React-Air X

Commercial Airborne Pathogen Neutraliser

Reaction Group

T. 0203 885 2299

www.reaction-grp.com

Poundbury House | Poundbury West Industrial Estate | Dorchester | Dorset | DT1 2PG

React-Air X

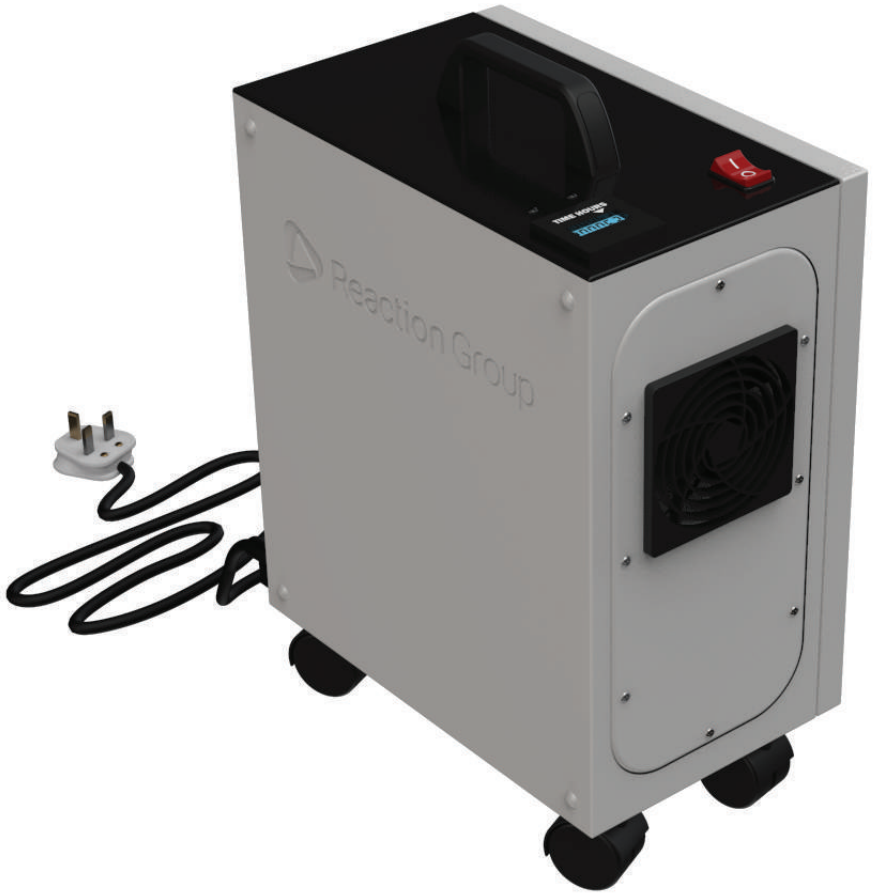
Professional Portable Air Sanitisation

The Clean Air Solution for Commercial Environments

The React-Air One, is a portable air sanitiser, designed for use in tough commercial environments. Using a unique UV-C light array, the powerful fans drive the airflow through the decontamination chamber, neutralising bacteria, viruses, pollen and odours, delivering clean and sterile air to a room.

UV-C technology has been used for many years to sterilise hospitals, operating theatres and surgical instruments.

When placed in a room with an airborne viral or bacterial risk, the RAX circulates the air up to 30 times per hour.
It's quiet operation, portable design and high-powered UV-C technology is the perfect combination for intermittent or constant use within heavy duty, commercial environments.



What is UV-C?

The Technology Explained

What is UV-C?

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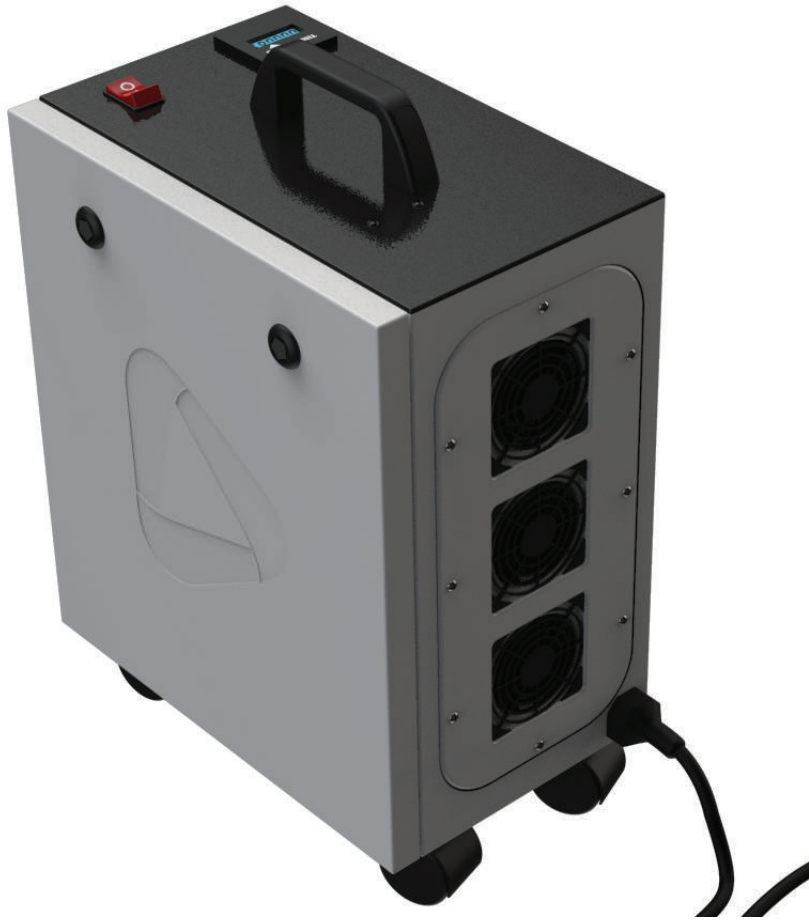
How Can the React-Air X Help Beat Viruses?

