

Smart Air Systems

We create a safe indoor
environment from mould

ArcAirTech.
Leaders in Air Technology

www.arcairtech.com



Key Benefits

✔ Provide a response within **14 days**

- Our fast acting portable air systems is capable of eliminating up to 99.9% of mould spores within 24 hours.

✔ Reduce need for tenant decant

- Our portable unit provides a rapid response solution in creating a safe indoor environment. Therefore tenants can continue to live in their home whilst the property is surveyed and remedial work is scheduled.

✔ Eliminate up to **99.9%** of mould spores

- Our nature based patented technologies are designed to eliminate up to 99.9% of surface and airborne mould spores.

✔ Save time and maintenance cost

- After initial cosmetic repairs are carried out, our technology will keep mould at bay.

✔ Control humidity levels

- Our technology's chemistry process utilises moisture as a positive by converting water vapour into active cleaning agents known as hydroxyls (H2O2).
- Meaning the more moisture present, the more effective the technology.

✔ Stop mould from reforming

- With our fixed unit running and maintained, its active technology will stop any new mould spores being able to colonise - preventing or heavily delaying their visible return on surfaces.

✔ Eliminate up to 99.9% of other harmful **Contaminants**

- Our patented technologies working together are capable of eliminating up to 99.9% of Odours, Viruses, Pathogens, TVOC's, HCHO Formaldehyde, Allergens and Other Respirable Particulates.

✔ A **Whole Home** Solution

- Active technology seeks and eliminates airborne & surface contaminants throughout a property. One of our portable units is can cover a property of up to 1500 sqft

