

CONCEALED

UVGI CEILING CASSETTE AIR PURIFIER



purifiedair®

INDOOR AIR VIRUS CONTROL AND FILTRATION EXPERTS

Purified Air has been delivering cleaner, safer environments for clients since 1984. Now, the challenge has never been greater. We have been developing and extending our range of UVGI products to help control pollution including coronavirus.

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CONCEALED

CEILING CASSETTE

AIR PURIFIER



Our Ceiling Cassette is a versatile UV air purifier which fits seamlessly into the environment. Concealed above the ceiling, the Cassette quietly removes harmful virus and bacteria, delivering clean, purified air into the space.

The air purifier uses our tried and tested ultraviolet germicidal irradiation (UVGI) technology to destroy viruses and bacteria from the air with a 99.9% efficacy. The Ceiling Cassette is designed to replace one grid tile, fitting seamlessly with typical office aesthetics. The versatile design means the Cassette is easy to retrofit within existing offices or install as part of a new office, healthcare or commercial fit-out design.

KEY FEATURES

- ▶ Compact and concealed
- ▶ Sized to replace a ceiling tile
- ▶ Quiet recirculation operation
- ▶ Easily fitted, stand alone system
- ▶ Variable speed
- ▶ Operated by remote control

UVGI TECHNOLOGY

Eliminating viruses and bacteria with UV light

This simple to install unit does not require external ducting and features 4 high output UV-C lamps. UVGI inactivates micro-organisms by attacking their DNA, permanently destroying and altering the molecular structure, leaving them unable to replicate or grow.

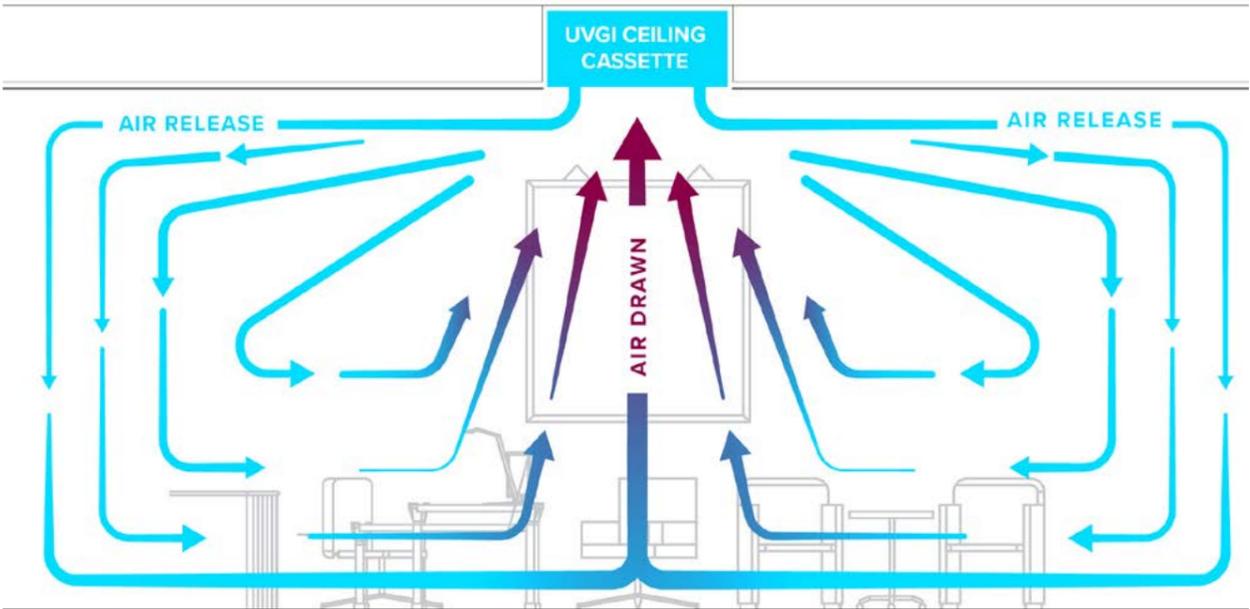
UVGI RANGE

We manufacture various products utilising UVGI technology.

Our technology incorporates:

- ▶ UV-C lamps shielded by their module to reduce the collection of dirt on their surface, thus extending their optimum efficiency.
- ▶ The ability to provide the units in simple format or fully monitored with each module of lamps able to provide a local alarm or a BMS signal if in fault.

