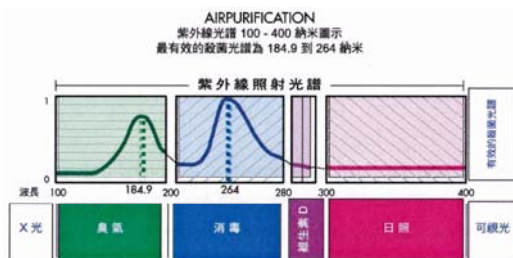
### (1) Ozone 活性氧 O<sub>3</sub>

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



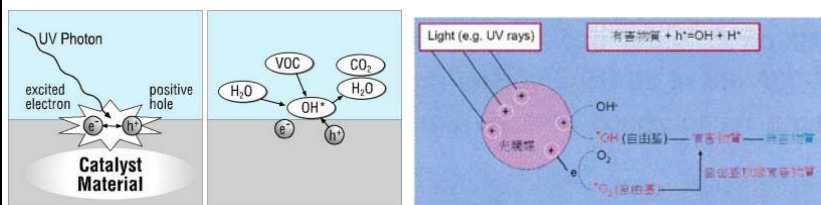
### (2) Deep UV 深頻紫外線

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

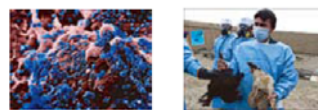


## Testing Result

### 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\*:

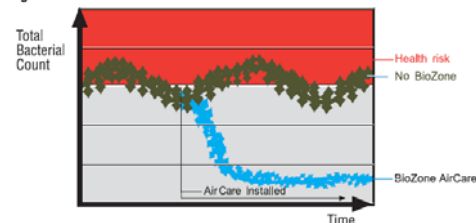
70% bacteria reduction in a real environment  
 在實際環境下減少 70% 細菌



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.



Ventilation Systems  
通風系統

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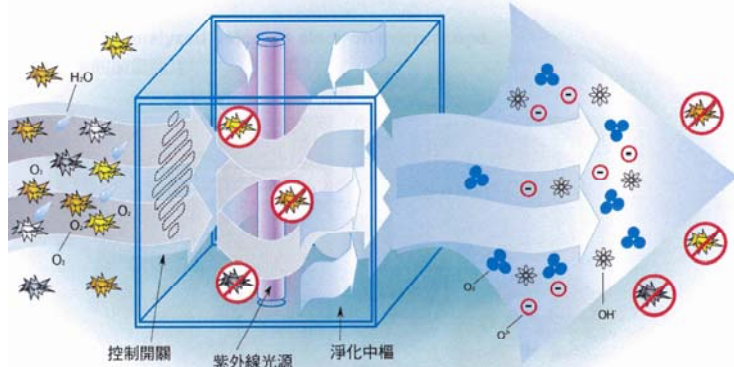
### Advanced Technologies

(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

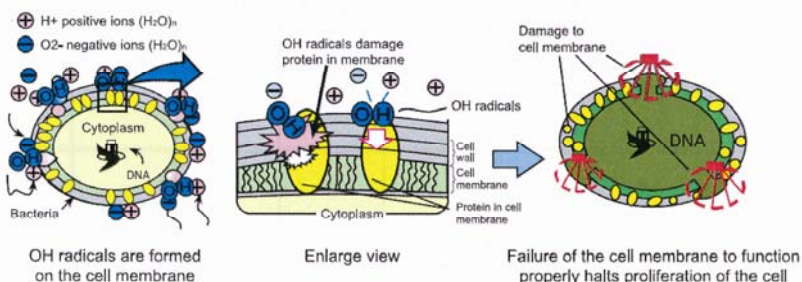
### 技術原理

I 光化學 II 光催化氧化 III 光電離子

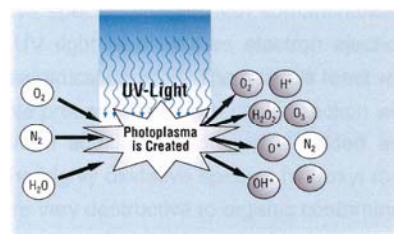
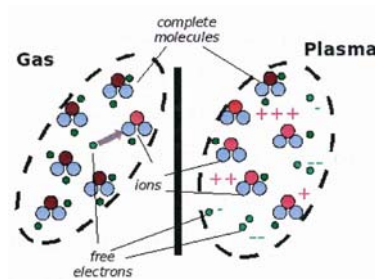


(4b) Reduction of  
biological  
contaminants  
by Photo Plasma  
光等離子的抑菌原理

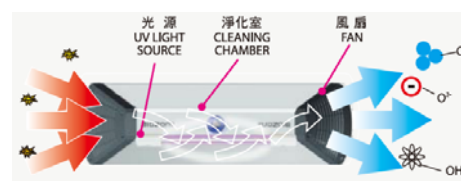
The highly oxidative species hydroxyl radicals are ver destructive to organic contaminants because they steal hydrogen atoms from the organic materials, leaving decaying carbon ions. This entire process turns into a chain reaction the breakdown and formation of new hydroxyl radicals results in the continual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



(4c) BioZone Irradiation Plasma  
光等離子簇



Plasma destruct microorganism's reproductive property



(5) Negative Ion 負離子

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

Note: