

Vent-Axia[®]

PUREAIR HOME

Positive Input Ventilation (PIV)



Edition 1

www.vent-axia.com/piv



Vent-Axia[®]

PUREAIR HOME

The Simple Solution for Improving Indoor Air Quality



Positive Input Ventilation

Solutions designed especially for you

Mould is a simple plant; if you want to kill it, stop watering it. If mould has already formed, painting over it will not solve the problem. Ventilation is mould's biggest enemy as it removes the root cause: the moisture in the air. Where mould is present in bedrooms or other living areas, Lo-Carbon PureAir Home will provide the answer.



Scan me!

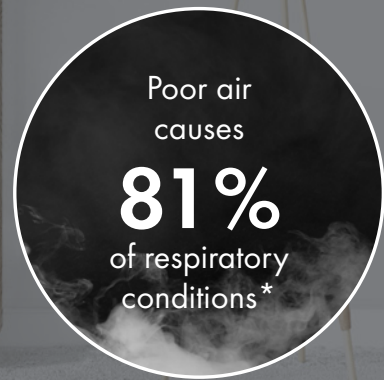
UNHEALTHY HOMES

Why are homes polluted?

As our homes are becoming increasingly airtight, the problem of poor indoor air quality becomes harder to ignore. Without good ventilation in the home, indoor air quality can deteriorate and can lead to condensation and mould and a build up of toxic chemicals.

We spend more than 90% of our time indoors, breathing air that is up to 5 times more polluted than outdoor air. Indoor air can contain over 900 chemicals, particulates, biological materials, viruses and bacteria. Each of us breaths 9000 litres of air each day and poor indoor air quality effects the health of everyone in your home.

In a bid to make houses more efficient, to lower energy bills and reduce the impact we have on climate change, steps are being taken to improve the insulation and airtightness of a home. But this means the home cannot breathe which isolates the indoors from outdoors and has a negative impact on the quality of the air inside your home, trapping the pollutants and stopping them from escaping.



Toxic home syndrome

When the air in your home begins to contribute to acute illness, or exacerbates chronic illness, your home may be described as having "toxic house syndrome." Some other terms for this may be toxic home syndrome or sick building syndrome.

Compromised indoor air quality (IAQ) can cause serious health problems. Make your home feel like it's not comfortable to live in, or lead to serious long-term issues! Dander are tiny particles which come from feathers skin and hair that may cause allergies.

* Source - www.myhealthmyhome.com

HEALTHY HOMES

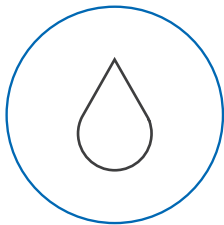
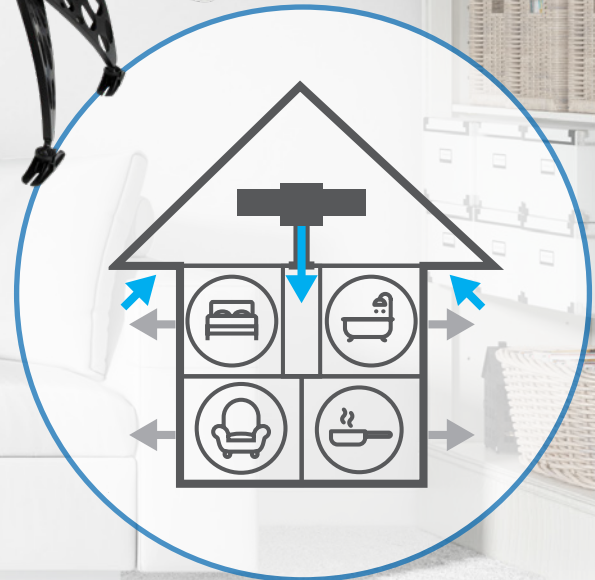
How does Positive Input Ventilation work?

Positive Input Ventilation (PIV) is an energy efficient method of pushing out and replacing stale, unhealthy air with clean drier air. This is achieved by gently introducing filtered air into the home and increasing the circulation of air around the property.



A solution for all types of properties

The PureAir Home is designed to be fitted in a loft - out of site and out of mind. It has a simple commissioning menu structure which speeds up installation and pre-defined speed settings based on the number of bedrooms the property has. It couldn't be simpler.



Condensation and mould are controlled as moisture laden air is replaced by drier air. This protects your home from harmful condensation and mould.



Inbound air is filtered, improving the indoor air quality. The optional F7 filter will remove almost all pollen from the air and help reduce diesel particulates.



Volatile organic compounds (VOCs), dust mites and other indoor air pollutants are reduced, giving homeowners a healthier indoor environment.

DESIGNED FOR YOUR SATISFACTION

Lo-Carbon PureAir Home gives installers and homeowners precise control over airflow.