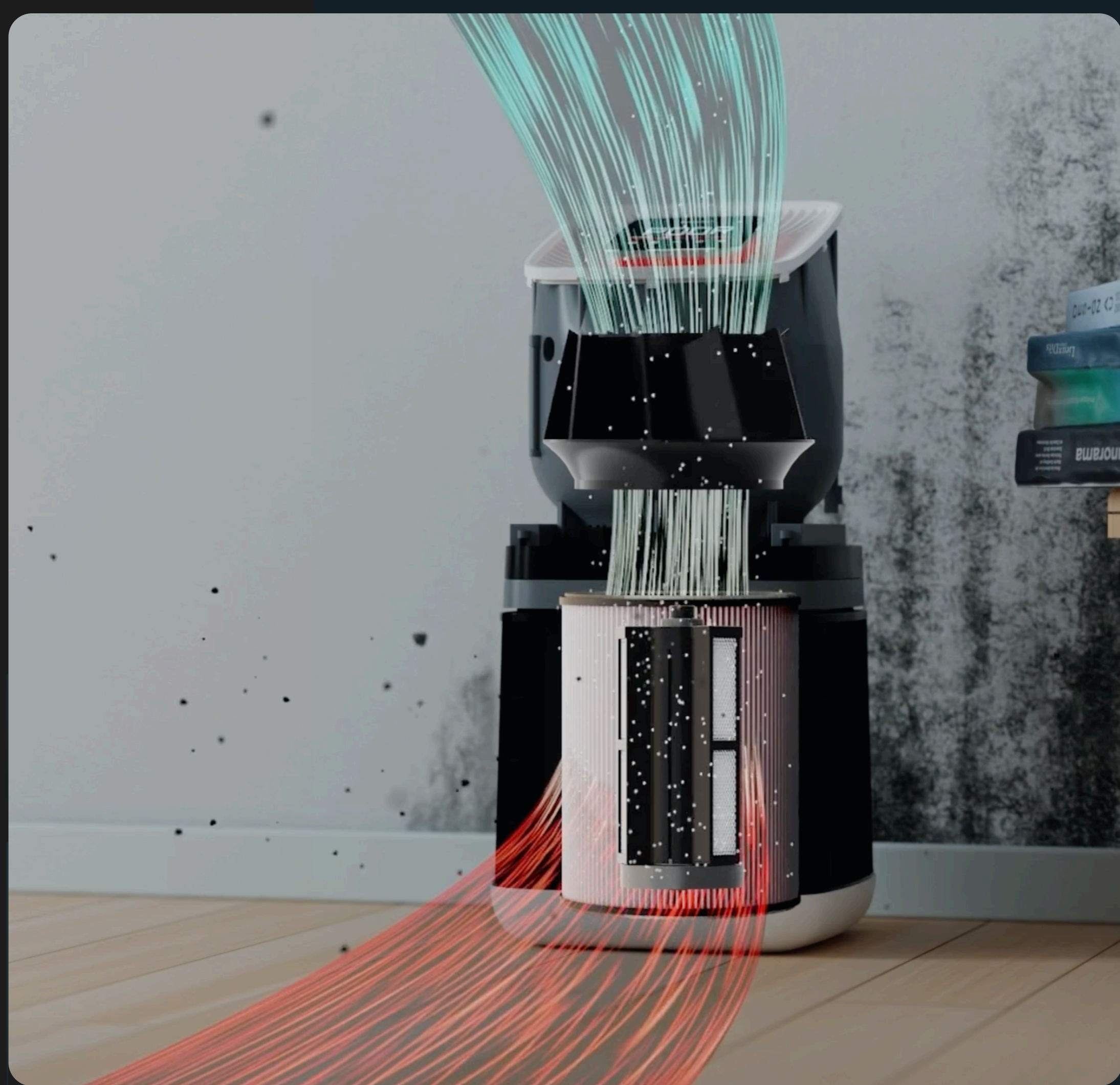
✔ **Energy-efficient**

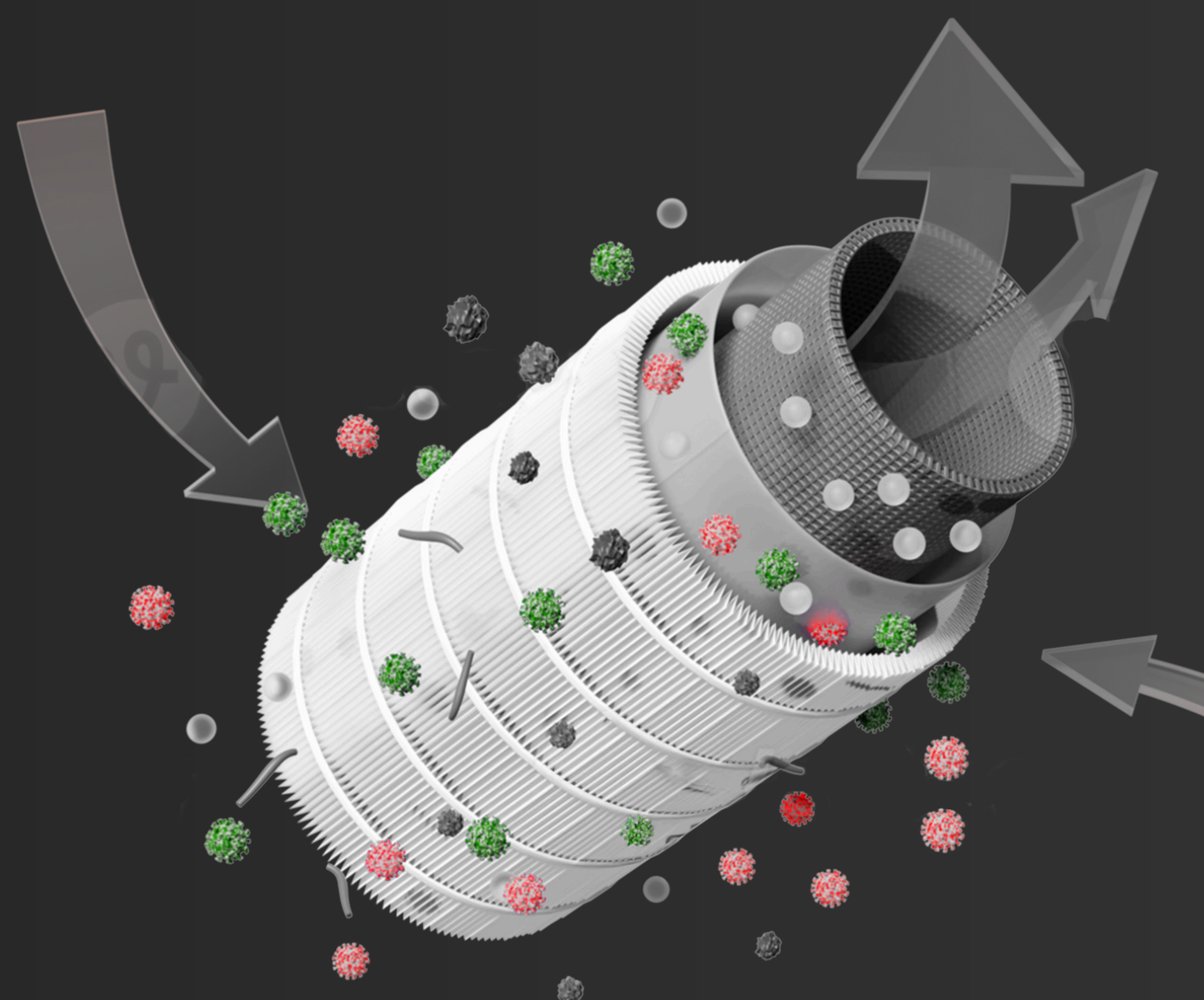
