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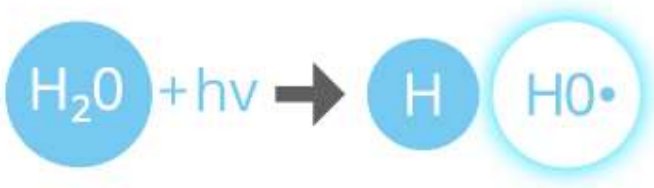
Confronto fra i principali sistemi di filtraggio aria e **tecnologia OHair®**



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Cos'è la tecnologia OHAir®?

OHAir® integra la tecnologia Odorox®, la quale utilizza un processo sicuro ed efficace basato su un globo ultra-violetto progettato appositamente per riprodurre l'effetto del sole, producendo idrossili su un'ampia area in casa. Ripulisce letteralmente l'aria che respirate e sterilizza le superfici all'interno degli ambienti garantendo un ambiente salubre.

Confronto fra le diverse tecnologie di purificazione aria e **OHAir®**

Processo: **IONIZZATORI AL PLASMA**

Questi dispositivi generano particelle con carica positiva e negativa. La scarica elettrica rilasciata nell'aria reagisce con i COV. Tuttavia l'impatto e il livello della prestazione non sono scientificamente provati.

Difetti

Possiedono una gamma molto limitata nella generazione di particelle cariche. Le particelle sospese nell'aria vengono caricate dagli ioni attraverso il legame ionico. Queste particelle caricate si attaccano le une alle altre aumentando la loro dimensione e rendendo possibile la loro rimozione persino a mezzo di filtri di basso grado. Possono produrre quantità nocive di ozono. Non producono radicali di idrossile.

Processo: **DEPURATORI D'ARIA ELETTRONICI** (Precipitazione Elettrostatica)

Questi dispositivi utilizzano una carica elettrica per rimuovere particelle dall'aria facendo in modo che l'aria passi sopra una serie di piastre che hanno carica negativa o positiva.

Difetti

Necessitano che tutta l'aria presente nel locale passi sopra alle piastre. Possono produrre livelli pericolosi di ozono. Non producono radicali di idrossile.

Processo **DEPURATORI D'ARIA A IONI** *(Precipitazione Elettrostatica)*

Le particelle che attraversano la camera del dispositivo ricevono una carica elettrica ma non vi sono piastre con cariche opposte per catturare le particelle, pertanto esse vengono rilasciate nuovamente nell'aria.

Difetti

Le particelle cariche poi aderiscono alle superfici nel locale dove rischiano di creare allergie o problemi di asma. Possono produrre livelli pericolosi di ozono. Non producono radicali di idrossile.

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*Processo **FILTRI HEPA***

Dispositivi di arresto del particolato ad alta efficienza
Utilizzano un sistema di filtraggio per intrappolare le particelle sospese nell'aria che vengono così trascinate nella camera del dispositivo.

Difetti

Tutta l'aria deve essere attirata nel filtro, il quale necessita di essere pulito quando raggiunge il livello di saturazione. La variazione della dimensione delle particelle può limitare l'efficacia del sistema di filtraggio.

Prodotti Domestici/ufficio

OHAir® MySpace Is a portable system designed to work in home, office or automotive applications. for small commercial spaces or residential use up to 750 sq. ft. (55 sq.m.) assuming a ceiling of 9ft/3m
Dimensions: 330 (l) x 110 (w) x 290 (h) [mm]
AC: 110 – 240V 50-60Hz
DC: 12 – 24V
Maximum Power: 45W
Color Options: White, Grey, Red and Blue
Typical size room: 3-5 [m] radius (depending on use and conditions of the room)
Noise Level: 32-38dbA @ 1m
Certifications: CE, FCC, C-Tick, CQC

Prodotti professionali

The Odorox® SanX unit is perfect for small commercial spaces or residential use up to **750 sq. ft. (75 sq.m.)** assuming a ceiling of 9ft/3m and is ideal for eliminating bacteria, viruses, moulds, odours and chemical off-gassing typically found in public spaces within enclosed buildings such as long term care facilities, commercial offices/cubicles, and residential homes or apartments.