The Lo-Carbon PureAir Home can help solve condensation and mould issues:

You want a whole house ventilation solution to combat condensation and mould that will leave you happy. Here are some of the main features from PIV:



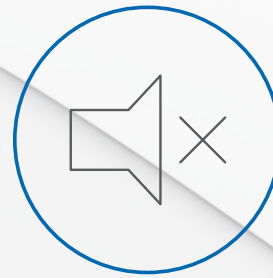
Thermal Comfort

Every home is different. Therefore fine control of the air velocity and heater temperature are essential to eliminate cold draughts. The Smart Sense™ Technology allows for 1l/s or 1°C adjustments to ensure your thermal comfort.



Low Running Costs

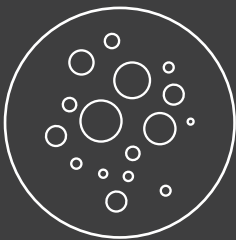
In the current energy climate it's important to keep running costs down. With an ultra-low power consumption motor, the Lo-Carbon PureAir Home can service a two bedroom house for less than £10 a year.



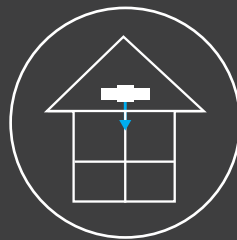
Low Noise Levels

Anti-vibration legs and mounting options along with smart flow diffuser technology allow for an ultra-quiet installation.

Other key benefits of the PureAir Home include:



Condensation & mould control



Discreet installation



Whole house air purification*



▲ The Lo-Carbon PureAir Home's unique leg design allows for anti-vibration mounting.

EASE OF INSTALL

The Lo-Carbon PureAir Home™ range provides solutions suitable for dwellings with or without loft space.

It is not always possible to find room for a new ventilation system in an already busy home. This can lead to installations being put into awkward spots, where you might be affected by the aesthetics or noise from a product. That is why our Pure Air Home is lightweight and simple to install into any loft space. Flexible and small to ensure the best installation every time for your home comfort.

Loft Mounted

The easy grip handle on the Lo-Carbon PureAir Home allows for safe installation, allowing **three points of contact on the ladder**.

The unit can be hung or mounted on the fully adjustable, anti-vibration feet to find the perfect loft location.



Made in Britain

We design, develop and manufacture our fans in the UK. We have reduced transport related carbon emissions and invested in UK skilled jobs, increasing our local workforce and providing a boost to the local job market.



Longevity of Spares

Vent-Axia has long been recognised as setting a gold standard for the availability of spares and support for obsolete product ranges. For example the Standard Range was launched over 60 years ago and we still supply components and spares.



Low Power Consumption

Did you know that 1W can make a huge difference over the lifetime of a product? 1W running for 35 years means approximately 85kg CO₂ emitted into the atmosphere. That is why we strive to use the lowest possible power consumption motor technology to play our part.



Our PIV fans are made with recyclable ABS plastic.

PUREAIR HOME

Ensure homeowner satisfaction and reduce the need to re-visit the property



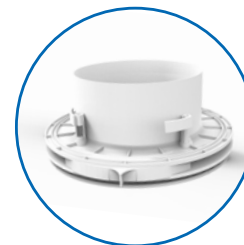
Easy Filter Replacement

The product's unique filter choices make improving indoor air quality easy. Choose from G4 or F7 filter options providing filtration down to PM2.5, which includes diesel particulates.



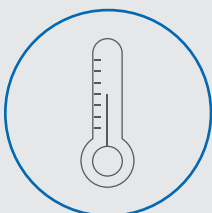
Anti-Vibration Legs

To make Lo-Carbon PureAir Home whisper quiet throughout its operational life, a UK made ball bearing motor with dual anti-vibration mounts is fitted. The purpose designed acoustic legs dissipate any vibration, guaranteeing silent operation.



Discreet Diffuser

The discreet circular diffuser is easily fitted and maintained. Its low profile and aesthetically pleasing design has been developed to blend into the aesthetics of the hallway.



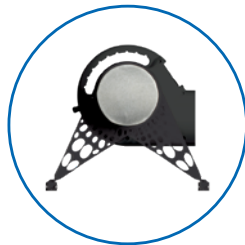
Ultimate Thermal Comfort

The Lo-Carbon PureAir Home allows full adjustment of both the air velocity and temperature in 1l/s or 1°C increments. It also has adjustable boost temperatures to reduce the risk of filling the home with cooler air, especially when the resident has the thermostat up high. Also, for those who like it warm, the Lo-Carbon PureAir Home has an adjustable summertime cut-off temperature to allow the unit to continue running even at high temperatures.



Unit Size

With its body measuring only 330 x 364mm Lo-Carbon PureAir Home will easily fit through standard loft hatches. The compact size makes it easy to store and transport making it versatile to fit.



Easy Handling

The easy grip handle moulded into the main body makes transporting the Lo-Carbon PureAir Home into the loft simple. The ability to carry the unit with one hand allows you to retain three points of contact on the ladder and stay safe.



