

ULTRA VIOLET
INDUCT AIR
STERILISATION
SYSTEM

CUSTOM DESIGNER RANGE

Our mission is to protect
all workers from the spread
of airborne pathogens who
interface with people on a
day-to-day basis.



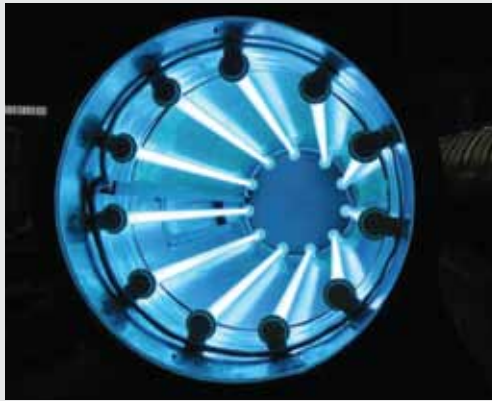
Technilamp

'Improving the quality
of life, everywhere'

A breath of fresh air

In today's world, indoor air is 80 - 100 times more polluted than outdoor air. People spend 90% of their time indoors, with indoor air generally filled with contaminants such as bacteria, viruses, moulds and mildew. 80% of air conditioned air is also re-circulated.

Infection is spread in many ways, but the two predominant transfers of infection are via contact and inhalation. Up until now, the conventional defence against infection has been surface cleaning and hand washing. Currently, however, nothing is done to sterilise the air and reduce the risks from the inhalation of airborne micro-organisms.



Induct Air Sterilisation

- Delivers indoor sterile air on a 24/7 basis for 24/7 worker protection.
- Each system is custom designed according to air flow and duct size.
- Only quarterly cleaning and annual lamp replacement required.
- Comprehensive maintenance programme provided with centralised CRM programme.
- Environmentally friendly with no use of chemicals.
- Lamps disposed in an environmentally friendly manner.
- Use of Philips UV lamps only, which contain the lowest levels of Mercury.

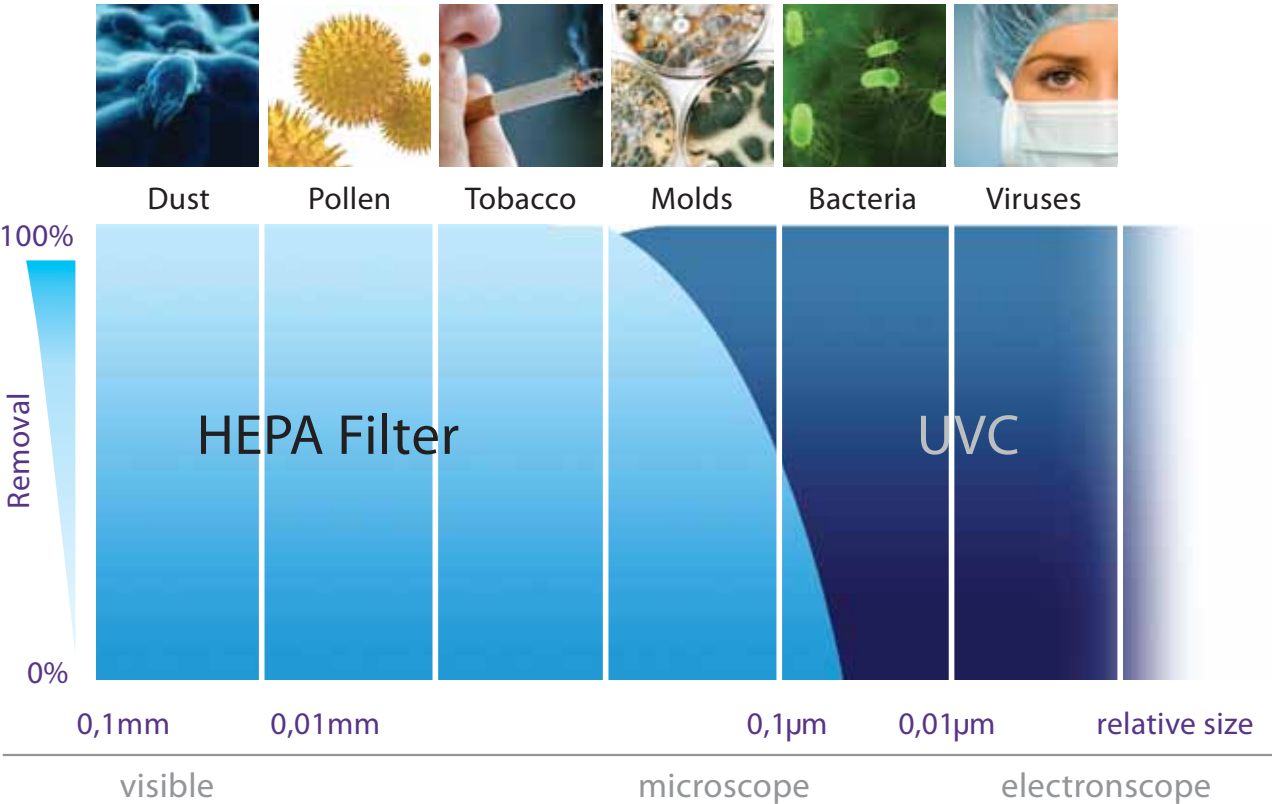


Coil drying and moisture free system

- Delivers a continuous 24/7 dry, moisture free coil for free air flow.
- Delivers +-10% saving in electricity consumption.
- Each system is custom designed according to coil and duct size.
- Only quarterly cleaning and annual lamp replacement required.
- Comprehensive maintenance programme provided with centralised CRM programme.
- Use of Philips UV lamps only, which contain the lowest levels of Mercury.
- Lamps disposed of in an environmentally friendly manner.

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Ultraviolet light (UV) is electromagnetic radiation in a wave length range that is invisible to the eye. All of Technilamps systems are designed around the 254nm UV-C spectrum, using Philips lamp technology.



Source: Philips

Airborne viruses move with the convection flow of air. The UV-C light is germicidal; it deactivates the DNA of bacteria by destroying their ability to reproduce. The airborne virus is killed instantly when coming into contact within the radius of the UV-C irradiance kill area.

HEPA Filters are effective for dust, pollen and tobacco but only 50% effective on molds. UV-C is highly effective against bacteria and viruses.



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PLEASE NOTE: YOU ARE NOW ENTERING A STERILE AIR FACILITY

This system is powered by Technilamp UV-C technology which delivers indoor sterile air on a 24/7 basis. The system protects workers from all airborne pathogens, including Influenza Tuberculosis.



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Leading the way

Technilamp was established 36 years ago, when the company was awarded the Philips franchise for the selling and distribution of ultra-violet and infra-red lamps in South Africa, a franchise the company still holds to this day. Technilamp pioneered the move into indoor sterile air using Ultra-Violet Germicidal Irradiation (UVGI) technology in South Africa.

Through the use of this revolutionary technology, Technilamp is proud to be associated with our blue chip list of customers:

Harmony Gold Ltd
Right to Care – US Aid
KNCV Tuberculosis Foundation - Namibia
SA Department of Health
SA Correctional Services
SA Military
AngloGold Ashanti Ltd
Anglo Platinum Ltd
Lonmin Ltd
Rustenberg Platinum Ltd
Exxaro Ltd

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A range of UV sterile surface and sterile water systems are also available.

