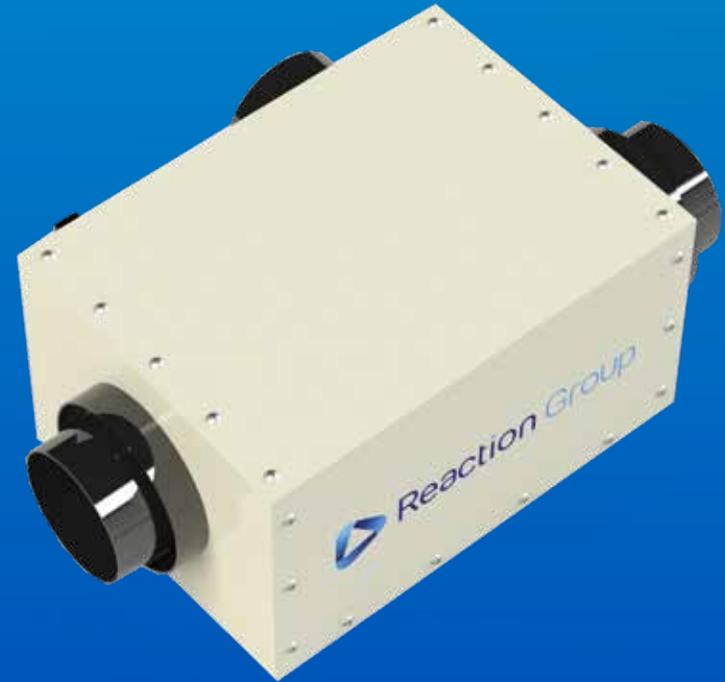


# REACT-AIR DELTA

Air Steriliser and  
Fresh Air Exchanger



T. 0203 885 2299

[www.reaction-grp.com](http://www.reaction-grp.com)

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

# React-Air Delta

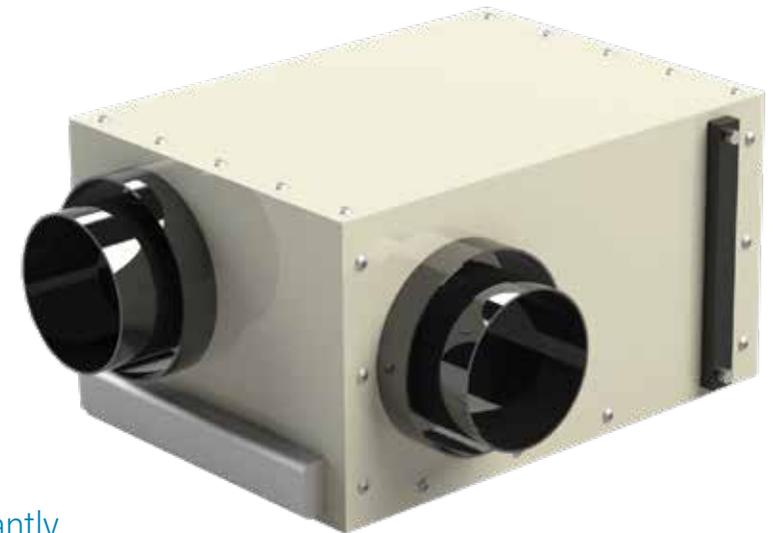


## Air Steriliser and Fresh Air Exchanger

As a result of the Covid-19 pandemic and growing evidence that the main form of transmission is airborne spread, facilities managers and government agencies are now looking to monitor and manage Carbon Dioxide levels within their buildings. Unfortunately, not all buildings have HVAC systems capable of performing the two critical steps of both monitoring Co2 or achieving the required level of fresh air exchange.

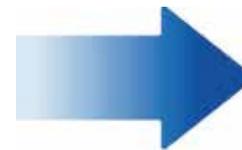
The React-Air Delta uses UVC and HEPA in its Destroyer Array, to constantly clean the air within your building. Simultaneously, the Delta monitors the Co2 levels within your environment. When levels exceed an upper limit (set by you) its quiet fans exchange old air from your room for fresh air from outside. This air is also filtered through the Destroyer Array to ensure that it is free from viral contaminants and pollution.

Whilst other HVAC systems may introduce a specific volume of fresh air into your space, the Delta ensures that your carbon dioxide levels remain low, whilst also constantly cleaning the air within your premises. For colder months, a heating element can be installed to warm the incoming fresh-air, so that your heating systems and general room temperature are not disrupted.