Energy Efficient Heater

The heater model helps increase the temperature of the air entering the habitable areas.*

*Heater model only



Up to 5 Year Warranty

With a high performance, long life motor and precision engineered components, the Lo-Carbon PureAir Home™ delivers maximum air performance with minimum wear and tear.



A WIDE RANGE OF SOLUTIONS

More than just an innovative ventilation manufacturer.



Advice

Our experienced consultants can provide impartial expert advice on condensation and mould in your home, which will help determine if ventilation could be a solution to the problem.



Products

Designed with homeowners in mind, our ventilation solutions are powerful enough to remove moist air to help eradicate condensation and mould and at the same time quiet enough not to disturb while remaining energy efficient.



Install Support

Getting it right the first time is not always easy and unforeseen challenges may surface, yet our proficient Technical Support team is capable of assisting in navigating both major and minor installation predicaments offering peace of mind, ensuring your comfort and protecting the property over the long term.



Support

Our expert ventilation consultants are always on-hand to assist with queries, offer their expert opinions, or even assist installers on trials of new ventilation products. Backed up by a knowledgeable and friendly technical support department, landlords can rest assured that Vent-Axia will always offer first class support.

Vent-Axia



Training

The ventilation industry is constantly changing and evolving, and so are our customer's challenges. That is why we are on hand to offer practical, engaging and informative training. From CPD courses on mould and condensation to hands-on toolbox talks on installation, we can help installers stay ahead of the knowledge curve.



Downloads

Vent-Axia has simplified the way to access information. The Knowledge Hub provides literature and comprehensive product information all in one place, at the touch of a button. Watch our video now to find out more.

www.vent-axia.com/knowledge-hub



Lo-Carbon PureAir Home Spec

Models

Lo-Carbon PureAir Home with G4 filter, 2m of flexi duct and a Ø200mm Smart Airflow™ discreet diffuser †

Positive input ventilation for whole house mould and condensation control. Smart Sense™ control allows quick and accurate set up. Fully adjustable between 19l/s - 49l/s. Automatic summer shut off stops warm air coming back into the property.

Stock Ref
479090

Lo-Carbon PureAir Home with Heater, G4 filter, 2m of flexi duct and a Ø200mm Smart Airflow™ discreet diffuser †

Positive input ventilation with heater for whole house mould and condensation control. Smart Sense™ control allows quick and accurate set up. Fully adjustable between 19l/s - 49l/s. Automatic summer shut off stops warm air coming back into the property.

Stock Ref
479091

Lo-Carbon PureAir Home™ FD with Heater, G4 filter, 2m of flexi duct and Ø200mm Fire rated diffuser (Multi-storey Compliant) † ††

Positive input ventilation with heater and fire damper for whole house mould and condensation control. Smart Sense™ control allows quick and accurate set up. Fully adjustable between 19l/s - 49l/s. Automatic summer shut off stops warm air coming back into the property. Fire Damper model supplied with relay to fire alarm cut off and intumescent fire protective ducting.

Stock Ref
479092

Accessories

Model

Stock Ref

Twin Spigot Kit

449071

An additional kit to allow an extra circular diffuser to be installed near the PureAir unit. The kit includes 1 x Ø200mm 6m Duct, 2 x Worm Clips, 1 x Ø200mm Equal Y Piece and 1 x Diffuser.

Interconnecting cable for boost switch

411150

Diffuser

478228

F7 Filter Set

477957

G4 Filter Set

477629

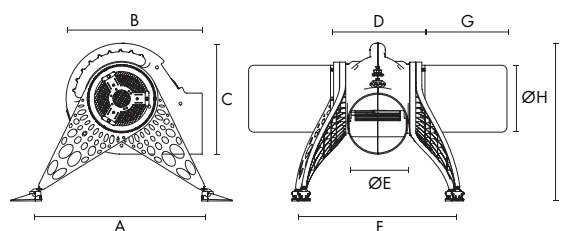
Air replacement grille set - Brown

561400

Air replacement grille set - Ivory

561401

Dimensions (mm)



A*	B	C	D	ØE	F	G	ØH	I**
300-650	425	365	330	200	530-570	300	220	400-600

*Variable to allow for adapting product height. ** Variable to allow for adapting product height

Performance Guide

Bedroom	Extract Performance (l/s) - FID		Power (W)	
	Trickle	Recovery	Trickle	Recovery
1	19	29	3.1	5.1
2	25	37	4.3	7.6
3	31	46	6.0	12.0
4	37	49	8.0	13.1
Adjustable	19-48	20-49	-	-

† Comes with 5 year warranty †† Please note: Lo-Carbon PureAir Home FD model does not include a Smart Air™ technology diffuser

VENT-AXIA CONTACT NUMBERS

Free technical, installation and sales advice is available

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