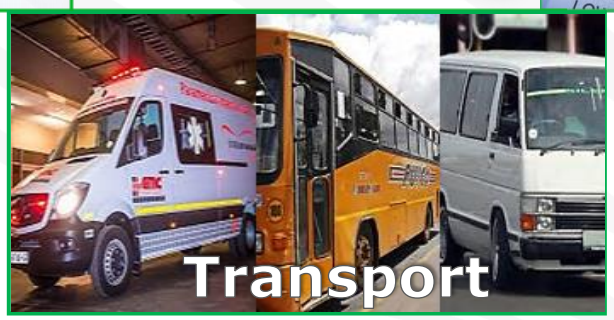
Safe air

CHOOSE SAFEAIR ... FOR LIFE!



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WHAT IS SAFEAIR?

Ulilog SafeAir UV-C Air Purifiers use a combination of ultraviolet germicidal irradiation (UVGI), negative ion generation and $Ti0^2$ (PCO)to purify & revitalise indoor air and surfaces. SafeAir pro-actively controls & reduces the transmission of pathogens such as airborne and surface bacteria, viruses and fungi as well as yeast & mould spores. The devices also neutralise 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 up to 6 log reduction (99%) in the laboratory test room which is in accordance with the principal for design as a disinfection system.

DID YOU KNOW? - you can contract TB, colds, flu/airborne diseases from people that left the room hours ago.

DID YOU KNOW? - Indoor air can be up to 100 times more polluted than outdoor air.

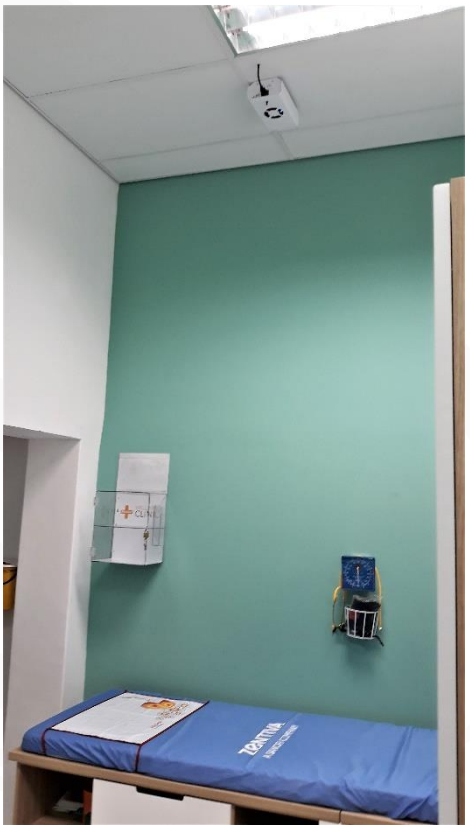
WHY PURIFY INDOOR AIR?

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.

DID YOU KNOW? - A sneeze projects droplets for up to 40 meters and can stay alive and airborne for hours.

HOW DOES IT WORK?

SafeAir Ultraviolet Air Purifiers have been designed to draw in air from the room which passes over concealed ultraviolet lamps and past negative ion technology in order to reduce and kill airborne microbes - bacteria, viruses and pollutants.



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

DID YOU KNOW? - It is estimated that 80% of South Africans have latent TB.
(www.TBfacts.org/tb.statistics-south-africa)

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High Powered UV-C Room & Surface Sterilizer

SafeAir Ultraviolet Room and Surface Sterilisers

- Effective against all known pathogens, bacteria, and viruses such as MRSA, Tuberculosis (TB), E. Coli, Salmonella, Multidrug-resistant CRKP, Vancomycin-resistant enterococci (VRE), Listeria, Legionella, Adenovirus, Hepatitis, SARS-COV, Influenza, also Mould spores, Yeast and Cysts and many more.
- SafeAir UV-C Surface Sterilisers do not produce smells, O^3 (Ozone) nor use chemicals or alcohol to sterilise surfaces. Using a SASUV will save the occupants of the room exposure to VOCs which are detrimental to people suffering with sinus and asthma. Reducing VOCs would also assist in alleviating Sick Building Syndrome (SBS)
- UV surface disinfection is a physical process rather than a chemical disinfectant, which eliminates the need to generate, handle, transport, or store toxic/hazardous or aggressive chemicals.
- UV-C is effective when organisms have become immune to other sterilizing methods. Pathogens cannot build immunity towards UV-C light.
- SafeAir Surface Sterilisers have an illuminated on/off switch as well as a remote control. The UV-C Lamp will not switch on unless the remote is activated by the responsible, trained and authorised person. This also allows the operator to switch it on and off remotely from a distance.
- SafeAir Surface Sterilisers are an alternative solution to disposable sterilizing wet wipes, which end up in landfill.

