CHOOSE SAFEAIR...FOR LIFE!

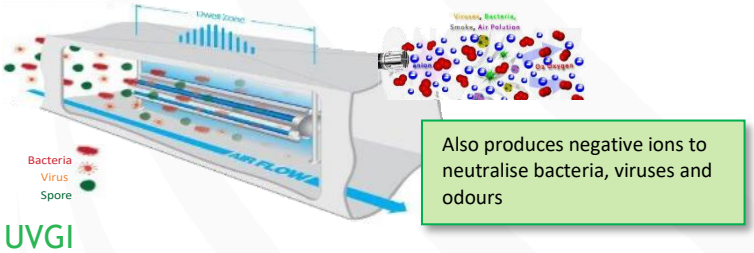
SAFEAIR - SATUV AIR PURIFIERS?

Ulilog SafeAir Ultraviolet Air Purifiers use a combination of ultraviolet germicidal irradiation (UVGI) and negative ion generation to purify & revitalise indoor air. SafeAir pro-actively controls & reduces the transmission of pathogens such as airborne bacteria, viruses and fungi as well as yeast & mould spores. The device also neutralises known carcinogens that regularly pollute indoor air such as volatile organic compounds (VOCs), oxides of nitrogen (NOx) and second-hand tobacco smoke. SafeAir also removes unpleasant odour particles. These statements are supported by the research and evaluation of leading affiliations. The National Health Laboratory Service report of February 2017 concluded that the two units that were submitted for evaluation were 100% effective in reducing the bacterial count to 6 log reduction (99%) in the laboratory test room which is in accordance with the principal for design as a disinfection system.

HOW DOES IT WORK?

SafeAir UVGI Air Purifiers have been designed to draw in air from the room which passes over concealed ultraviolet lamps for a certain time in order to reduce and kill airborne microbes - bacteria, viruses and pollutants.

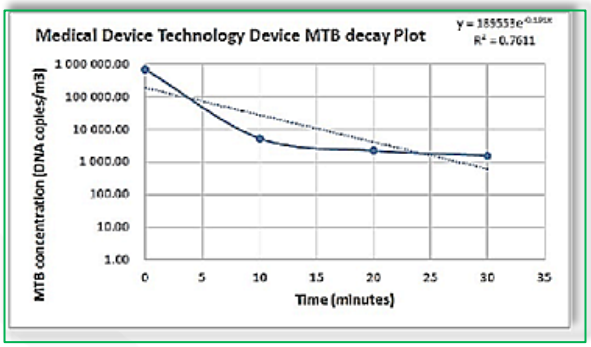
Ultraviolet & Negative Ion Generator



Also produces negative ions to neutralise bacteria, viruses and odours

UVGI

Ultraviolet Germicidal Irradiation (UVGI) is a sterilization method that uses UV light at a sufficiently short wavelength to break down micro- organisms. It is used in a variety of applications such as food, air and water purification. An air ionizer (or negative ion generator) is a device that uses high voltage to ionise (electrically charge) air molecules. Negative ions, or anions, are particles with one or more extra electrons, conferring a net negative charge to the particle.



Graph showing concentrations of airborne Mycobacterium tuberculosis (MTB) detected when the UVGI fixture was challenged with 1 x 10^6MTB/Mil.
MTB test conducted by the National Health Laboratory Services (24/02/2017) pg. 14 done by Tanusha Singh (NIOH)

Ultraviolet light

- ✓ UVC radiation wavelength of 253.7nm
- ✓ Destructive to pathogenic micro-organisms and bacteria
- ✓ Bacterial and air sterilisation

Ionisation

- ✓ Nanotech components and carbon fibre discharger
- ✓ Generates 6 million negative ions per cm^3
- ✓ Removes larger airborne contaminants
- ✓ Offers purified and revitalised air

WHERE SAFEAIR?

Highly populated indoor areas including:

- ✓ Business (offices, call centres, factories, warehouses)
- ✓ Education (crèches, schools, universities)
- ✓ Hospitality (hotels, lodges, B+Bs, restaurants, canteens)
- ✓ Medical (hospitals, clinics, consulting rooms, ambulances)
- ✓ Public transport (trains, busses, taxis)
- ✓ Recreational (gyms)
- ✓ Retail (shopping malls, bathrooms)
- ✓ Mine change houses and living quarters
- ✓ Food and meat industry

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Making cents out of energy

WHY PURIFY INDOOR AIR?

- The average adult consumes 11 000 to 14 000 litres of air per day.
- We are regularly in close proximity to people who expel droplets when they cough, sneeze, laugh and talk. Certain nuclei can travel up to 40m and remain airborne for hours. These are ways in which airborne diseases are spread.

WHAT ARE THE SPECIFICATIONS?

	SATUV1	SATUV2
		
Dimensions	570 X 160 X 100	270 X 160 X 100
Weight (Kg)	4.5	2
Input voltage (AC)	230V	230V
Total unit wattage	85	30
Area covered for TB risk (m^3)	55-165	18-54
Air flow (Cfm)	40	20
uW/cm^2 at 1m	156	51
Ioniser (N-ion Density)	6mil per cm^2	6mil per cm^2
Cabinet	Powder coated	Powder coated
Rated lamp life	9000 hours	9000 hours
Input UV lamp watts	55	18
Noise (dB)	37	31
Equivalent air changes per hour	11.15 AC/h	11.15 AC/h

WHAT ARE THE FEATURES AND BENEFITS?

- ✓ Emits zero direct radiation (new international standard)
- ✓ Completely safe (National Health Laboratory Service)
- ✓ Robust and reliable
- ✓ Small and flexible
- ✓ Ulitises 1 x 55W UVC lamp: Life span of 3 years / 9 000 hrs
- ✓ Negative ion generator for enhanced efficiency:
  - Life expectancy of 50 000 hrs
- ✓ Minimal maintenance
- ✓ Controls the spread of infectious airborne diseases
- ✓ Reduces absenteeism
- ✓ Reduces allergens for asthma and sinus sufferers
- ✓ Neutralises odours
- ✓ Eliminates stale air
- ✓ Alleviates Sick Building Syndrome (SBS)
- ✓ Reduces maintenance on existing HVAC systems and air-conditioning systems.

WHO TO CONTACT?

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