

The PUREAIR

For a safer, healthier home



You can trust in Airius

We believe every breath you take at home should be a healthy one. That's what drives us and is why Airius have revolutionised the air purification industry - winning numerous awards for technological innovation in indoor air quality.

Contents

The Airius PureAir Home [p3](#)

Cleanses air and surfaces of contaminants

How it works [p5](#)

Natural cleaning agent

Tested and certified [p7](#)

Independently verified by global laboratories

Why the PureAir is different to other products [p9](#)

Not all air purification systems are created equal

Installation and warranty [p11](#)

Simple to install and with a comprehensive warranty

Technical data [p13](#)

Fan model, motor and coverage data

The Airius PureAir Home

Cleanses air and surfaces of contaminants

The Airius PureAir Home is an air purification and airflow circulation system that fits discretely into the ceiling of your home. It is designed for all residential spaces, from family homes to community living.

Its patented PHI (Photohydroionization) blue Cell technology actively neutralises up to 99% of all harmful viruses, bacteria and germs - including SARS-CoV-2 (more commonly known as Covid-19). The PureAir's proven technology also eradicates mould, pollen spores, gases and other contaminants from the air and surfaces of your home, significantly improving your indoor air quality.

- Kills over 99% of surface bacteria & viruses
- Kills over 97% of airborne bacteria & viruses
- 99% of microbes caused by sneezing, killed within 3 feet
- Reduces odours by over 99%
- Reduces mould by over 98%
- 99% reductions of E. coli, Listeria, Staph, SARS and MRSA
- 80%+ reduction of gases, vapours and VOCs
- Reduces pet dust, pollen and general household dust



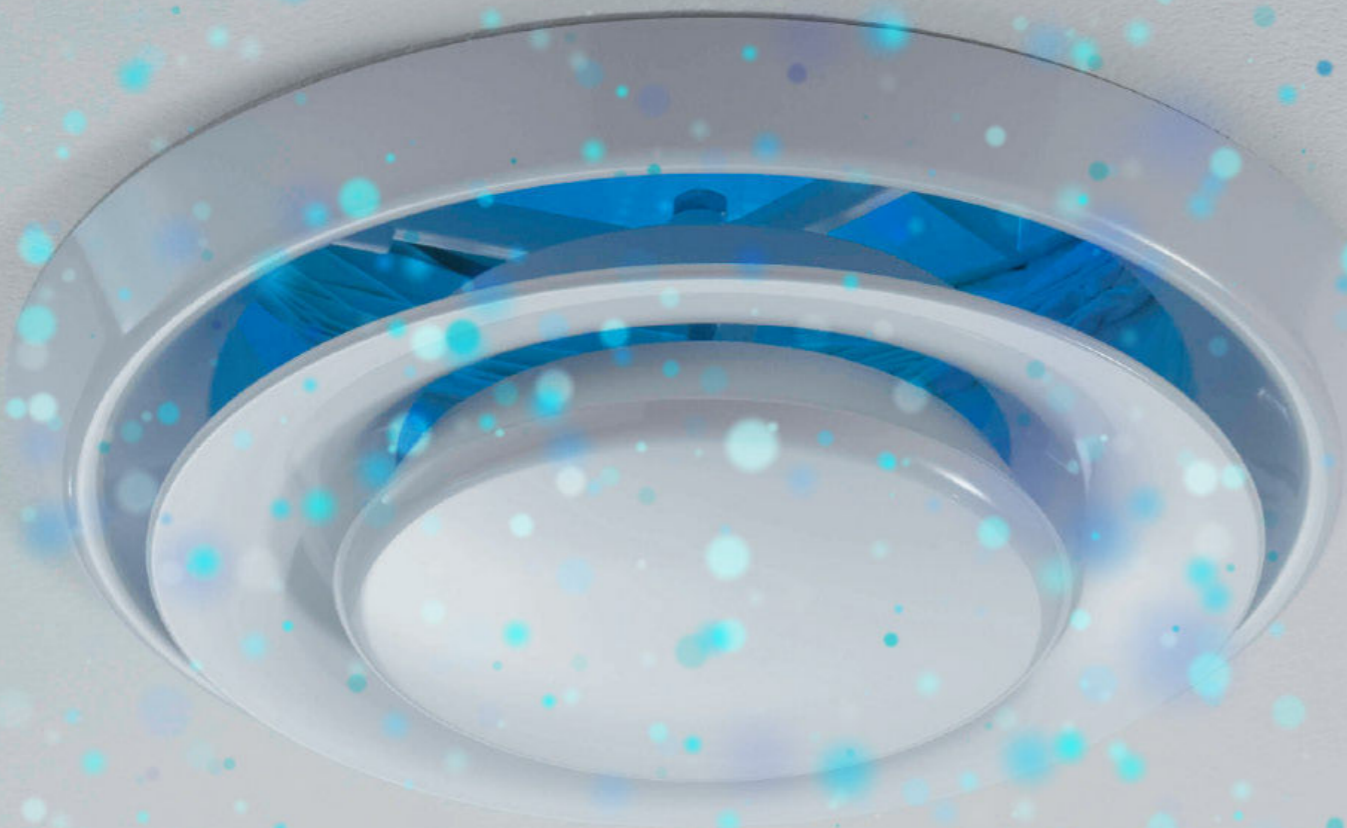
Balances room temperature, improving comfort