Pathogens

Pathogens are infectious biological agents, more commonly known as germs that cause disease to its host. Examples - Tuberculosis (TB), SARS and H1N1 viruses.

Tuberculosis (TB)

TB is a contagious, airborne virus responsible for more deaths than HIV and Malaria. TB is usually spread through the air when a person with pulmonary or laryngeal TB coughs, sneezes, spits or talks. According to World Health Organisation (WHO), approximately 1/3 of the world's population has latent TB, which does not display symptoms. About 10% of latent infections progress to active disease which, if left untreated, kills about half of those infected. It is estimated that 80% of the population of South Africa is infected with TB bacteria, the vast majority of whom have latent TB (www.tbfacts.org/tb-statistics-south-africa).

Carcinogens

A carcinogen is any substance, radionuclide, or radiation that is an agent directly involved in causing cancer. Carcinogens cause cancer by producing changes/mutations in the genetic material or DNA of a cell. These mutations result in uncontrolled cell division, a cancer-causing substance which alters the DNA of a cell directly or reacts with other chemicals in the body to form substances that cause gene mutations. SafeAir Ultraviolet Air Purifiers neutralise carcinogens.

Volatile Organic Compounds (VOCs)

VOCs refer to organic chemical compounds which have significant vapour pressure and can affect the environment and human health. Although VOCs include both man-made and naturally occurring chemical compounds it is the anthropogenic VOCs that are regulated, especially for indoor areas where concentrations can be highest. VOCs are typically not acutely toxic but have chronic effects.

Sick Building Syndrome (SBS)

Sick Building Syndrome is a combination of ailments (a syndrome) associated with an individual's place of work (office building) or residence. A 1984 World Health Organisation report into the syndrome suggested up to 30% of new and remodeled buildings worldwide may be linked to symptoms of SBS, and today the figure is probably significantly higher. Most Sick Building Syndrome is related to poor indoor air quality.

Odours

Odours and tobacco smoke are notorious for their ability to saturate living spaces and persist long after their source is gone. SafeAir Ultraviolet Air Purifiers sterilise indoor air for purified and revitalised air.

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WHAT ARE THE SPECIFICATIONS?

Safeair CHOOSE SAFEAIR...FOR LIFE!	 SATUV1/95 - UVGI	 SATUV1 - UVGI	 SATUV2/36 - UVGI	 SATUV2 - UVGI	SASUV - UVGI Surface Steriliser 
Dimensions (L x W x H)	570 X 160 X 100	570 X 160 X 100	270 X 160 X 100	270 X 160 X 100	712 X 76 X 123
Weight (Kg)	4.6	4.5	2	2	1.85
Input voltage (AC)	230V	230V	230V	230V	230V
Germicidal Lamp wattage	95	55	36	18	18, 55, 95
Area covered	95-285	55-165	18-54	18-54	Surfaces
Air flow (Cfm)	72	72	36	36	N/A
µw/CM² at 1m	250	156	102	51	51, 156, 250
Ioniser (Neg-Ion Density)	6mil per cm2	6mil per cm2	6mil per cm2	6mil per cm2	N/A
Cabinet	Powder coated	Powder coated	Powder coated	Powder coated	Powder coated
Rated lamp /Filter life	9000 hours	9000 hours	9000 hours	9000 hours	9000 hours
Input watts	125	85	30	30	20, 57, 97
Noise (db)	42	37	31	31	N/A
Air changes / hour (AC/he)	8-12 AC/he	8-12 AC/he	8-12 AC/he	8-12 AC/he	N/A
Efficacy in 60 minutes (%)	95m³ - 99,99%	55m³ - 99,99%	36m³ - 99,99%	18m³ - 99,99%	N/A

WHAT ARE THE AIR PURIFIER FEATURES AND BENEFITS?

- ✓ Emits zero direct radiation
- ✓ Completely safe (National Health Laboratory Service)
- ✓ Robust and reliable
- ✓ Small and flexible
- ✓ 9000hr Lifespan
- ✓ Negative ion generator for enhanced efficiency
- ✓ 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 IS ULILOG?

Ulilog (PTY) Ltd. is a vibrant young South African company that has identified the next level in Air Purification and surface sterilisation. We are aggressively exploring and implementing cutting-edge technologies, within an all-encompassing philosophy, to monitor and manage UV-C efficiency and safety. Our holistic philosophy to resource management, together with our international reach, ensures access to the appropriate knowledge and technologies, while our partners support our activities by designing and producing specific solutions within optimal economic parameters. Based in Gauteng, South Africa, our implementation footprint is regional and expanding, while our knowledge and technology partners are globally located. The company not only offers knowledge and technological expertise, but also brings extensive project consultancy expertise, acquired in the international and regional domains, to bear in order to ensure successful satisfaction of our client-partners' needs.

WHO TO CONTACT?

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