

Airflow introduces **HYGiEiA**™

A new addition to our Mechanical Heat Recovery units (Bi-polar ionisation)

DESTROY THE AIRBORNE CONTAMINATES IN YOUR HOME

Key features of Hygieia

- Up to 95% bacteria and virus reduction
- 98% total VOC reduction
- Clears the air of dust and particles
- Neutralises odours
- Silent running, energy efficient
- Outperforms PCO (Photo-Catalytic Oxidation), UV (Ultra-Violet) and HEPA (High Efficiency Particulate) filters



It removes:

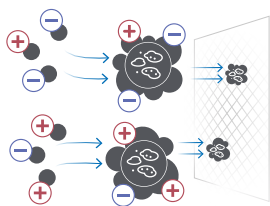


How does it work

These devices produce millions of positively and negatively charged oxygen ions which travel through the duct system and into the occupied space.

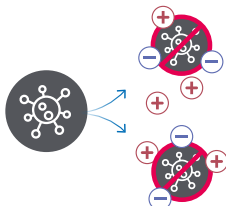
The negative oxygen ions contain an extra electron while the positive ones are missing an electron

resulting in an unstable condition. To restabilise, these bipolar ions seek out atoms and molecules in the air to trade electrons with, effectively neutralising particulate matter, bacteria and virus cells, odorous gases and aerosols, and VOCs.



PARTICULATE

Airborne particles, such as smoke, dust, pollen and spores are charged by the ions through ionic bonding. These charged particles stick together increasing their size allowing them to be easily removed by low grade filters.



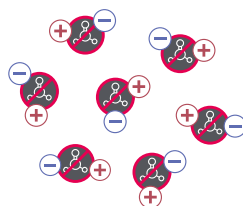
BACTERIA & VIRUSES

As they divide to reproduce, bacteria and virus cells bond with oxygen ions and are destroyed.



ODOROUS GASES

Odorous gases and aerosols oxidize on contact with oxygen ions and are neutralised.



VOLATILE ORGANIC COMPOUNDS

Oxygen ions cause a chemical reaction with VOCs breaking down their molecular structure.

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AIRFLOW

