

RAYVent

SARS-CoV-2
TESTED

UV-C & HEPA
Medical Grade
Air Sterilisation

Suitable for:

- Clubs
- Offices
- Schools
- Universities
- Waiting Rooms
- Meeting Rooms
- Social Spaces
- Restaurants
- Hospitality
- Retail

Technical Brochure

RV150 Portable unit - 150m²

RV90 Portable unit - 90m²

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PACKAGED ENERGY SOLUTIONS

Solution Features

TRIPLE ACTING MOBILE AIR STERILISATION

Cleans and
circulates air up
to 8 times an hour



Sterilised Clean Air Solution

Using the 'multiple barrier' approach our RayVent air steriliser units feature Medical grade HEPA14 & HEPA13 filters, to capture 99.97% of particulates down to 0.1 microns (size range of Covid-19 virus).

The units are designed for commercial use and incorporate an Ultraviolet Germicidal Irradiation Chamber (UVGI) using UV-C light.

UV-C light ruptures, disrupts and destroys the RNA / DNA of bacteria, viruses, fungi and micro organisms, resulting in clean sterilised air.

Features Summary



	Medical Grade HEPA 13 & 14 filters	Medical Grade HEPA 13 & 14 filters are the biggest available on the market.
	Air Purity Display & Sensors	RV90 & RV150 have digital PM2.5 air quality display with automatic sensors, filter condition indication.
	UVGI Technology	Ultraviolet Germicidal Irradiation sterilises your air.
	Engineer Support	All our machines are available with a maintenance + servicing contract for the life of the lease.
	Designed for wide range of applications	Designed for commercial use. Standard 2 Year Warranty.
	Quiet	Our CADR is calculated at lowest fan setting ensuring quiet running and 'Peace of mind'.
	Air Flow Predictive Firmware	Decision making, fully supported by our 'Air flow and Sterilised air coverage' firmware.
	Remote Control Option	Supplied with handheld remote control.
	RV150-UV 150m² Coverage	Delivers 8 Air changes per hour in 150m ² and up to 16 air changes in 75m ² .
	RV90-UV 90m² Coverage	Delivers 8 Air changes per hour in 90m ² and up to 16 air changes in 45m ² .



Fast Air Purification



Kills 99.99% of Viruses



Cross Infection Certified



Dual Technology Filters



Quiet



Certified

Benefits

Clean air in three stages

- Filtration
- Purification
- Sterilisation

Certified

Controlled testing to evaluate the efficacy of the removal of airborne Bacteriophage MS2, a surrogate for SARS-CoV-2

Test Results

When challenged with airborne SARS-CoV-2 phage MS2, both units resulted in a greater than **99.99%** reduction of the virus in under **60** minutes



Technical Specifications



Model	RV90	RV150
Electrical Supply	220-240v single phase – 13amp Plug	220-240v single phase – 13amp Plug
Power Consumption	100 Watts	140 Watts
Dimensions	W: 490mm H: 729mm D: 244mm	W: 575mm H: 1325mm D: 325mm
Weight	17.0kg	43.5kg
Remote Control	Hand Held Remote & App enabled	Hand Held Remote & App enabled
Coverage (2.8m ceiling height)	90 m ²	150 m ²
Noise	Speed 1-2 (25dB) Max Speed (65dB)	Speed 1-2 (25dB) Max Speed (65dB)
Filters	HEPA 13 PM2.5 99.97% efficiency @0.3µm	HEPA 14 PM2.5 99.97% efficiency @0.3µm
UVGI Technology	UV-C Lamps 30W (2 x 15W)	UV-C Lamps 30W (2 x 15W)
Airflow	720m ³ per hour (8 air changes in 90m ²)	1200m ³ per hour (8 air changes in 150m ²)
24hr Use	Auto Night Setting	Auto Night Setting
Air Purity Indicator	PM2.5-Particle sensor to adjust fan speed	PM2.5-Particle sensor to adjust fan speed

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