

## Technical Specifications

Lightwave: UV-C primarily in the 222nm wavelength  
 Power: 220-240VAC, 50/60Hz  
 UV intensity inside: 90,000  $\mu\text{w}/\text{cm}^2$   
 Bulb lifespan: 8 000 operational hours  
 Ballast lifespan: 20 000 operational hours  
 Bulb length: 317mm  
 Power of bulb: 24 watts \* 2 pieces  
 Filter: HEPA (H13/14)  
 Efficiency: 99.995% @0.3 $\mu\text{m}$   
 Net weight: 18 kgs  
 Air flow rate: 200 CFM  
 Noise level: 55 $\pm$ 5dB

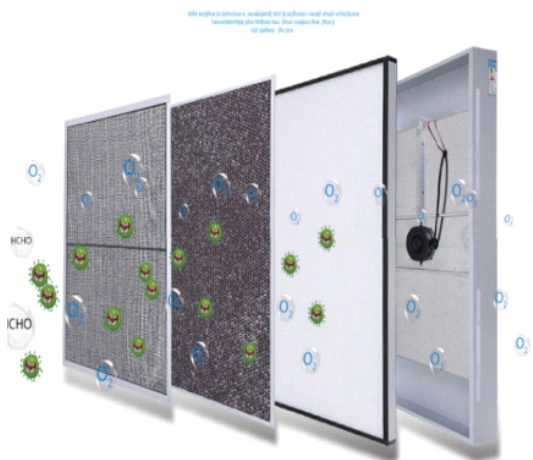


## Features

- Touch control panel
- Wireless remote control
- Measures: 890\*75\*1500mm
- Effective up to 1000 sq.ft.

## MEDICAL GERMICIDAL AIR STERILIZATION UNIT

Model: SM 88



### Filters:

- HEPA (H13/14)
- Activated carbon
- PCO with nano TiO<sub>2</sub>

### Note:

Europe's H ratings should not be confused with U.S. MERV ratings. The HEPA H13 and H14 in Europe is approximately equivalent to a MERV 17 or 18 in the United States

The best way to mitigate against airborne viruses, yeast, fungi, bacteria and mold

**What UVGI / UVC technology can do:**

Scientific evidence confirms that Clostridium difficile, MRSA, VRE, Acinetobacter baumannii, and influenza are transmitted via environmental surfaces. Studies indicate that only 50% of environmental surfaces in a typical operating room suite or patient room care in hospitals are effectively disinfected. Hence a patient’s risk of contracting a Hospital Acquired Infection (HAI) from contaminated surfaces increases when the previous room occupant was infected.

- Mobile ultraviolet light (UV-C) unit significantly reduces aerobic colony counts and C. difficile spores on contaminated surfaces in hospitals.
- System for clinical & domestic applications to perform a proper air and surface sterilization against microbial contamination.
- Effective in the eradication of dust mites and bed bugs when used periodically.
- Prevention against indoor air contamination such as bacteria, mold, yeast and fungi.
- Decontamination of patient rooms, hotel rooms, meeting rooms etc... using an automated mobile UVC Light Unit.
- Short wavelength sterilization method to break down microorganisms in food and water.
- Variety of applications, such as food, air and water purification.
- UV radiation destroying nucleic acids in organisms to destroy their DNA.
- Deadly effect on micro-organisms, pathogens, viruses and molds.
- Sterilize drinking- and wastewater.
- Air sanitization and purification.



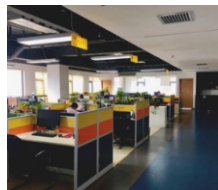
Class room



X Ray room



CT room



Office



Hospital Ward



Reception area



Food Storage Areas  
Kitchen



Minor OT theatre

**Benefits:**

- Effective in the mitigation against virus ie COVID-19, Tuberculosis, MRSA, H1N1 and other airborne cross contamination.
- Eliminates 99.9% of virus, bacteria, yeast and mold problems found in hospitals, schools, food processing plants and offices.
- Recommended by medical experts.
- Eliminates odours and neutralizes the air.

**Applications and locations where to implement :**

- Clinical environments such as clinics, hospitals, dental surgery, schools, holding facilities, hospital reception area, wards, minor OT, X ray room, CT scan room, dialysis center.
- Food processing plant and food storage facilities (cheese, wine, vegetable, fruit, meat, etc..).
- Office, open office concept, bank, beauty saloon,
- Laboratories, testing facilities and diagnostic screening centre that require a clinically clean environment.
- Colleges, kitchen, hall, class room, eating centre.

**Contact details**