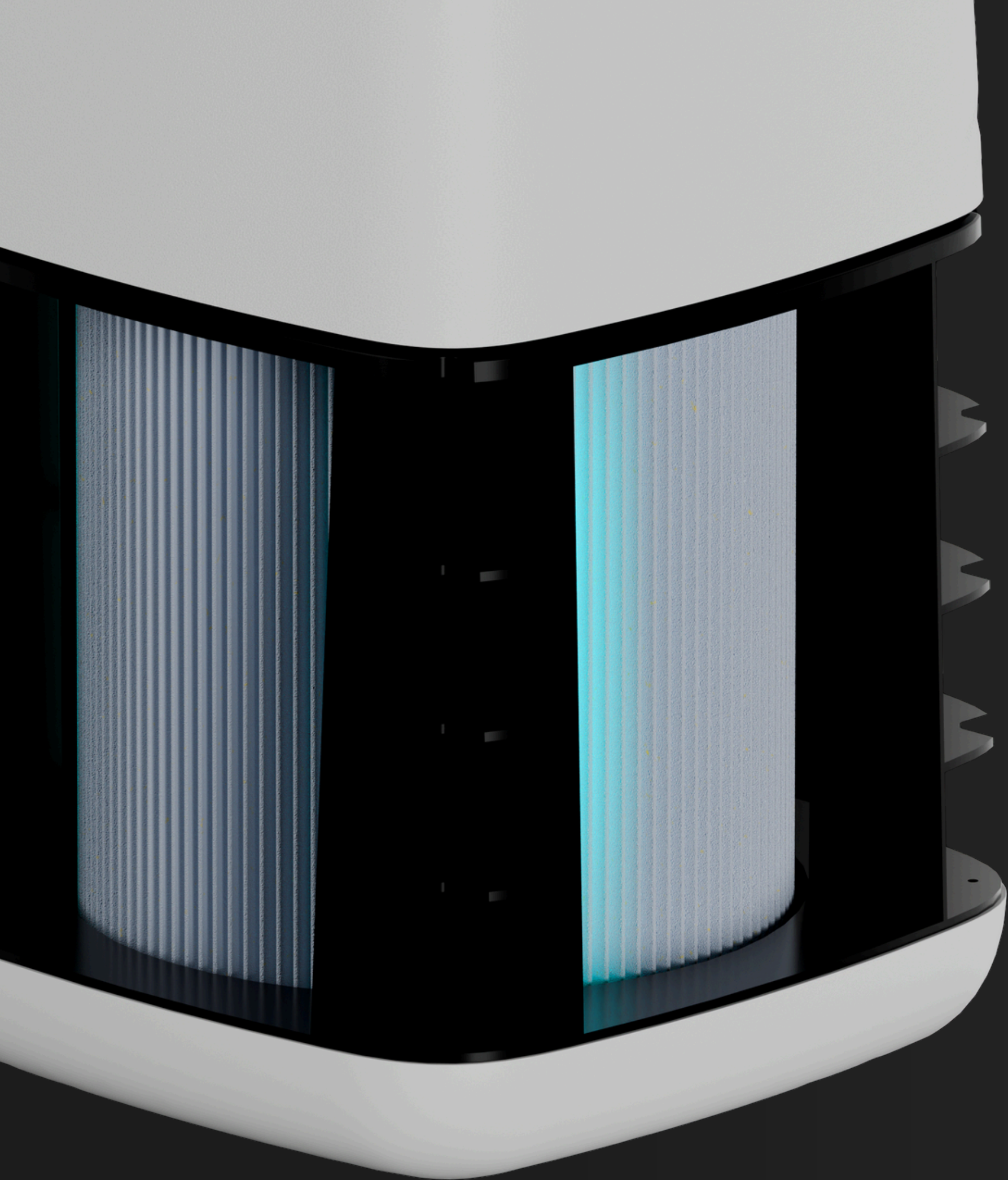
- Running 24/7, our products can cost as little as £40 per annum.

