React-Air Induct

Airborne Pathogen Neutraliser

Reaction Group

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

React-Air Induct

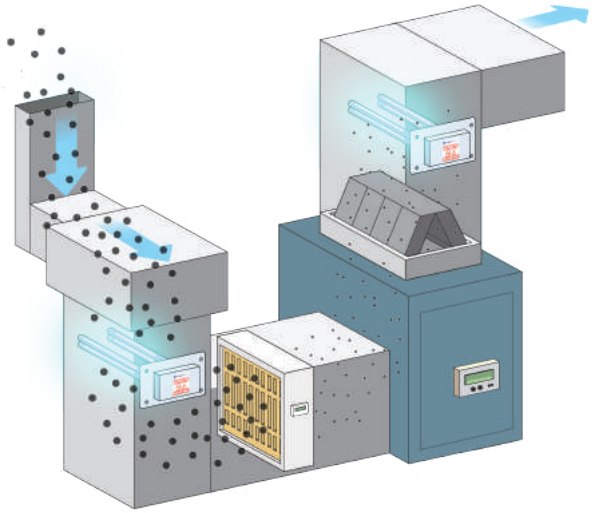
Powerful viral and bacterial protection with real-time data monitoring across multiple sites...

Our unique Induct system combines powerful pathogen-neutralising UV-C germicidal technology with measurement data and tools that ensures the air your breath is protected from bacteria and virus risk.

The React-Air Induct system uses Pure Germicidal Light and includes four High-Intensity Pure Fused Quartz UVC Germicidal Lamps which allow air to flow through them, destroying 99.9% of biological contaminants, and will prevent them from ever growing again and spreading.

Real-Time Information

The React-Air Induct is the only UV germicidal lamp that simultaneously monitors lamp brightness, air-flow and air quality and then feeds this information directly back to a base station, so the performance of the system can be monitored from either our 'React-Air' mobile app or our online web-based platform for both individual and multiple sites.
This functionality ensures optimal performance combined with real-time information to keep your buildings safe.



Design and Installation

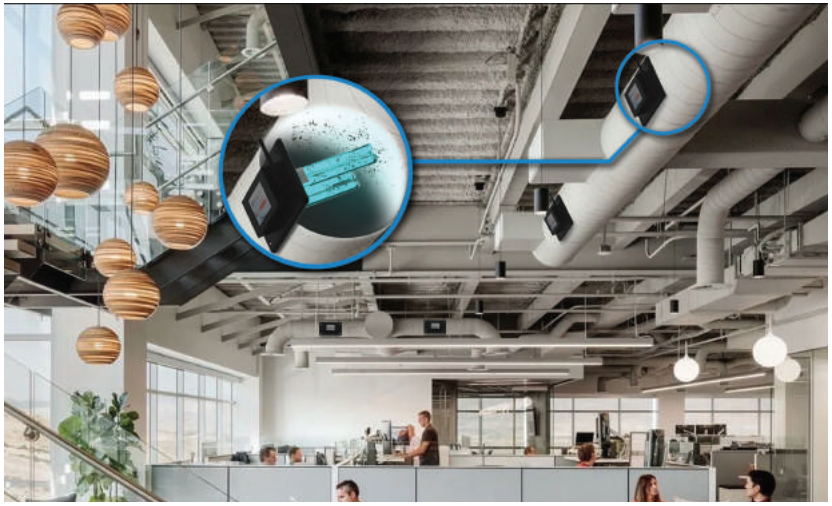
Bespoke design ensures optimal results

Bespoke Installation

Installation into your existing Air Handling System

The React-Air induct system is installed into your existing Air Handling infrastructure. Our installation team designs the correct placement of the Induct units. The Induct can be installed into all types of AHUs and comes in a variety of sizes and colours for environments where aesthetics are key. Our qualified electrical team undertakes installation to British Standards which ensures that the Induct system always functions correctly.

The discrete base station is located centrally and your data is synced with the cloud allowing for data to be viewed either on our React-Air phone app for Android or iOS, and our online web portal allows facilities managers to view multiple site data in real-time, and receive alerts if any dangers are detected.



Real-Time Data

Reduce risk through measurement

Real Time Data

If you can measure it, you can manage it...

The React-Air monitoring system uses state-of-the-art measurement contained within the Induct device. Measurements are taken every 10 seconds to ascertain:

Lamp Function and Brightness

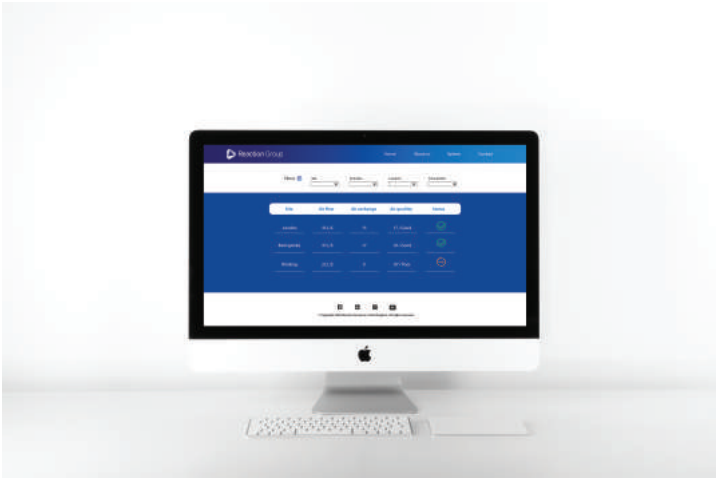
Over time, all UV Germicidal Lamps will lose brightness and the surfaces become contaminated by impurities in the air. Once this reaches a threshold, the in-built UV monitor alerts the user that a service is required.

Air Quality

The integrated air quality monitor measures air impurities down to 0.1um. Every 10 seconds, this information is recorded and sent back to the building's base unit to show real-time air quality information.

Air Flow

By constantly monitoring air-flow volume through each one of the Induct units, the React-Air system calculates the number of hourly, daily and weekly air exchanges in your building.



Coronavirus (Covid-19)

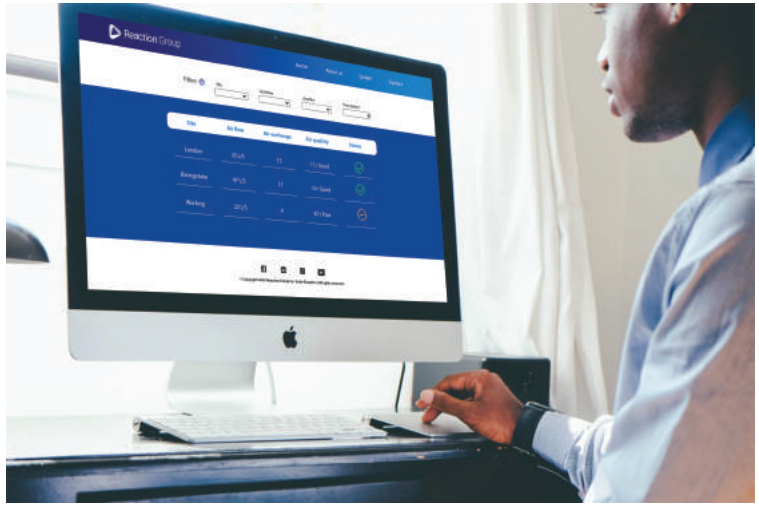
The Fight for Cleaner Air

Coronavirus (Covid-19)

Will the React-Air Induct 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 is highly effective 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, UV-C 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, UV-C emitting robots have been cleaning floors in hospitals. Banks have even been using the light to disinfect their money.



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 UV-C 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."

For more information, 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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