



 SPC



BioGrid UV Air Steriliser

Fitted with a Philips UVC
high output 35W lamp

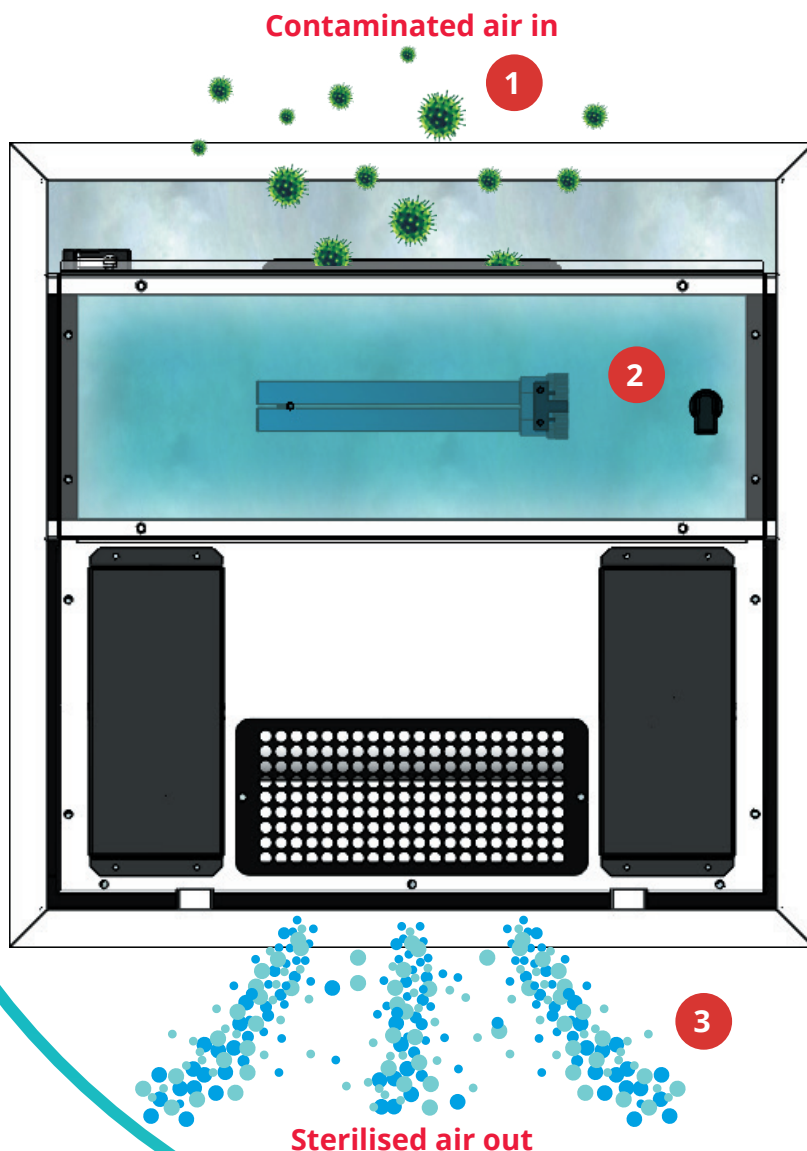


What is the BioGrid UV Air Steriliser?

The BioGrid UV Air Steriliser is an air sterilisation unit that uses germicidal radiation to disrupt the nucleic acid of bacteria or viruses to render them incapable of reproduction. A 35W UV Philips lamp is used, which emits at a wavelength of 254nm, whilst generating no ozone, unlike competing units.

The BioGrid UV Air Steriliser is intended for installation within a 600x600 suspended ceiling. The unit sits within the suspended ceiling with only the white hinged egg-crate grille visible from underneath. Units can also be successfully installed in or above plasterboard ceilings.

How does BioGrid UV Air Steriliser work?



- 1 Contaminated air is drawn into the unit by the fan
- 2 The air is then sterilised, using germicidal radiation, inside the activation chamber to neutralise airborne bacteria and viruses
- 3 The sterilised air is then blown out of the unit into the area below

Purpose and safety?

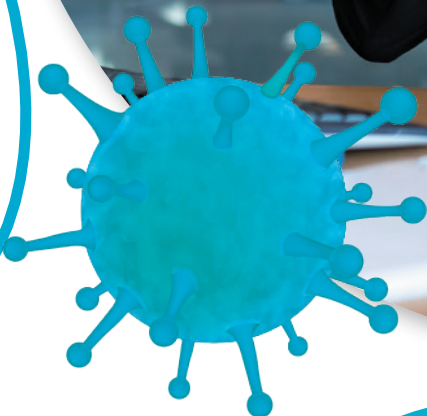
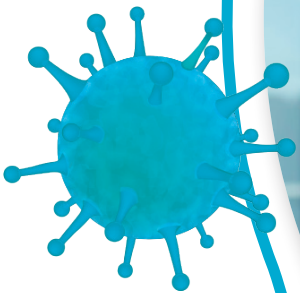
Installation of the BioGrid UV Air Steriliser unit will reduce the concentration of harmful viruses and bacteria, including Covid, within a space without the need to leave windows permanently open and suffer high energy losses.

The unit is inherently safe including microswitches to de-energise the UV lamp whenever any panels are opened. Lamps are rated for up to 2 years continuous use and should be replaced after such time in order to regenerate the unit's effectiveness.

- Fitted with an EC motor driven fan
- Whisper quiet in operation
- Single unit can treat floor areas of up to 100m²

Features:

- Destroys biological contaminants such as mould, bacteria, viruses, germs, allergens
- 225mm pure fused quartz UVC lamp
 - High-output ballast
 - Patented design & Philips UVC lamp technology
 - 2 year warranty
- Integral EC Motor/Fan



Technical specification

Power Supply	230V/1Ph/50Hz
UV Lamp Type	225mm mercury vapour quartz
UV Lamp Length	225mm
UV Wavelength	254 nm
Lamp power draw	35W
Ballast Type	Electronic
Fan Type	Double inlet forward curved
Motor Type	EC
Speed Control	Potentiometer
Nominal Airflow	110L/s
Nominal Fan Motor Power Draw	15W
Overall Dimension*	597 (L) x 597 (W) x 300 (D)
Weight*	18kg

*All dimensions and weights are given including unit case and grille
*Grille is hinged; egg-crate style core

Typical applications:

- Office spaces
- Nursing/care facilities
- Nurseries, schools, colleges, universities
- Reception areas
- Medical offices
- Waiting rooms

Or any area which would benefit from increased sterilisation without the need to introduce excessive outside air.



To enquire about using BioGrid UV Air sterilisation in your project, contact us on **0116 249 0044** or email **spc@spc-hvac.co.uk**

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