RVTGROUP

Call RVT to ensure your clients are protected from airborne contaminants

0808 178 3286

Quote '124' at point of enquiry to receive 1 week **FREE** hire

Clean Air is Essential in Healthcare Facilities

In order to protect healthcare professionals and their patients from contaminated air, treatment rooms, consultation rooms and waiting rooms need a constant flow of clean air.

Solution: Dustex Raptor

ONLY £40/wk

Click here to send an email enquiry

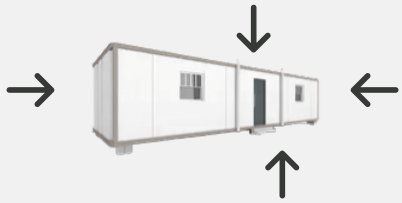
The Dustex Raptor is a portable HEPA filtration unit, that can be configured to either force in clean air, or extract out contaminated air.

Delivering up to 1000 m3/h of clean air, this unit is powerful enough to create a negative or positive pressure environment.

- Force clean air into waiting rooms
- Extract contaminated air out of wards
- Ideal for treatment and consultation rooms
- Ideal for reception areas
- Ideal for clinics, surgeries and dental practices

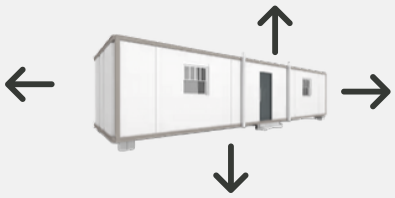
* Filters £160.00. Replace every 8 weeks.

What is Negative Pressure and Why Do We Need it?



Extracting air from an area creates lower pressure (weight) of air in that area. This means that air can flow into the room but cannot escape unless it is extracted.

What is Positive Pressure and Why Do We Need it?



Air is forced into an area faster than it can leave. This increases the pressure (weight) of air inside the room, meaning that unfiltered air cannot enter the room.

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Call us on
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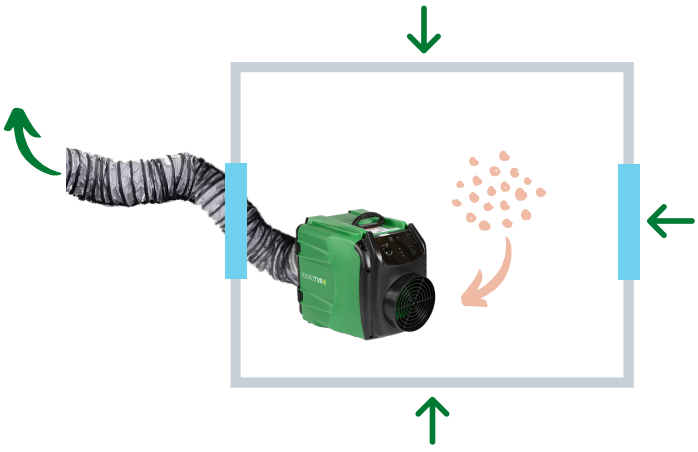
for a FREE consultation
and no-obligation quote

Guidance From Public Health England

"A single air change is estimated to remove 63% of airborne contaminants...
and after 5 air changes, less than 1% of the original airborne contamination is thought to remain."

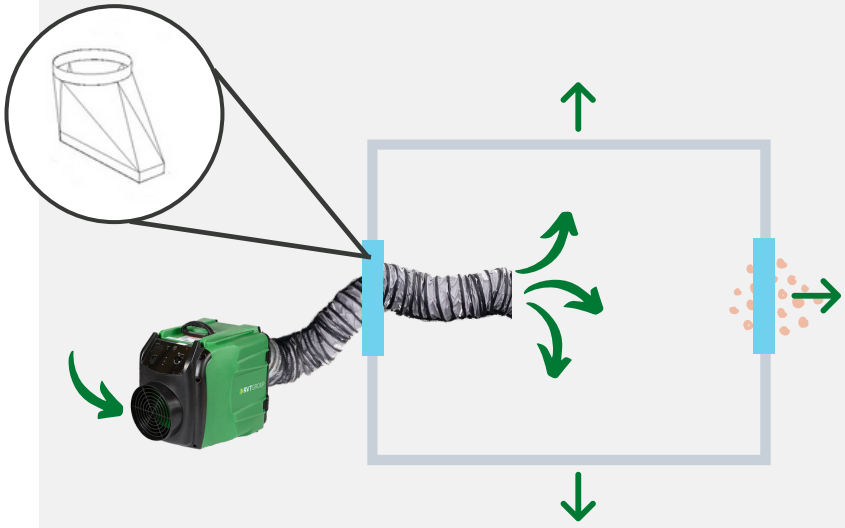
Source: Reducing the risk of transmission of COVID-19 in the hospital setting (Public Health England, 2020)

Setting up a Negative Pressure System



To create a negative pressure: Locate the Raptor within the internal space. Fix the 3m x 250mm flexible ducting to the unit. Feed the ducting out through a window; the fishtail can be used to reduce the window opening. When switched on, the Raptor will extract the contaminated air from inside the room and vent it outside the room. The high airflow will maintain a negative pressure environment.

Setting up a Positive Pressure System



To create a positive pressure: Locate the Raptor outside the internal space. Fix the 3m x 250mm flexible ducting to the unit. Feed the ducting in through a window; the fishtail can be used to reduce the opening. When switched on, the Raptor will force clean air into the room and force contaminated air out through windows and vents. The high airflow will maintain a positive pressure environment.

1 x RAPTOR will achieve up to 25 air changes per hour for a 40m³ area.
The more air changes achieved, the better the air quality will be.