Dual Solution

Working together for Maximum Purification.

Combining Active and Passive Purification with the
power of ODOGard Technology.



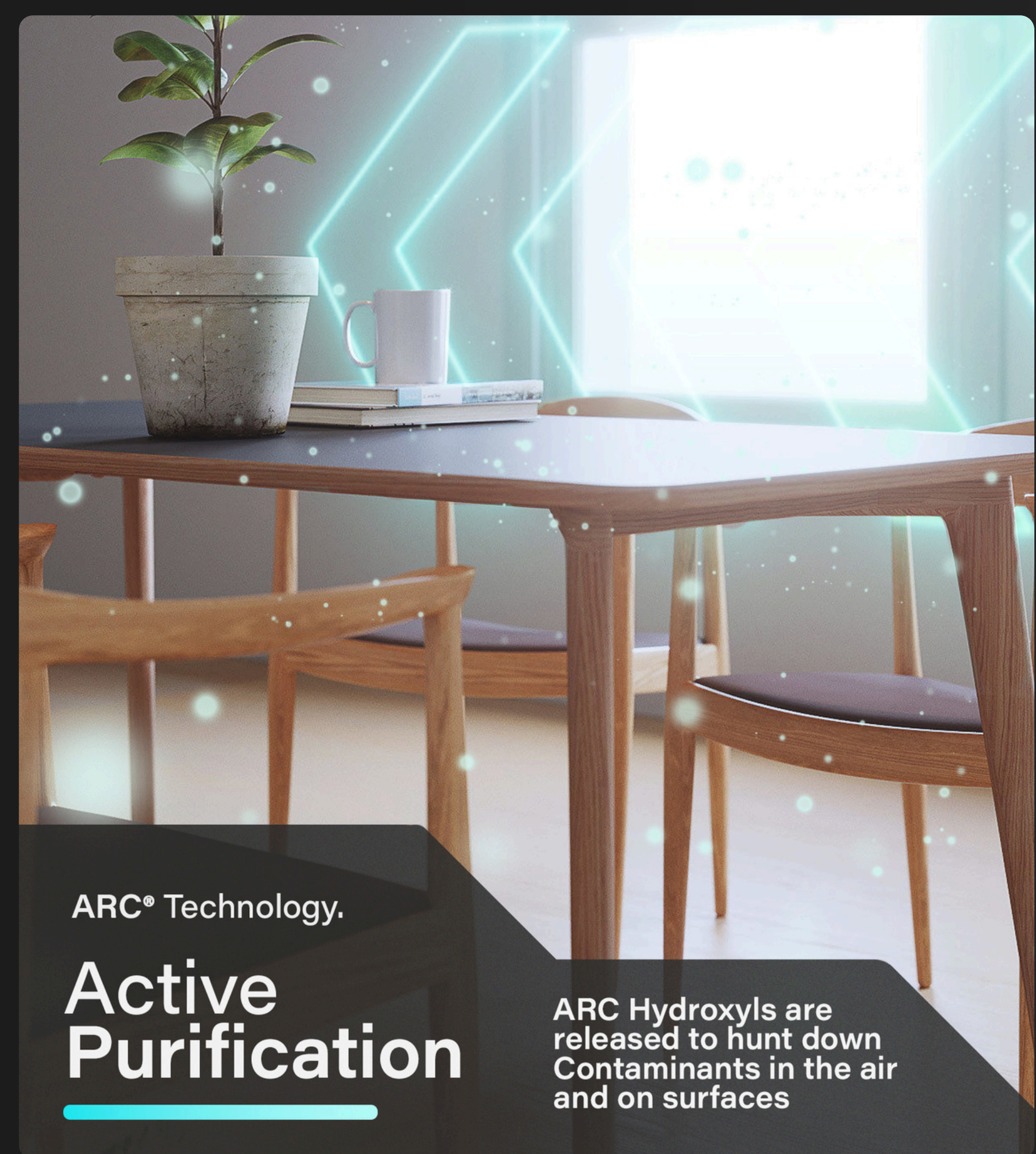


ODOGard® Treated Filters Passive Technology at work

Drawing air through a filter to trap particles such as mould spores, pollen, pet dander, dust, and smoke. Our HEPA Filters are capable of trapping any particulates as small as 0.25 microns.

Our filters are the only filters to exclusively use ODOGard®. A proven technology that attaches to a volatile organic compound or odour molecule. When bonded to the molecule, ODOGard® changes its molecular structure. This eliminates the odour molecule and the odour forever, like it was never there.

