

Lo-Carbon Tempra HTP/HTP SELV



Home Owners Ventilation System Guide

Condensation and Mould

In Britain, condensation in houses is a problem particularly where warm moist air is generated in areas like kitchens and bathrooms or by drying clothes over radiators. The moisture in the air gets left on surfaces in 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.

Provide adequate ventilation

Traditional intermittent extract fans provide peaks of airflow, this means we are warming indoor air and then extracting it to outside, which is not energy efficient.

Instead, continuous running extract fans in bathrooms, kitchens and utility rooms work with the natural air flow in the house meaning you have a constant supply of fresh air which prevents germs multiplying and spreading, giving you a healthy home, but without the heat loss associated with intermittent fans.



Costs under 10p per week to run!



DO NOT adjust your ceiling diffusers

Lo-Carbon Tempra HTP/HTP SELV



What is it and why is it there?

The Vent-Axia Lo-Carbon Tempra has been designed to meet all the requirements of the Building Regulations for bathrooms, kitchens, utility rooms and toilets. This fan recovers the heat from your home and puts it back into the fresh incoming air.

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. The fan recovers 84% of the heat normally lost when extraction fans are used, putting the heat back into your home.

How will it help?

It 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, behind cupboards etc. It will also help stop the dampness that you can get in your cupboards and wardrobes, on your clothes and furnishings, caused by inadequate ventilation.

How do I control it?

The Lo-Carbon Tempra operates all of the time on 'Normal' setting to ensure your home is ventilated at the appropriate level. The fan is designed to run continuously at a very low rate and boost when required. The low running rate means it has extremely low noise levels.

Does the unit require any maintenance?

Maintenance is minimal as the fan is designed to reduce the chance of dirt build-up. However to clean the unit the fan's power supply must be turned OFF first, then carefully push the front panel of the grille upwards away from the base part of the grille and wipe the inlets and front face with a damp cloth until clean.

DO NOT switch off the product

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

What are the running costs?

Its energy efficient Lo-Carbon motor means a long life and low running costs. This means that, even though it is running continuously, you won't see a large electricity bill because it costs less than 10p a week to run. Recovering 78% of the heat will also save you on average 10% on your winter fuel bills.

Room type	Hours a day	Motor consumption watts	kW/h per year	Price per kW/h	Total cost per year
Low trickle	23	3.2	26.86	0.14	£3.76
Boost	1	26.6	9.71	0.14	£1.36
TOTAL					£5.12