In addition, the PureAir delivers all the benefits you would expect from the world's most popular destratification and airflow circulation fan - including evening-out room temperatures. This results in improved comfort, due to the elimination of hot and cold spots, and the potential to significantly reduce energy consumption by balancing the floor and ceiling temperatures. It can also help reduce your carbon footprint.

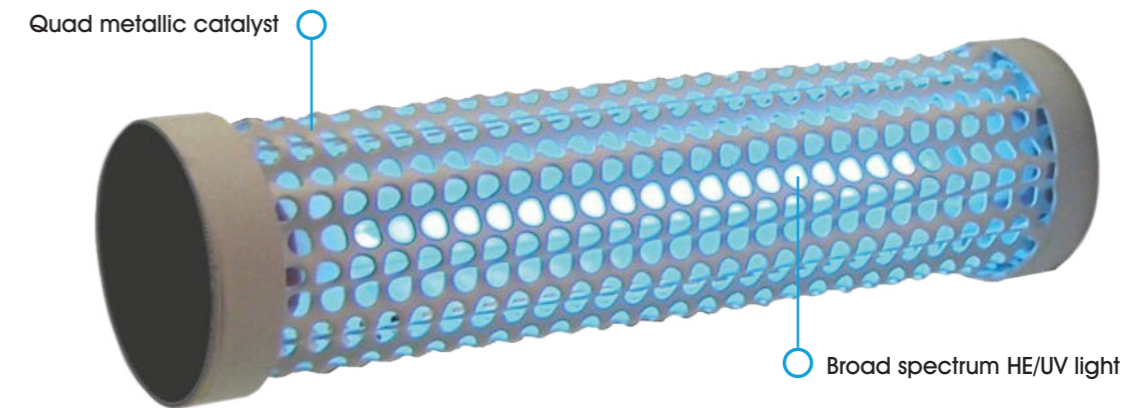
How it works

Natural cleaning agent

The Airius PureAir Home incorporates a patented PHI (Photohydroionisation) Cell - the most advanced atmosphere oxidation technology in the world.



At the heart of every PureAir is an unique RGF PHI Cell, made by one of the worlds leading air, water and food purification specialists, RGF Environmental.



The PHI Cell projects a broad spectrum HE/UV light on to a quad metallic catalyst. With natural moisture in the air, a unique oxidation reaction occurs which produces friendly oxidisers called 'Ionised Hydroperoxides'.

Hydroperoxides are known as 'Mother Nature's Cleaning Agent' and are what make the air smell clean after a thunderstorm. These safe oxidisers are then, with the help of the built-in PureAir fan, continuously circulated throughout your home. They attach themselves to contaminants, breaking them down and rendering them inert - leaving the air naturally cleansed, safer, and feeling fresh too.

In addition to biological pollutants, they also neutralise chemicals such as mercury, benzene, formaldehyde, chloroform, and ammonia.



Advanced Oxidation

The PHI Cell uses a safe, yet proactive, oxidation process to break down harmful contaminants, leaving only Oxygen and Hydrogen remaining.



Cleans Air and Surfaces

The integrated RGF PHI Cell not only provides airborne protection, but also eliminates over 99% of all surface germs, bacteria and viruses.



Improved Comfort

As well as cleaning your home's atmosphere and surfaces, the PureAir circulates air, and in doing so, balances room temperatures.



Tested and Certified

Certified by universities and laboratories as well as several governmental bodies, including the European Union and the US and Canadian governments.