HOW IT WORKS



-  Contaminated air is drawn into the unit
-  Air is drawn into the irradiation chamber
-  UV light disinfects the air
-  Purified air is released back into the environment

ULTRAVIOLET (UV)

Ultraviolet (UV) light is measured in wavelengths with the UV-C wavelength within the range of 100 nanometer (nm) to 280 nm emitting highly effective sterilization power. UV-C germicidal wavelength at around 260nm is the most effective to kill

harmful micro-organisms in the air and on surfaces. Germicidal lamps utilize powerful UV-C wavelength to destroy disease causing germs including viruses, bacteria, fungi, protozoa and algae, effectively sterilizing and purifying air, water and surfaces.

THE BENEFITS OF UVGI TECHNOLOGY

-  Removes up to 99.9% of pathogens
-  Deactivates pathogens and viruses
-  Simple to install
-  Energy efficient

COMPLIANCE

UVGI ADVOCATED AND SUPPORTED BY



COMPLETE SERVICE PACKAGE

-  Design
-  Manufacture
-  Maintain

TECHNICAL SPECIFICATION

Electrical Supply
220-240_v
SINGLE PHASE

Power Consumption
280_w
MAXIMUM

Area Capacity
35_{SQM}
5 CHANGES PER HOUR

Maximum Airflow
450_{M³/HR}

Weight
24_{KG}
APPROX

DIMENSIONS W **595mm** x H **595mm** x D **300mm**



We use tried and tested UV-C technology, after extensive research and development Purified Air are able to devise the best combination of lamps to provide the most effective control.

Ultra-Violet band C light is the most powerful of the three bands, it is a very strong oxidant and as such exposure to UV-C light is dangerous. To ensure safety the UV-C lamps are secured behind a locked panel and the system has been engineered to shut down automatically when this panel is unlocked.

SAFE
BY DESIGN

CIBSE
RECOGNISED

CIBSE recognise that special UV treatment is efficient for deactivating and killing virus but note that these systems are only normally applied in medical applications. Our focus is to be able to provide cost effective system for commercial applications.

UVGI PERFORMANCE
TESTED AND VERIFIED

University of
Kent



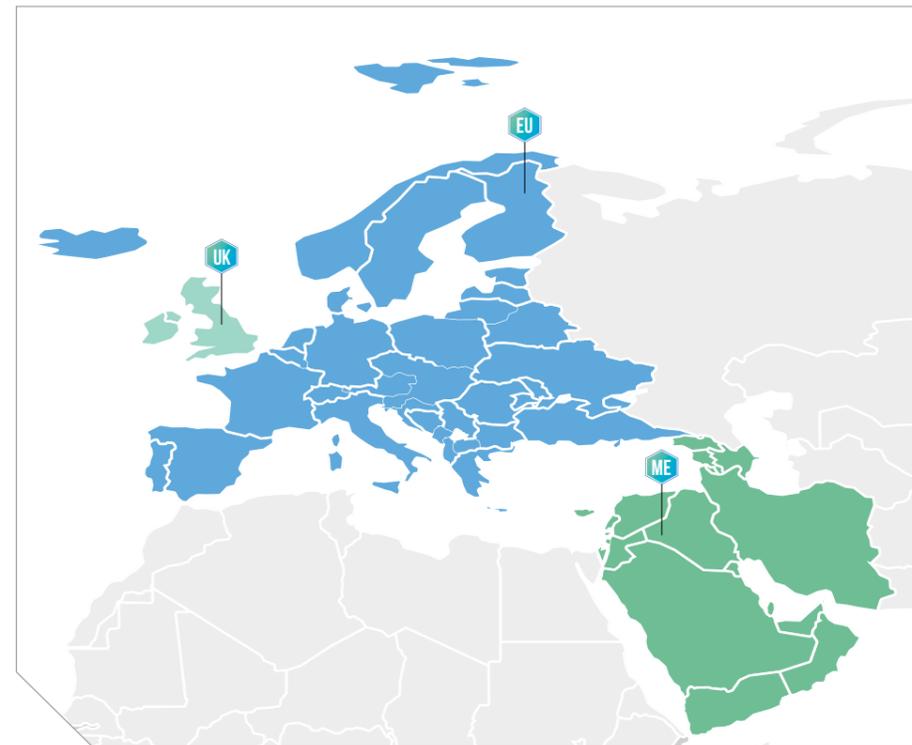
ABOUT US

Purified Air has been delivering cleaner, safer environments for clients since 1984. Now, the challenge has never been more significant. We have been developing and extending our range of UVGI products to help control pollution, including coronavirus.

Together with our market-leading odour filtration systems, Purified Air currently supplies systems to many sectoral brands. We provide bespoke in-duct and mobile air purification systems for office, commercial and education environments. By working with these variables, we can design and supply some of the world's best virus control and filtration systems.

INTERNATIONAL COVERAGE

- ▶ United Kingdom
- ▶ Middle East
- ▶ Europe



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