



# MEDICAL GERMICIDAL AIR PURIFICATION SYSTEM



Model: SM 767A

PURIFICATION MODULES				TECHNICAL PARAMETERS							
HEPA(MERV16) filter screen	Catalyzed and modified activated carbon	VOC/PCO + UVC	High-concentration anion generator	Rated Voltage (V)	Rated power (W)	CADR Clean Air Delivery Rate (m <sup>3</sup> /h)	Noise (dB)	Anion concentration (ions/sec)	Applicable area (ft <sup>2</sup> )	Weight (kg)	Produce size (mm)
√	√	√	√	230	8.8~97	260	29~52	5.0*10 <sup>6</sup>	1800	12.5	650*450*230

# 5 PURIFICATION FUNCTIONS

The release of anions (negative ions) helps eliminate dust, mites, pollen, pollutants, germs and all air-borne allergens, bacteria and viruses.

# 5 PURIFICATION MODULES

HEPA (MERV 16) filter screen+proprietary technic modified activated carbon+VOC/PCO catalytic filter screen+UV-C lamp+high-concentration piezoelectric anion generator

## 1 HEPA filter screen



Comprises of fibre with static electrification. The bacteria and virus attached to particles are filtered effectively.

**Efficiency:** Once the physical absorption is adopted, the filter efficiency is 99.997% for particles with diameter of above 0.3µm. It is specially designed to eliminate dust, mites, pollen, pollutants, smoke, germs and all air-borne allergens, bacteria and viruses.

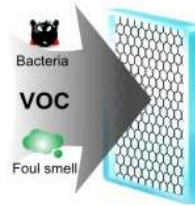
## 2 Proprietary technic modified activated carbon



The vegetable activated carbon given special proprietary high-tech catalysis and modification treatment absorb various volatile organic matters in the air. The absorbed concentrated organic matters is decomposed into carbon dioxide and water while restoring ozone into oxygen with high efficiency under the synergy of plasma and micro-ozone by plasma dust collection unit.

**Efficiency:** Effectively eliminates indoor pollutants, i.e. formaldehyde and benzene series, ozone and various substances producing foul smell.

## 3 VOC/PCO catalytic filter screen



Comprises of VOC/PCO catalyst and carrier. Cellular metal is used as carrier and supported nano noble metal (Pt, Pd) is used as catalyst as it has high catalysis and decomposition efficiency on VOC gases. PCO material (photocatalytic material) attached to the surface of catalysis material and under the UVC light works in synergy with VOC catalyst to achieve high purification and germicidal efficiency rate.

**Efficiency:** The VOC composition in the air is filtered effectively while disinfecting and deodorizing. VOC/PCO complex catalytic filter is featured by low wind resistance and long service life.

## 4 UV-C Lamp

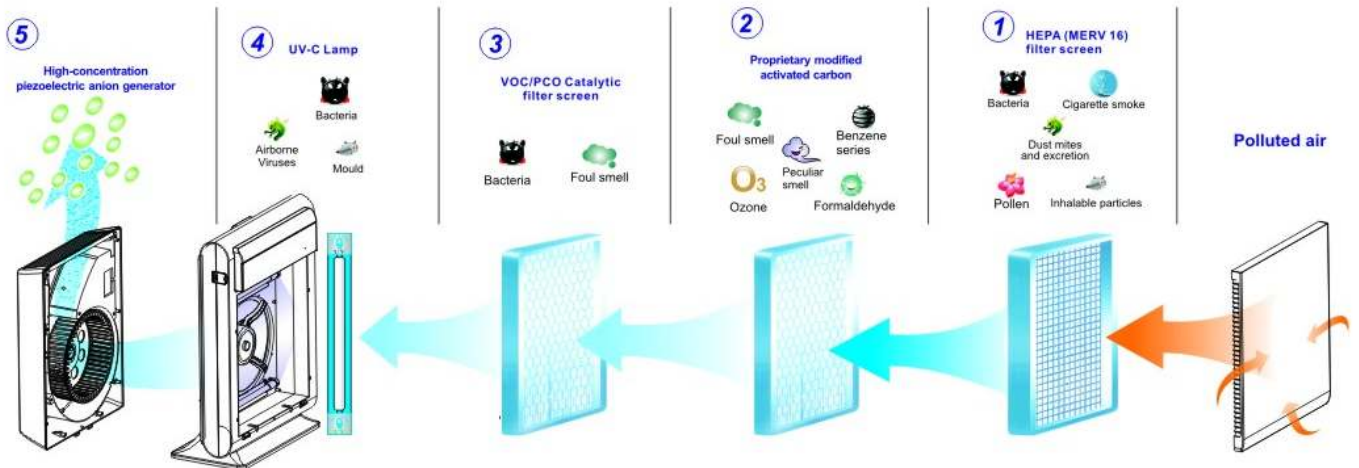


Activating the UV-C lamp perform additional purification by utilizing 254 Nm UV sterilization. Destroys various kinds of microbacteria, airborne viruses and mould

## 5 High-concentration piezoelectric anion generator



Once the piezoelectric anion ( $\leq 5.0 \times 10^5$ ) generator is adopted, the produced anions of proper amount makes the purified air fresh and clean.



### Contact details