Because of its compact size and light weight, the SanX™ unit is easily portable within these types of facilities as well as being floor or wall mountable. It is equipped with a variable speed fan control and a washable filtration system. The variable speed built-in fan is adjustable from approximately 100 to 210 cfm and operates using only 0.8 Amps.

The Odorox® Slimline unit is suitable for medical, clinical, institutional, commercial, or residential use up to **1500 sq.ft. (150 sq.m.)** assuming a 9ft/3m ceiling and eliminating bacteria, viruses, moulds and chemical off-gassing typically found in public spaces within buildings.

Slightly larger than SanX™ the Slimline™ is still very portable, as well as floor or wall mountable, so is a suitable choice for example in medical offices, long term care facility usage, commercial offices, residential homes or apartments.

Slimline™ is equipped with a variable speed fan control and a washable filtration system. The variable speed built in fan is adjustable from approximately 100 to 400 cfm and operates using only 1.4 Amps.

The Odorox® MDU™ (Mobile Disinfection Unit) is specifically FDA approved and is designed for medical, clinical, institutional, veterinary or hospitality use.

The Odorox® MDU unit effectively treat odours associated with bacterial, viral and mould contamination in medical or laboratory related facilities up to a **1000 sq.ft. (100 sq.m.)** assuming a 9ft/3m ceiling.

It is equipped with a selector switch for 1 or 2 Odorox® hydroxyl generating optics, variable speed fan control, hour meter and a washable filter.The variable speed built in fan is adjustable from approximately 250 to 500 cfm and operates using only 1.9 Amps. The Odorox® MDU is the perfect unit to operate continuously to neutralize and disinfect your medical environment.

The Odorox® IDU (Induct Disinfection Unit) is used to eliminate odours, bacteria, virus, VOCs, off-gassing and mould contamination in spaces up to **3500 sq.ft. (350 sq.m.)** assuming a 9ft/3m ceiling.

Designed to be easily incorporated into or added to any planned or existing HVAC system, the IDU™ is ideal for a wide range of applications ranging from medical to office and domestic/residential use and in areas for use with chemically sensitive or medically compromised individuals (e.g. ICU facilities). The IDU™ is equipped with a selector switch for 1 or 2 hydroxyl generating optics and designed for continuous operation.

The Odorox® Boss is hugely versatile, a best selling unit that can be applied to a huge range of applications up to fire and water damage restoration work where it has been particularly successful. It's power allows it to easily deodorize and decontaminate up to **2500 sq.ft. (250 sq.m.)** depending on the level of contamination and assuming a 9ft/3m ceiling space.

The Boss™ is designed for heavy concentration processing but operates using only 1.9 amps. The Boss™ unit is equipped with a selector switch for 1 or 2 hydroxyl generating optics and a washable filter. The built-in fan is adjustable from approximately 250 to 500 cfm which adds to the unit's versatility. On low fan speed the unit is able to deodorize small areas such as cars, RVs, boats, bedrooms or offices. Turning the fan to high enables treatment of larger or more intensely affected areas such as basements, homes and businesses.

The Odorox® Boss XL3 is a more powerful but fanless model designed for use with an existing air mover or drier (NOT included) (NB. A minimum 2,500 cfm fan capability is required to activate the Boss XL3).

The Boss XL3™ unit provides a high yield of hydroxyls to treat large areas affected by fire and smoke, flood, nicotine, grey/black water, decomposition, mould, sewage, chemical spills/off-gassing and any other odour problem you may encounter. The Boss XL3™is able to perform in up to **4000 sq.ft. (400 sq.m.)** of contaminated space, assuming a 9ft/3m ceiling, and possibly more depending on the air mover. It is equipped with a selector switch for use with 2 or 3 Odorox® hydroxyl generating optics and operates using only 1.6 Amps.