

Sentinel Kinetic Advance Heat Recovery System 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 as little as 3p per week to run!



DO NOT switch off

Costs as little as 50p per week to run!

What is it and why is it there?

The Sentinel Kinetic Advance is a centralised mechanical ventilation unit with heat recovery. It draws stale, moist air through the circular grilles in your ceiling from your kitchen, bathroom, WC and exhausts it to outside. It draws stale, moist air through the circular grilles in your ceiling from your kitchen, bathroom, WC and exhausts it to outside.

What does it do?

It continuously moves air around your property at such a low level that you never feel it, but it takes all the stale air from inside your house and replaces it with clean fresh air, 24 hours a day, 7 days a week.

Your home is ventilated without the need to open windows which can let in noise, fumes and can compromise security.

How will it help?

It will prevent the build up of moisture in the house, remove steam/condensation and odours during bathing and cooking and prevent block 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 poor ventilation.

How do I control it?

Your Sentinel Kinetic Advance operates continuously on 'Normal' setting and will increase to 'Boost' speed when one of the control devices is activated. A manual 'Boost' switch is also provided if a higher level of ventilation is required at any other time e.g. on a hot day or to remove odours.

DO NOT switch off the product

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

DO NOT adjust the ceiling grilles

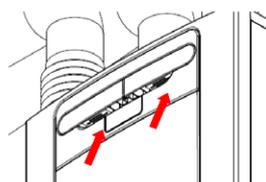
These grilles are set to allow a certain amount of air through and should not be adjusted.

What are the running costs?

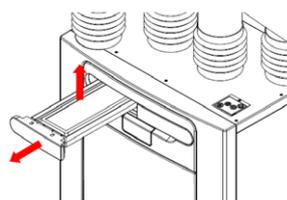
Your Kinetic Advance uses the latest low energy consumption technology and can cost as little as 50 pence a week to run and also benefits from a heat exchanger which will save pounds on your fuel bill.

Does the unit require any maintenance?

Mechanical ventilation with heat recovery unit (MVHR) filters should be checked initially at 3 months post installation due to construction dust in the environment and then on a regular basis, at least once every 6 months with the filters replaced every 12 months. The replacement schedule will depend on the external and internal environments and in more polluted environments the frequency may need to be increased.



1. Open the filter drawers by pressing the finger plate firmly upwards and sliding the drawer out.



2. Lift each filter out and clean gently by tapping or carefully using a vacuum cleaner if necessary.

3. Replace the filters

4. Close the filter drawers, ensuring the latches have clicked back into the locked position.



5. After maintenance of the filters, the filter timer can be reset by going to Settings/Reset filter.

The MVHR service requirements will also vary based on the environmental conditions, but we recommend that a maximum period to a full service is 5 years from the date of installation, the decision to service the unit more frequently than this can be made if required on inspection of the filters.

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