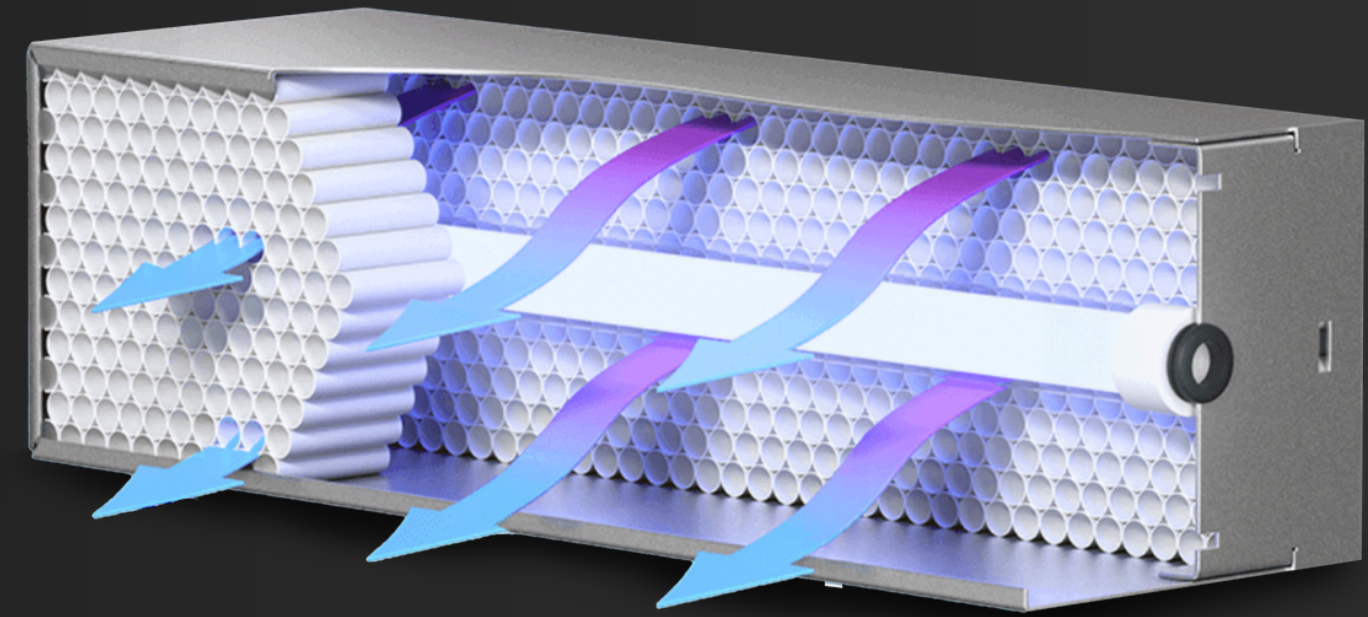
By combing passive filtration with our active purification, we can create a solution that covers larger areas.



ARC® Technology.

Active Purification

ARC Hydroxyls are released to hunt down Contaminants in the air and on surfaces



Active Radiant Catalysis (ARC®) Active Technology at work

As Air & Moisture pass through the ARC® cell, they interact with the UV lamp and the catalyst turning into vaporised Oxidisers (**gaseous hydrogen peroxide, known as hydroxyls**). These Oxidisers are then picked up in the air stream and dispersed throughout the home to seek and eliminate airborne and surface contaminants on a molecular level.