Tested and certified

Independently verified by global laboratories

A number of acclaimed laboratories, universities and organisations have tested and certified the Airius PureAir Home's blue light PHI technology.

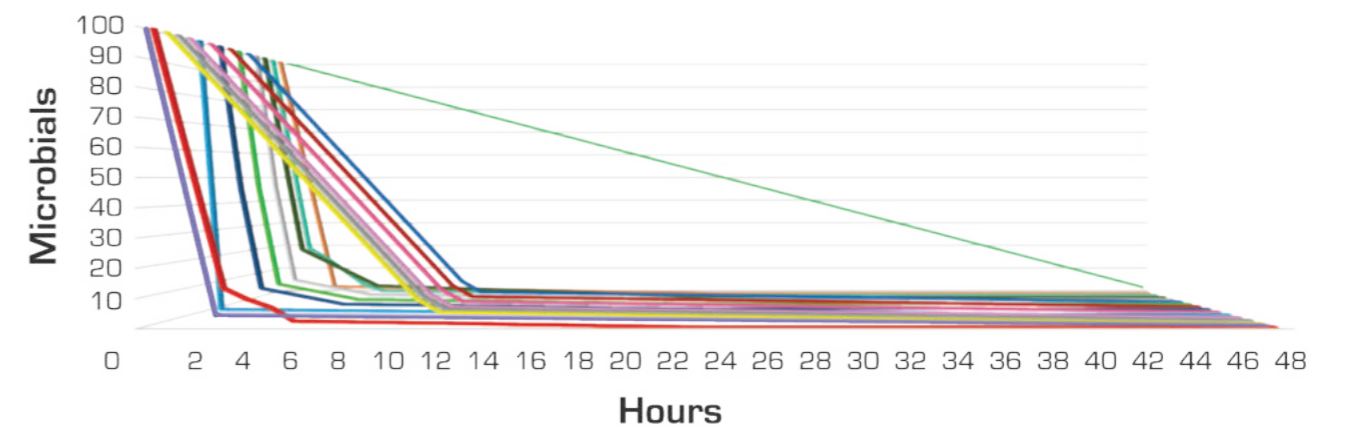
In addition, their results have been reviewed and verified by:

- The United States Government
- The Chinese Government, for protection against the SARS Virus
- The U.S Military, for mould protection in field hospitals
- The European Union
- The Canadian Government
- U.S Environmental Protection Agency

Furthermore, the Airius PureAir Home features the U.S CSA mark of certification.




PHI Independent Test Results



- **SARS-COV-2 (COVID-19)**
99.99% REDUCTION IN 24 HOURS
- **STREPTOCOCCUS PNEUMONIAE**
99.99% REDUCTION IN 48 HOURS
- **MRSA**
99.99% REDUCTION IN 24 HOURS
- **STACHYBOTRYS CHARTARUM**
99.99% REDUCTION IN 48 HOURS
- **PSEUDOMONAS SP.**
99.99% REDUCTION IN 24 HOURS
- **MOULD**
98% REDUCTION IN 48 HOURS
- **E. COLI**
99.99% REDUCTION IN 48 HOURS
- **BIRD & SWINE FLU**
99.99% REDUCTION IN 24 HOURS
- **LISTERIA**
99.99% REDUCTION IN 48 HOURS
- **CANDIDA ALBICANS**
99.99% REDUCTION IN 24 HOURS
- **SARS**
99.99% REDUCTION IN 24 HOURS
- **STAPHYLOCOCCUS AUREUS**
99.99% REDUCTION IN 48 HOURS
- **NORWALK VIRUS**
99.99% REDUCTION IN 24 HOURS
- **BACILLIUS GLOBIGII**
99.99% REDUCTION IN 48 HOURS
- **BACILLUS SPP.**
99.99% REDUC ON IN 24 HOURS
- **STREPTOCOCCUS SP.**
96% REDUCTION IN 24 HOURS

Coronavirus

In independent tests, RGF PHI Cell technology was shown to have a 99.9% inactivation rate on surface and 99.5% inactivation rate on aerosol forms of the SARS-CoV-2 (COVID19) virus. Testing commenced in March 2020 - carried out in a 36m³ (1,280ft²) testing chamber using the SARS-CoV-2 virus (not a surrogate or similar virus). Results show the virus is killed on contact, with the PHI's cleaning agents effectively neutralising the virus within a matter of minutes. It is important to note that no medical claims are made.

