Lo-Carbon Tempra HTP/HTP SELV

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.

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

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.

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

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

Low running cost

Vent-Axia

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Lo-Carbon Tempra HTP/HTP SELV

What is it and why is it there?

The Vent-Axia Lo-Carbon Tempra, suitable for continuous and intermittent use can be used in 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 78% 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 can build up behind cupboards and wardrobes, on 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.

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?

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.

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 will not see a large electricity bill because it costs around 24p a week to run. Recovering 78% of the heat can 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	26.9	0.34	£9.13
Boost	1	26.6	9.7	0.34	£3.30
				TOTAL	£12.43

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