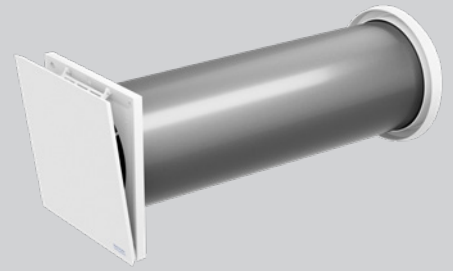


Vent-Axia

Lo-Carbon Heat Save



Home Owners Ventilation System Guide

Condensation and mould

In Britain, condensation in properties is a problem particularly where warm stale air is generated in areas like kitchens and bathrooms or by drying clothes over radiators. The moisture in the air migrates to colder parts of the house resulting in water running down the windows leading to black mould on walls, ceilings and in cupboards.



The 'average' family produces approximately 27 pints of moisture per day.

How can we reduce humidity levels:

- Adequate Heating - Air is like a sponge, the warmer it is the more moisture it will hold
- Adequate Insulation - Prevents cold surfaces for moisture to condense
- Adequate Ventilation - Removes the excess moisture held in the warm air and provides fresh air resulting in better indoor air quality



Walls, ceiling, floors & soft furnishings quickly show signs of black mould growth.

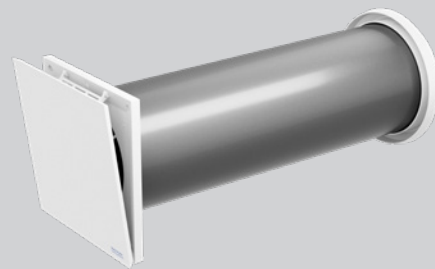
Ventilation with heat recovery

As well as providing adequate ventilation which improves indoor air quality, the added benefit of including heat recovery in ventilation means the property is supplied with fresh air into a building, whilst retaining most of the energy that has already been used in heating the building.



Low running cost

Vent-Axia Lo-Carbon Heat Save



What is it and why is it there?

The Vent-Axia Lo-Carbon Heat Save is a ventilation unit designed for living rooms and bedrooms in single and multi-family buildings. The unit is usually installed on an exterior wall to provide new air to the room.

What does it do?

It is designed to run all of the time which will keep your home free from condensation and mould leaving it fresh, healthy and warm. Even running all of the time, this fan uses less electricity than a low energy light bulb. Clean air enters the property whilst recovering up to 84% of the heat normally lost when extraction fans are used, putting the heat back into your home.

How will it help?

As well as recovering up to 84% of heat back into the property, the Heat Save will prevent the build up of moisture in the house, remove steam and odours during bathing or cooking and prevent black mould forming on the walls. It will also help stop the dampness build up behind cupboards and wardrobes, on clothes and furnishings, caused by inadequate ventilation.

How do I control it?

The Vent-Axia Lo-Carbon Heat Save has been set up to operate in the background so you can get on with your day to day life. It will automatically replace stale air with fresh air every 70 seconds, however a controller is supplied to allow interaction with the unit if needed.

DO NOT switch off the product

The fan is set to run continuously 24 hours a day, 7 days a week.

Does the unit require any maintenance?

The Vent-Axia Lo-Carbon Heat Save is virtually maintenance-free. When cleaning is necessary make sure you disconnect the controller's power supply. The surface of the inner cover and the controller can be cleaned with a damp cloth. Dust filters can also be cleaned with warm water. For additional cleaning requirements, please contact your housing provider or refer to the fitting and wiring instructions.

What are the running costs?

Thanks to the Heat Save's incredibly efficient motor it has very low running costs - this means you will not see large electricity bills despite the unit running continuously. Recovering up to 84% of the heat can also save you on average 10% on your winter fuel bills.

One unit:

Speed	Hours a day	Motor consumption watts	kW/h per year	Price per kW/h*	Total cost per year
Low trickle	23	1	8.40	0.34	£2.85
Boost	1	3	1.10	0.34	£0.37
					£3.23

Two units:

Speed	Hours a day	Motor consumption watts	kW/h per year	Price per kW/h*	Total cost per year
Low trickle	23	2	16.79	0.34	£5.71
Boost	1	6	2.19	0.34	£0.74
					£6.45

* Energy prices vary depending on energy supplier and tariff. Figures we have shown here are based on the October 2022 price cap.