A top-down photograph of a woman and a young child hugging on a bed. The woman is wearing a pink and white striped shirt, and the child is wearing a blue and white striped shirt. They are both smiling and holding a large, light-colored stuffed animal. The bed has white linens and a dark grey pillow. In the background, there is a wooden nightstand with a small potted plant and some books, and a white bedside table with a framed picture. The floor is light-colored wood.

Why the PureAir is different to other products

Not all air purification systems are created equal

Simply having an air purifier does not mean that your home is enjoying safe, healthy air.

There are two main types of air purification processes available for home use: 'passive' and 'active'.

A 'passive' system draws air into a machine and passes it through a filter to remove contaminants before clean air is released on the other side. The air expelled remains clean until new contaminants enter the atmosphere - like a person coming into the room, for example. The air could be contaminated until it eventually passes back through the filter, resulting in extended time periods with contaminated air. A passive purifier is usually only effective in the room that it is physically in.

The Airius PureAir Home is an 'active' system, designed to constantly cleanse the whole home. It continuously pushes safe cleaning agents, that remain active for hours, into the atmosphere, negating the need for air to go back through a system. This means one PureAir unit can cover the whole home.

Installation and warranty

Simple to install and with a comprehensive warranty

The PureAir is installed discretely into your loft space by a qualified Installer.

The vent, with its gentle blue glow, is the only part of the unit visible inside your home - so it is very discreet. Measuring only 8 inches across, it blends effortlessly into the interior design of your home. If, however, the PureAir cannot be installed in the loft, it can be suspended inside a room, from the ceiling.

We always aim to carry out a survey prior to your purchase so we can ascertain the best place to fit your Airius PureAir Home unit.

All Airius PureAir products come with a 5-year fan replacement warranty, as well as a 1-year PHI Cell replacement warranty.

For further information please call us on 01202 554200



Tested and certified

Fan model, motor and coverage data

Every Airius PureAir Home features a world class, highly reliable and energy efficient motor that has been independently tested by the Building Services Research and Information Association (BSRIA). The integrated RGF blue light PHI Cell has been tested and verified by several laboratories, universities and governmental bodies.

Unit Dimensions & Weights

TECH SPECS	Model 10	Model 15	Model 25	Model 45
Range	PureAir	PureAir	PureAir	PureAir
Ceiling Heights ¹	2.5m - 4m	4m - 6m	6m - 8m	8m - 12m
Nozzle Heights ¹	2m - 3.5m	3.5m - 5.5m	6m - 7m	7.5m - 11m
Dia. Coverage ¹	8m - 10m	9m - 11m	11m - 13m	11m - 13m
Max. Overall Coverage ²	108.7m ²	588.9m ²	368.1m ²	173.2m ²
Volts ³	230	230	230	230
Watts ³	21-22	24-25	40-41	52
RPM ³	980	1230	1450	1450
CFM ³	318	406	459	595
m ³ /hr ¹	540	690	780	1010
AMPS ³	0.06	0.06	0.14	0.19
IP Rating	IP55	IP55	IP55	IP44
Operating Temp ³	-20°C - 70°C	-20°C - 70°C	-20°C - 70°C	-25°C - 70°C
Thermal Shut Off ¹	110°C	110°C	110°C	135°C
Reset Temp ¹	90°C	90°C	90°C	125°C
Noise Level ³	0 - 21dB(A)	0 - 21dB(A)	0 - 31dB(A)	0 - 35dB(A)
Height (Inc. Handle)	444mm	546mm	546mm	605mm
Height	311mm	413mm	413mm	455mm
Diameter	325mm	325mm	325mm	375mm
Weight	3.2 KG	4.1 KG	4.1 KG	6.3 KG
Shipping Height	370mm	450mm	450mm	490mm
Shipping Width	380mm	340mm	340mm	370mm
Shipping Length	380mm	340mm	340mm	370mm
Shipping Weight	6 KG	6 KG	6 KG	9 KG

Data above is calculated at 50Hz.

¹Motor data provided by motor manufacturer and is subject to change at any time.

²Models 10/15 worked out on a 2.5m ceiling, Model 25 worked out for a 4m ceiling, Model 45 worked out on an 8m ceiling.

³Noise levels recorded at floor level from units installed at maximum ceiling height. Accurate as of February 2020. Each facility has unique fluid dynamics, please contact supplier to specify your system.



Airius Europe Limited

Holwell Farm

Cranborne

Dorset

BH21 5QP

Tel: +44 (0) 1202 554200

Email: info@airius.co.uk

Web: www.airius.co.uk

V1.1