



# Revolutionary Active Air Purification

## How can poor indoor air quality put your health at risk?

Breathing fresh air protects your health and improves almost every minute of every day. An active air purification system from *The Clean Air Company* uses proven technology to give you the cleanest air – without the use of harmful chemicals or energy consuming, high maintenance and often ineffective filters.

Most people spend over 90% of their time indoors. Unlike outdoor air pollution, nature cannot purify the air inside your building, so we have to give it a little help.

RGF®'s REME® and PHI-CELL® patented technologies reduce pollutants and microbes in the air and on surfaces, throughout any indoor environment in all types of air conditioning systems or inside the unique Airius fans. With RGF®'s proven and world leading active cleaning technology you will have peace of mind that you are providing the best possible indoor air quality for your family, employees and customers.



**Independently tested to inactivate 99.9% of SARS-CoV-2 in the air and on surfaces**

- ✓ 'Search and Destroy' Technology
- ✓ Removes contaminants at the source
- ✓ Easy to install & low maintenance
- ✓ Low cost & low energy use
- ✓ Air-conditioned and non-air-conditioned spaces

## Protection From



Viruses



Bacteria



Mould Spores



VOC's



Pollen



Dust



Dander



World leading active air purification technology, independently tested to inactivate 99.9% of known viruses including SARS-CoV-2 in the air and on surfaces

## RGF® Patented PHI Technology

- Photohydroionization® or PHI is a **patented** Indoor Air Quality (IAQ) technology suitable for both air-conditioned and non-air-conditioned spaces.
- The PHI-CELL® uses proven innovative technology with over **4 million units** in use in **over 60 countries**.
- PHI active air purification distributes aerosolised hydrogen peroxide throughout indoor spaces at low levels, similar to those **found in nature**, killing viruses, bacteria, mould spores and odours at the source.
- A **naturally occurring sanitiser** in our environment, hydrogen peroxide is incredibly effective at reducing contaminants inside, just as it is outside.



## How does it work?

- The PHI Cell® produces a Photohydroionization® advanced oxidation process.
- This is a simple oxidation reaction that changes water molecules (H<sub>2</sub>O) into large numbers of active molecules of Hydrogen Peroxide.
- Molecules of Hydrogen Peroxide that are suspended in air are highly effective at inactivating single cell organisms by bonding to them, breaking down their molecular structure and rendering the cells back to inert oxygen and hydrogen.
- In addition, molecules of Hydrogen Peroxide fall out of the air and effectively reduce surface contamination.
- Hydrogen Peroxide molecules also reduce volatile organic compounds and odours in treated spaces.

## Improve your air, improve your life



1

Breathing fresh air protects your health



2

Actively seeks and destroys contaminants in the air and on surfaces



3

Increased productivity



4

Creates a fresh, healthy feeling indoor environment



5

Significantly reduces the risk of virus transmission and bacteria etc



6

Reduced absenteeism in workplaces and schools



7

Ensures your environment is clean and healthy 24/7



8

Low energy with minimal impact on your energy bill

**Inactivates 99.9% of known viruses including SARS-CoV-2**