With our technology moisture is no longer a negative. UV energy converts water vapour into our advanced oxidation products (**active cleaning agents**).

By combing ARC® with Bi-polar Ionisation, our active technology works quickly to meet contaminants where they are and render them inert.

Replicating Nature Indoors

Our active technologies replicate nature's self-cleaning process on a micro-scale, bringing the same benefits indoors.

Hydroxyls Nature's Cleaning Agents

- Hydroxyls are found in nature, they deactivate airborne and surface contaminants on a molecular level.
- Our ARC[®] technology is our proprietary form of Photocatalytic Oxidation (PCO).
- PCO is when ultraviolet (UV) energy activates catalysts that are present in our world's atmosphere that then converts ambient humidity into oxidising hydroxyls (vaporised hydrogen peroxide).
- Our technology replicates that process by producing hydroxyls that eliminate contaminants in homes.

Bi-Polar Ionisation Natural Electrical Charges

- Our products contain ionisation brushes that create a plasma of negative and positive charged ions which remove particles from your breathing space
- Ions interact with particulates by either pushing them away or adding mass which causes them to fall out of the breathing space
- Ions cluster around airborne particles like mould, viruses, bacteria, and allergens like pollen. This makes particles bigger, causing them to be more easily caught by our filters.

Testing Shows

Our systems produce 0.05ppm of gaseous hydrogen peroxide which is 20 times lower than OSHA's permissible exposure limit of 1.0 ppm. Like oxygen, gaseous hydrogen peroxide is in the air we breathe.

[IAQS Report Hydrogen Peroxide](#)

A Rapid Response

Tenant Reports Mould

Simply deliver and switch on our portable unit to start eliminating up to 99.9% of Mould spores within properties up to 1500 sqft.

Reduce Need for decant

Tenants can continue to live in their home whilst the property is surveyed and remedial work is scheduled.

Remove and Reuse

Once remedial work has been carried out, this product is ready for you to use at your next property.



Key Features

AUTO Mode: The HEPA+ Pro will monitor your air quality and automatically adjust its output based on the contaminants it detects.

Air Quality Monitoring: With its smart interface, you have the capability to monitor the temperature and humidity in the properties.

App Connected: Full oversight available via our smart app. See the remaining life spans of your HEPA Filter, BPI Module & ARC Cell, ensuring that your HEPA+ Pro is running at its optimum performance.

HEPA+ Pro

[See it in Action](#)



A Fixed Solution For Mould

Properties with Recurring mould

The 750+ provides a whole home solution for properties up to 1000 sq ft. It will eliminate up to 99.9% of mould spores and arrest any surface mould that is present in a property. Keeping tenants safe and mould at bay.

Say Goodbye to Ongoing Maintenance

After the cosmetic repairs are carried out the 750+ will keep mould at bay. With the 750+ running and maintained, its active technology will stop any new mould spores being able to colonise - no more call outs for the same issue.

Energy Efficient & Easily Maintained

With an average output power of 14watts, the 750+ running constantly will cost approximately £40 per year. With purchase and rental options available (which can include ongoing maintenance), the 750+ can provide a permanent and hassle free solution for housing providers.