## Destroyer Array

The 3 Stage Process for Eliminating Covid-19



# Destroyer Array

The 3 Stage Process for Eliminating Covid-19

## 1. HEPA 13 Filtration

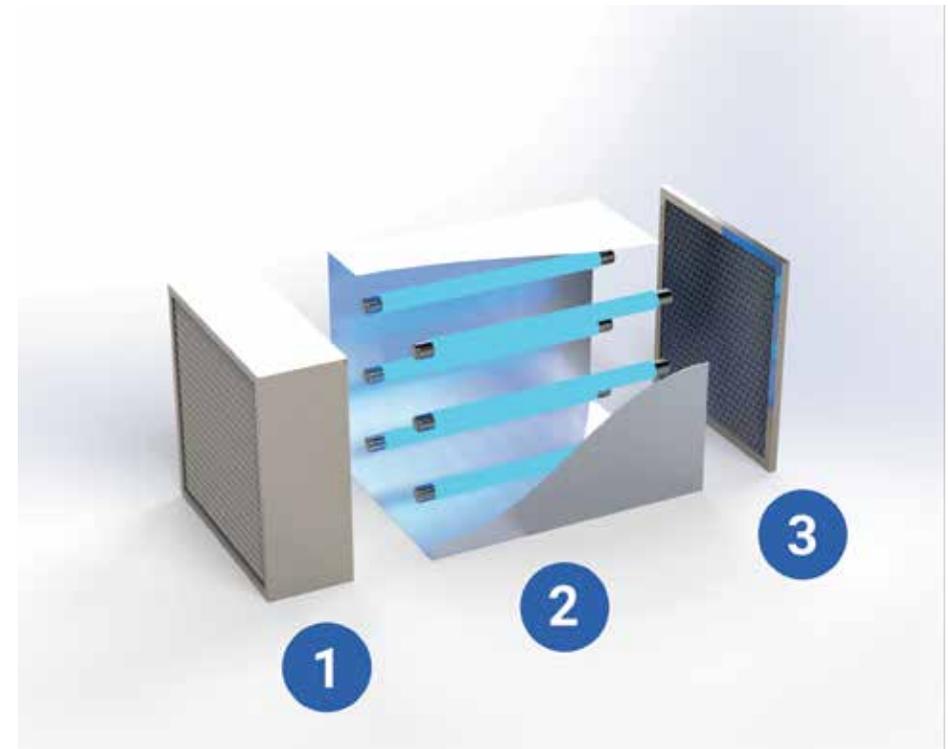
Using the React-Air's high-pressure fan, air is passed through a HEPA 13 filter to remove 80% of particles 0.3-1 microns. This process removes pollens, bacteria and viruses bonded to larger particles such as water droplets (the primary way Covid-19 spreads through airborne transmission).

## 2. Powerful UVC Array

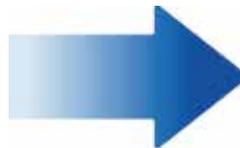
The filtered air is then passed through a UVC array, which delivers a dose of 250J/M<sup>3</sup> – enough to neutralise Covid-19 (67J/M<sup>3</sup> for one second of exposure according to studies). The effect of the UVC Array is intensified by its polished aluminium interior. UVC renders virus particles inert (sterile) by changing the molecular structure of the virus DNA.

## 3. Activated Carbon Filter

Finally, the air is passed through an activated carbon filter to remove any remaining odours. As well as removing any natural odours in the environment, the reaction between UVC and dust particles creates a mild, but for many people, unpleasant smell – all are removed with Activated Carbon.



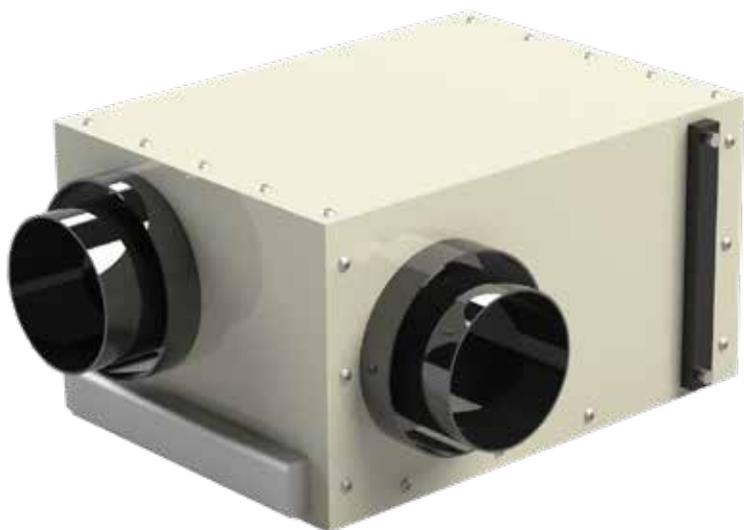
**Technical Specifications**



# Technical Specifications

React-Air Delta

Supply Voltage	230 volts
Noise Level	20 db
Fan Exchange/ Speed	450 M3/H
UVC Dose	177.53 JM3
Net Weight	15 kg
Dimensions	H1100 x D260 x W311 mm



For more information call 0203 885 2299



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