The three main types of UV rays are UVA, UVB, and UVC. Because UV-C rays have the shortest wavelength, and therefore highest energy, they are capable of killing bacteria and viruses, also called pathogens. UVC light has a wavelength of between 200 and 400 nanometers (nm). It is highly effective at decontamination because it destroys the molecular bonds that hold together the DNA of viruses and bacteria, including "superbugs" which have developed a stronger resistance to antibiotics.

Powerful UV-C light has been regularly used to decontaminate surgical tools and hospital rooms. A study that included 21,000 patients [(1)] who stayed overnight in a room where someone had been previously treated found that sanitizing a hospital room with UV-C light in addition to traditional methods of cleaning cut transmission of drug-resistant bacteria by 30%. This is partly because UVC light can effectively sanitize hard-to-clean nooks and crannies. UV-C light also works by destroying the DNA of pathogens, which makes it effective against "superbugs."



Coronavirus (Covid-19)

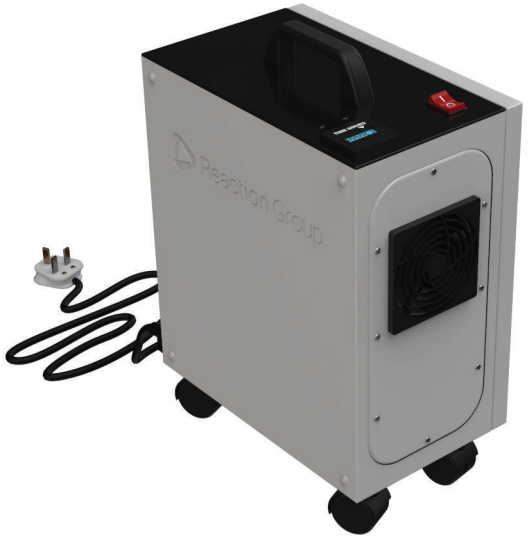
The Fight for Cleaner Air

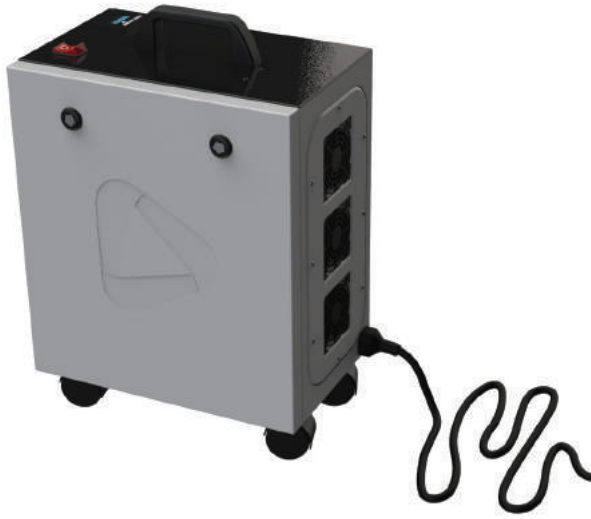
Coronavirus (Covid-19)

Will the React-Air X neutralise new viruses, like Covid-19?

Though there hasn't been any research looking at how UV-C affects Covid-19 specifically, studies have shown that it can be used against other coronaviruses, such as SARS. The radiation warps the structure of their genetic material and prevents the viral particles from making more copies of themselves.

As a result, UVC is now on the front line in the fight against Covid-19. In China, whole buses are being lit up by UV-C, while squat, UVC-emitting robots have been cleaning floors in hospitals. Banks have even been using the light to disinfect their money.





Specifications

Voltage	110V-240V AC
Wattage	100W
Dimensions	400 X 450 X 250 mm
Weight	5.2 Kg
Lamp Lifetime	6000 hours
Noise Level	40db
Servicing	Every 12 months or 6000 hours of use

For more information on purchase and hire, call 0203 885 2299

Ref (1) 1. Duke University School of Medicine: https://medicine.duke.edu/medicinenews/duke-study-finds-uv-light-can-aid-hospitals-fight-wipe-out-drug-resistant-superbugs

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