Flexible Installation

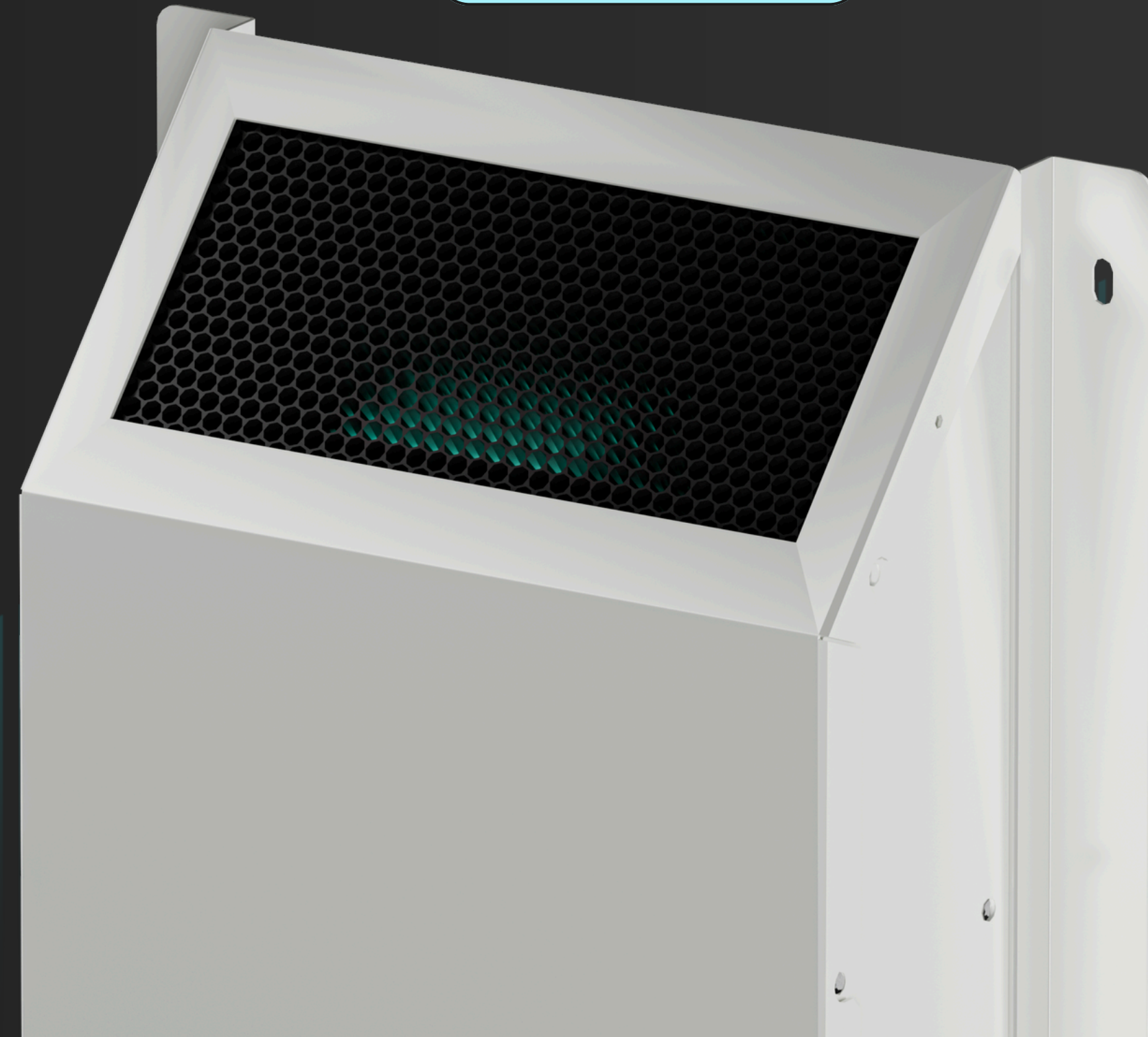
Due to its lightweight and compact design, the 750+ is designed to be wall or ceiling mounted.

The rust proof 750+ can be plugged in straight from the box or can be hard wired depending on your requirements.

750+

Wall Mount

[See it in Action](#)



We Believe in Testing

HEPA+ Pro Mould Spores Testing

Independently tested & certified

99.9%

Reduction: Airborne Mould Spores
Time: 24 Hours

41.0%

Reduction: Surface Mould Spores
Time: 24 Hours

99.9%

Reduction: TVOC & HCHO
Time: 24 Hours

99.99%

Reduction: Odours
Time: 24 Hours

[IAQS Report HEPA](#)

750+ Wall Mount Mould Spores Testing

Independently tested & certified

99.9%

Reduction: Airborne Mould Spores
Time: 48 Hours

97.5%

Reduction: Surface Mould Spores
Time: 48 Hours

92.0%

Reduction: TVOC's
Time: 5 days

94.0%

Reduction: HCHO Formaldehyde
Time: 5 days

[IAQS Report 750+](#)

Additional Testing

In addition to mould spores, our technology has been independently proven to reduce or inactivate many more harmful contaminants by up to:

99.9%

- SARS-CoV-2
- Influenza
- TVOC & HCHO
- Pathogens
- Odours
- Respirable Particulates
- Légionnaires
- Allergens

Our testing partners

