

FAN COIL MOUNTED

UVGI 2L/4L AIR PURIFIER

Version 1.0

purified[®]air

INDOOR AIR QUALITY VIRUS CONTROL AND FILTRATION EXPERTS

Purified Air has been delivering cleaner, safer environments for clients since 1984. Now in 2021, 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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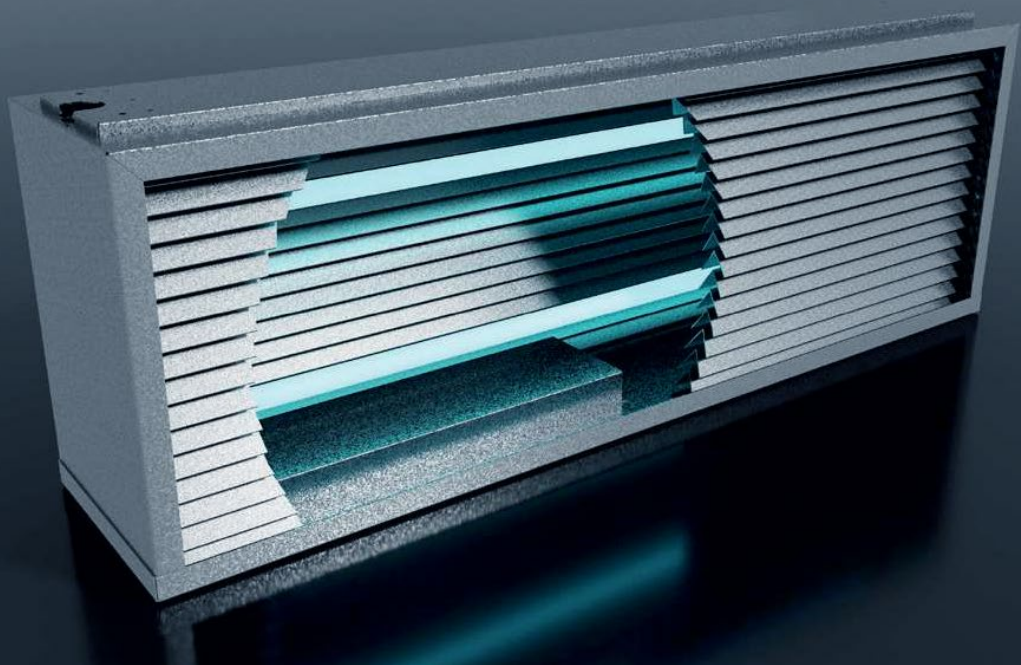
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FAN COIL MOUNTED AIR PURIFIER



Our UVGI range has a destructive effect with micro-organisms such as viruses and bacteria. SARS-CoV-2, the virus responsible for Covid-19, can be inactivated by exposure to UVGI.

KEY FEATURES

- High efficiency technology
- Kill rate up to 99% effective
- Can be retro-fitted to an existing fan coil
- Easily integrated into new HVAC system design

UVGI TECHNOLOGY

The Fan Coil UVGI 2L & 4L use UV-C technology to irradiate virus and bacteria. The unit can be located in line with a new or existing fan coil unit as part of the room air distribution.

