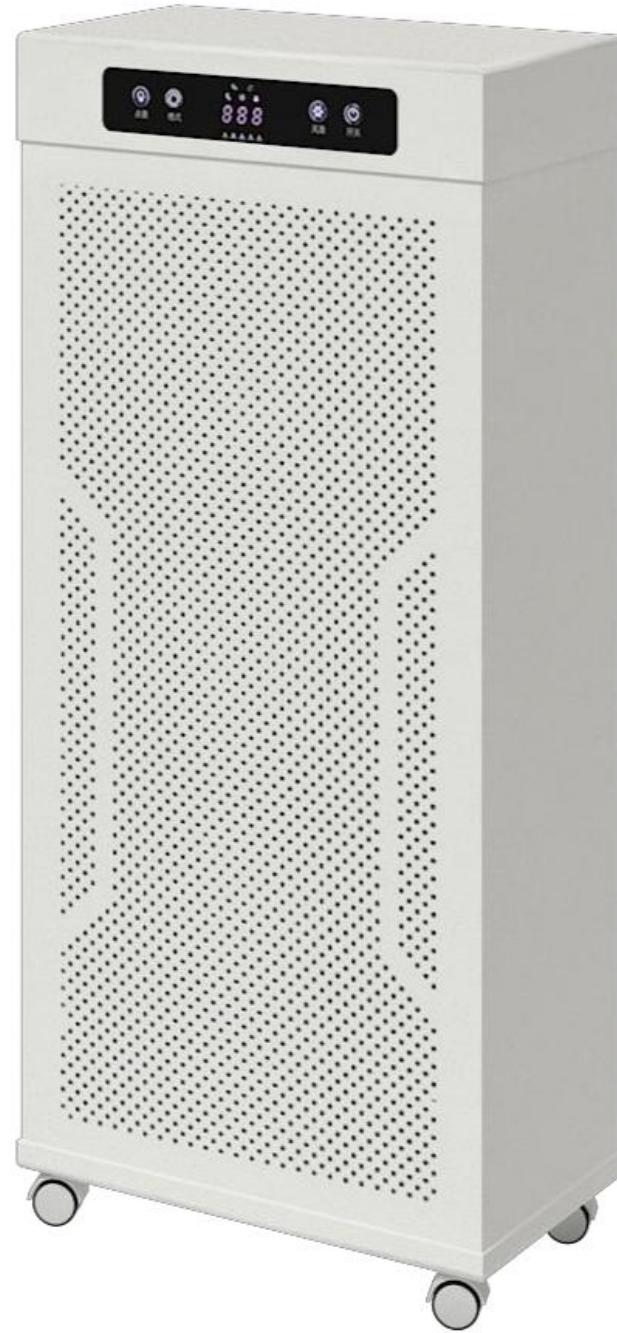


So Pure Air KT II tm

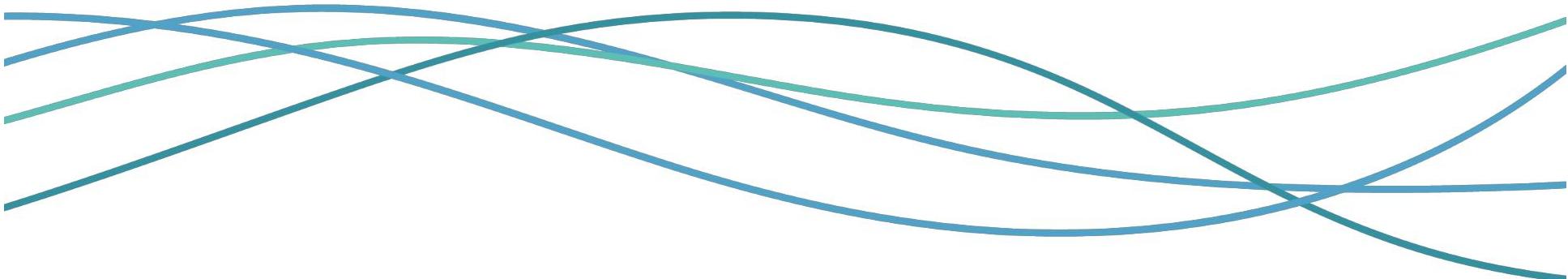
Medical Grade Dual Technology Mobile Air Purification
Sterilization and Filtration Module



Purified Air Solution

Suitable for all public areas.

