

UVGI



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 UVC wavelength within the range of 100 nanometer (nm) to 280 nm emitting highly effective sterilization power. UVC germicidal wavelength at around 260nm is the most effective to kill harmful microorganisms in the air and on surfaces.

UVGI Range

Our UVGI range has a lethal 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.

Each individual unit sits directly in the air stream and can feature from 8 to 24 high output UV-C lamps supplied in modules of 8. The number of modules specified will be dependent on the air volume which will dictate the amount of irradiation needed. UVGI inactivates micro-organisms by attacking their DNA, permanently destroying and altering the molecular structure, leaving them unable to replicate or grow.

OUR UVGI RANGE 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.

UVGI RANGE

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UVGI 1500

Electrical Supply	220/240V 50Hz
Power Consumption *	560 Watts
Max Air Volume	up to 0.7m3/sec
Dimensions	W450mm
	H 630 mm
	D 640 mm
Weight	43Kg approx

UVGI 3000

Electrical Supply	220/240V 50Hz
Power Consumption *	560 to 1120 Watts
Max Air Volume	up to 1.4m ³ /sec
Dimensions	W900mm
	H 630 mm
	D 640 mm
Weight	66Kg approx

UVGI 4500

Electrical Supply	220/240V 50Hz
Power Consumption *	1120 to 1680 Watts
Max Air Volume	up to 2.1m ³ /sec
Dimensions	W1350mm
	H 630 mm
	D 640 mm
Weight	89Kg approx



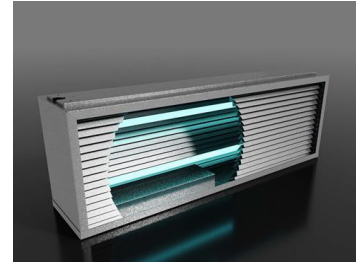
UVGI 1000

The UVGI 1000 uses UV-C technology to irradiate virus and bacteria. The unit can be located in line in a new or existing section of ducting as part of the room air distribution. It could also be used as a free standing unit, coupled with a fan, which could be moved from room to room

UVGI 1000

Electrical Supply	220/240V 50Hz
Power Consumption *	700 Watts
Max Air Volume	up to 1m ³ /sec
Dimensions	W 1568 mm
	H 350 mm
	D 363 mm
Weight	50Kg approx

Fan Coil UVGI 2L



Our UVGI range has a lethal 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.

The Fan Coil UVGI 2L uses 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 2 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.

KEY FEATURES

- High efficiency technology
- Kill rate up to 99% effective
- Can be retro-fitted to an existing fan coil
- Handling of up to 0.16 m³/sec of air flow
- Adapter and installation kits available for most popular brands of FCU.

Electrical Supply	220/240V 50Hz
Power Consumption *	130 Watts
Max Air Volume	up to 0.16m ³ /sec
Dimensions	H 900mm / W 300mm / D 200mm
Weight	12kg (APPROX)

VIU Range

Air Purifier & Virus Irradiation Unit (Dual Technology)

ESP Technology

Electrostatic filtration is a method of removing tiny particles from the air, the system works by applying a static charge of around 8000v to particles in the airstream. These particles are then attracted to collector plates which have the opposite electrical potential resulting in them being stripped from the air. Filtration capacity is at a very high efficiency (up to 99%) even with sub-micron sized contaminants such as virus and bacteria.

The filter components used are metal and can be cleaned so there is no filter replacement necessary. A further advantage is that using static force to filter the contaminants provides a very low resistance to the airstream which enables better overall performance.

UVGI Technology

UVGI inactivates micro-organisms by attacking their DNA, permanently destroying and altering the molecular structure, leaving them unable to replicate or grow.

KEY FEATURES

- Dual Technology
- Electrostatic Filtration – UVGI Irradiation
- Highly efficient
- Non Ozone producing lamps

VIU 1000

Designed to be installed in offices, gyms and other commercial premises to remove airborne particles and help to destroy viruses including Coronavirus.



Electrical Supply	220/240V 50Hz
Power Consumption	
Air purified section	40 Watts
UVGI section	70 Watts per lamp (max 560 Watts)
Area Capacity	120sq metres
Dimensions	W 2420mm
	H 560 mm
	D 388 mm
Weight	70Kg approx

VIU Mobile

A practical but aesthetic sterilisation unit suitable for both commercial and medical applications to remove airborne particles and help to destroy viruses including Coronavirus.



Electrical Supply	220/240V 50Hz
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Power Consumption	200 Watts maximum
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Area Capacity	80sq metres
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Dimensions	W 600 mm
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H 900 mm

D 600 mm

Weight	25Kg approx
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Maximum Airflow	850m ³ /hr
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