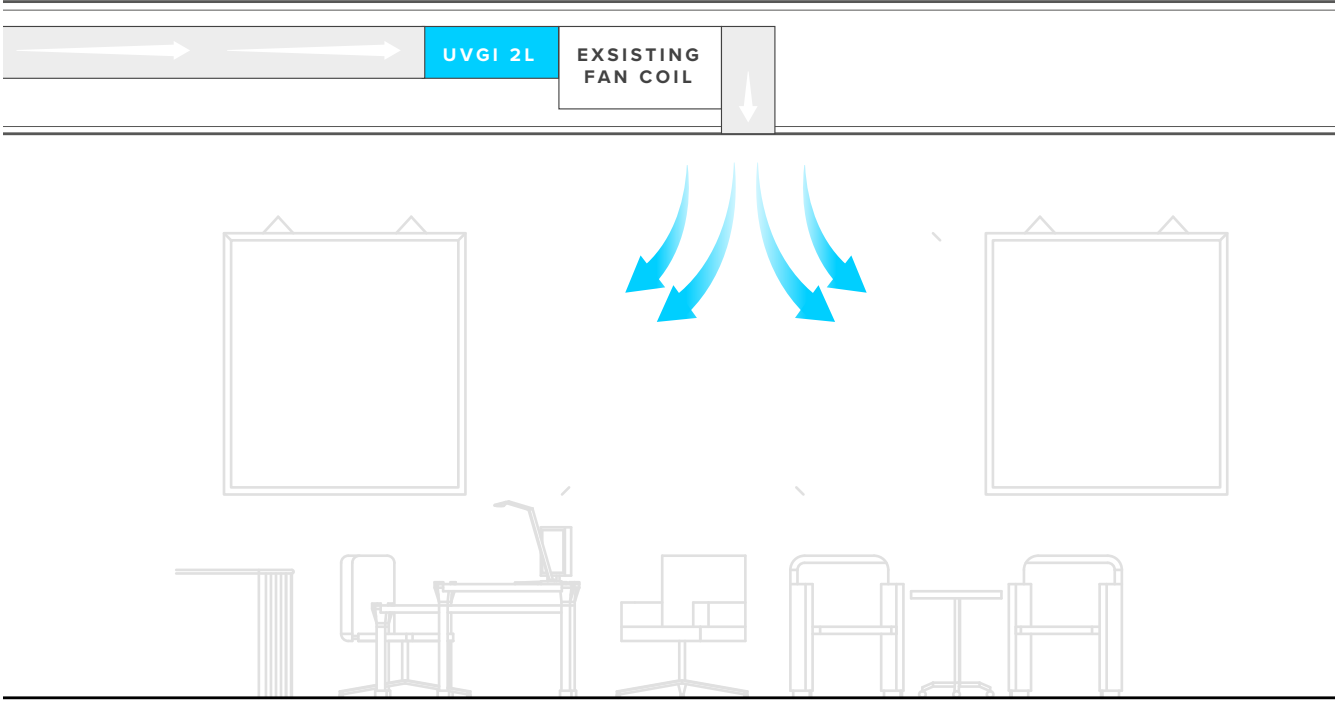
Each individual unit sits directly in the air stream and features either 2 or 4 high output UV-C lamps. UVGI inactivates micro-organisms by attacking their DNA, permanently destroying and altering the molecular structure, leaving them unable to replicate or grow. Ultraviolet (UV) light is measured in 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 microorganisms in the air and on surfaces.

FAN COIL UVGI 2L & 4L:

Our technology incorporates:

- Handling of up to 0.4m³/sec of air flow.
- Adapter and installation kits available for most popular brands of FCU.
- UVGI delivered by two or four high output UV-C lamps.