Ideal for Open plan offices, Receptions, Hotels,
Restaurants, Classrooms, Banks, Retail Space and
Hospitals.



Background: The Science

SO PURE AIR™ 'KT II' Medical grade Dual Technology mobile air purification, sterilization and filtration module:

The 'KT II' combines a three stage Air Sterilisation and Filtration, Purification system based on the 'Kill and Trap' process.

Using Ultraviolet Germicidal Irradiation (UVGI) technologies, antimicrobial UV-C rays, 'KT II' decontaminates air by killing over 90% of airborne viruses and infections.

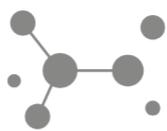
This, combined with a medical grade high efficiency particulate air filter (HEPA) traps airborne viruses of even 0.1microns. (this is the size range of the SARS-Cov-2 virus)

Once the Ribonucleic Acid (RNA) and Deoxyribonucleic Acid (DNA) of bacteria, virus, fungi, micro organisms is irradiated, ruptured, disrupted and destroyed with the photonic energy of the UVGI technology, the air is sanitised and released back into your space having also passed through both a HEPA and activated carbon filter respectively.

UVGI technology disinfects the air by emitting UV-C rays at a wavelength of over 250 nm (uv-c band). These rays have been shown to be effective at inactivating airborne H1N1 influenza, drug resistant bacteria and common airborne seasonal corona viruses according to latest research.



Fast Air Purification



Kills 99.7% of Airborne Pathogens and Viruses



Cross Infection Reduction



Dual Technology Filters



Quiet



Certified

Technical Specification

ELECTRICAL SUPPLY

220-240v single phase
Standard 13amp plug

POWER CONSUMPTION

130 Watts

DIMENSIONS

W 580mm
H 1250mm
D 320mm

WEIGHT

20.3kg

COVERAGE

Based on ceiling height
Up to 2.8m

150m²
1614.59ft²

NOISE

Speed 1-2 40db
Max Speed 65db
(Only required when first installed)