HOW IT WORKS



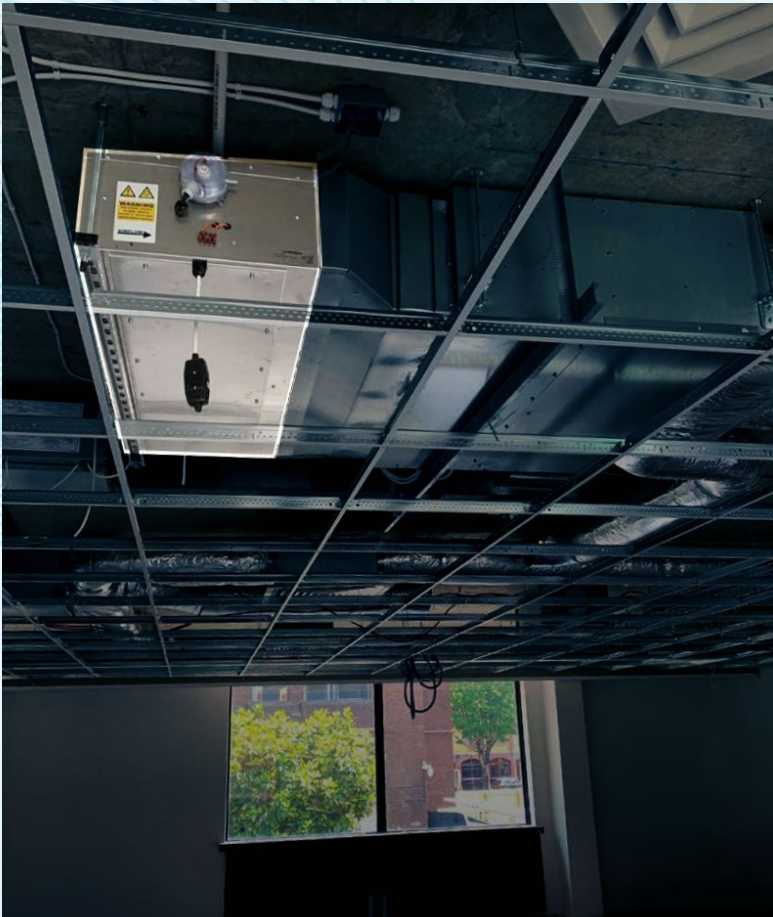
OUR LAMPS

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.

UV-C disinfection targets the nucleic acid of these harmful cells, rearranging the genetic information, or DNA, and rendering them harmless. As the UV-C radiation is absorbed into the cells they become unable to reproduce or multiply to infectious numbers and are considered inactive or dead.

THE BENEFITS OF UVGI TECHNOLOGY

- Eliminates up to 99% of particles
- Deactivates pathogens and viruses
- Modular design
- Energy efficient
- Concealed overhead unit
- Takes up no floor space
- Easily retro-fit to existing system
- Competitive Cost / High availability

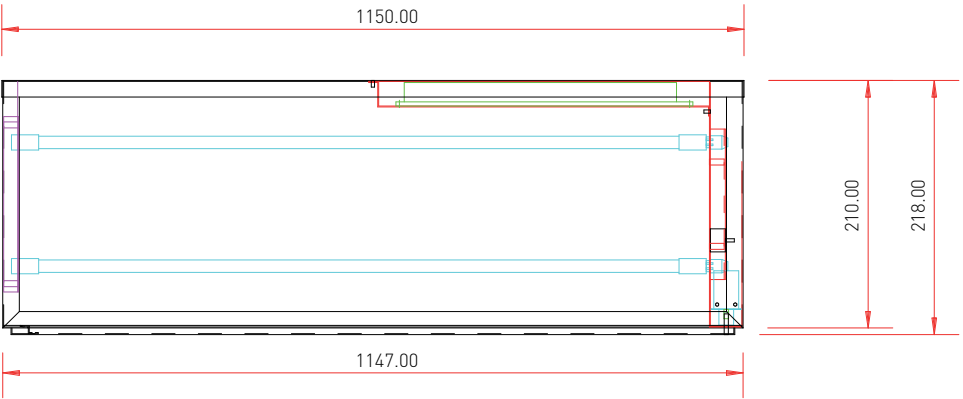


INSTALL SHOTS | CATA Fit-out, London

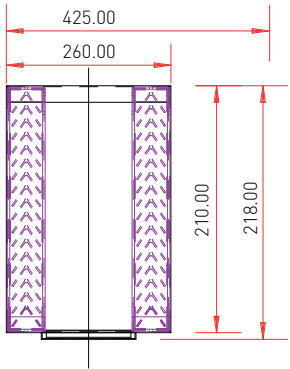
TECHNICAL SPECIFICATION

	Fan Coil UVGI 2L	Fan Coil UVGI 4L
Supply	220-240 _v	220-240 _v
Power Consumption	130 _w	260 _w
Maximum Airflow	0.2 _{m³/SEC} (UP TO)	0.4 _{m³/SEC} (UP TO)
Dimensions (mm)	W 1150 H 218 D 260	W 1150 H 218 D 425
Weight	12 _{KG} (APPROX)	20 _{KG} (APPROX)

SIDE



TOP



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 locked panels and the system has been engineered to shut down automatically when these panels are unlocked.

The unit is screened on both sides using our unique light baffle design to ensure no transmission of direct light outside of the UVGI chamber. The UVGI 2L is a self-contained system which can be easily added to an existing or new installation without the installer needing to worry about additional safety precautions.

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.

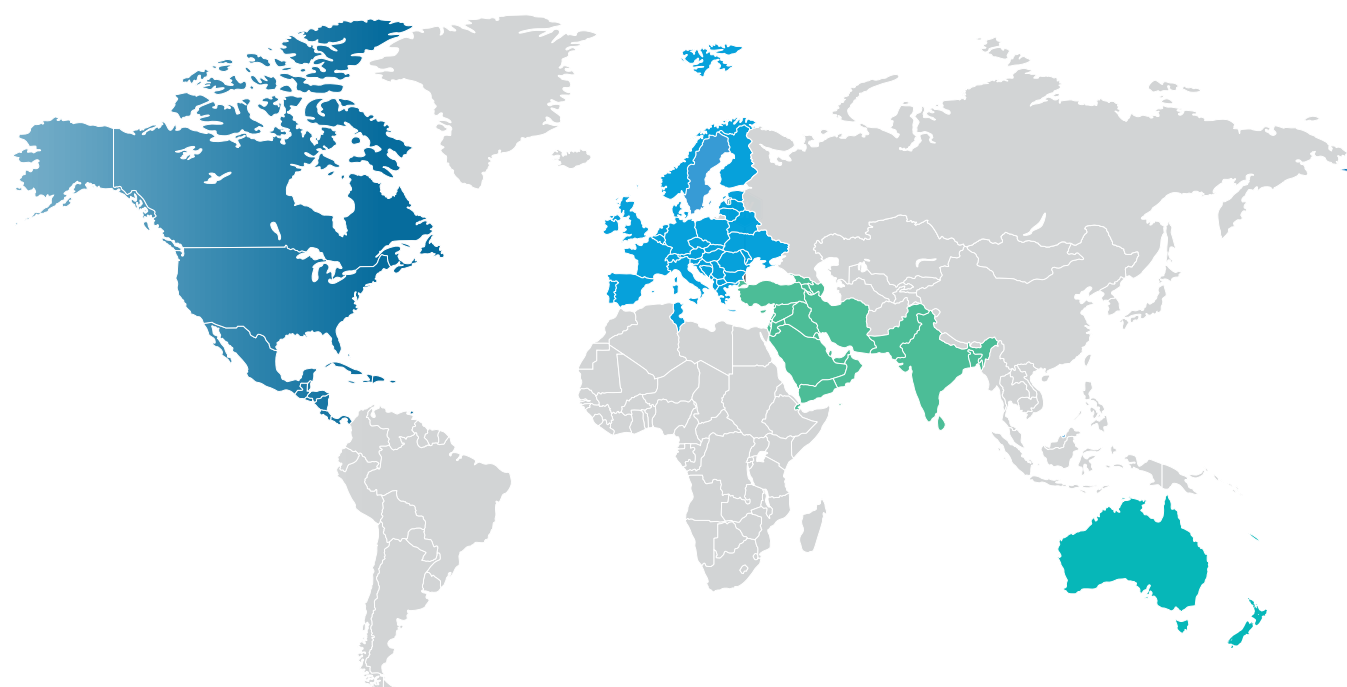
ABOUT US

Purified Air has been delivering cleaner, safer environments for clients since 1984. Now in 2020, the challenge has never been more significant. We have been developing and extending our range of UVGI products to help control pollution, including coronavirus.

In partnership 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.

WORLDWIDE COVERAGE

- United Kingdom
- Middle East
- Europe
- North America
- Asia
- Australasia



GET IN TOUCH

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