FILTERS

HEPA h13 PM 2.5 Medical grade
Efficiency 99.9% - 99.97% @ 0.3um

Activated Carbon filter
Ultra Large absorption honeycombed
area 800 x 400 x 10mm

UVGI TECHNOLOGY

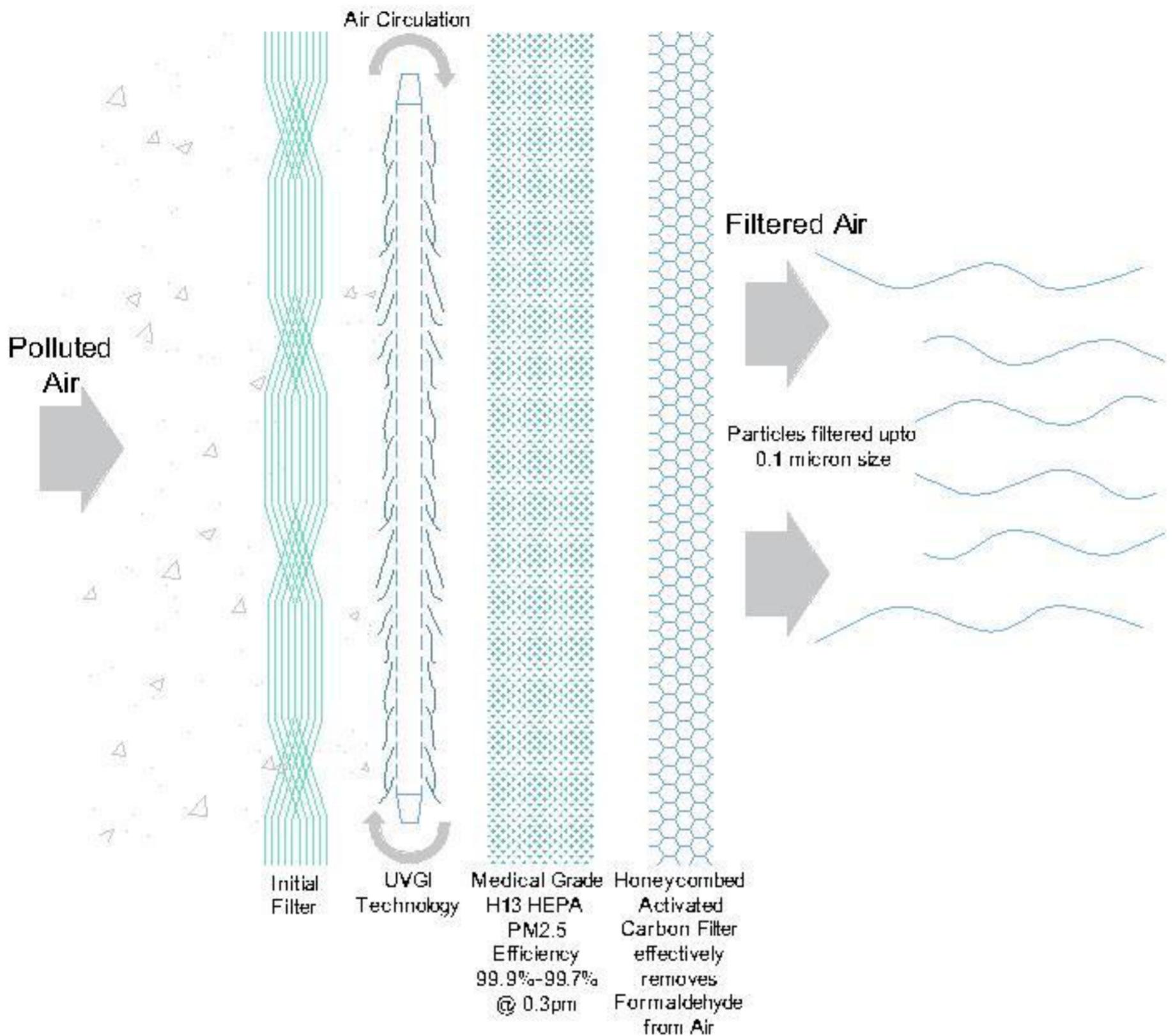
UV-C lamp 15w for sterilisation
1200m² per hour

AIRFLOW

2Hr Air change capacity
Equivalent to 4 air changes in an eight
hour working day for continuous use

24HR USE

Night time setting ensures air is fully
purged over night



Dual UVGI / HEPA filter Technology

The above diagram shows a visual representation of how dual technology Ultraviolet Germicidal Irradiation (UVGI) and medical grade HEPA filters work together. Polluted air is drawn in through an initial filter before being circulated past the UV-C lamps. Here, airborne pathogens are irradiated by the UV-C rays. The sanitised air is then passed through the HEPA and activated carbon filters before being released back into your space.

Case Study

Project: 1 Cardale Park

1 Cardale Park have installed 'So Pure Air™' mobile, medical grade, dual technology air purification units in their new lifestyle, wellbeing work space.

Testimonial:

'We specifically wanted to provide additional protection in our main social and co working space so needed a unit that would cover the whole 142m². Nearly all the units we looked at only covered 80 m², which would have meant we needed more than one. The 'KT II' is perfect as it covers up to 150m².

It's a complex process deciding which model to buy with several competing technologies. In the end we decided on a unit that gives us the sterilising action of the UGVI technology together with the medical grade HEPA filters which get changed within our maintenance agreement for all areas, albeit we went for the smaller 'KT 1' units in the meeting rooms as these cover up to 60m². Dencold are a super company to work with, they also installed all our Air Conditioning. I wouldn't hesitate to recommend Charles and his team.'

Brittany Chadwick Centre Manager

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