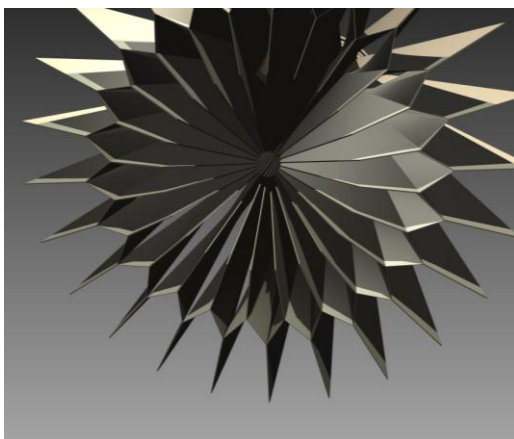




Ventive breathes fresh air into homes without the heat loss, running costs and maintenance normally associated with ventilation. It is a Passive Heat Recovery Ventilation Unit that makes the most of home's infrastructure (chimneys and chimney breasts) simplifying installation and reducing installation costs.

Ventive drives the air in both directions (extract and supply) using two forces: Passive Stack Effect (with warmer air naturally rising due to its lower density) and wind assistance. The heat is recovered from the outgoing air with the use of innovative and patented heat exchanger (GB 1004009.5) designed for minimum airflow resistance, maximum Heat Transfer Efficiency (up to 97%, as tested by Imperial College London) and ease of installation into existing dwellings.

The design follows 'retrofiters dream' approach starting with the need (easy and non disruptive installation of heat recovery ventilation), and addressing it with innovative approach to design & technology. Ventive requires less than an hour of work on the roof with one opening made in each room to pull the duct through and fit the air exhaust diffuser.



Ventive utilises more than just a great heat recovery system, its discreet roof cowl is designed to take advantage of low wind speeds assisting both supply and extraction of air as well as aesthetically blending with existing clay chimney pots.



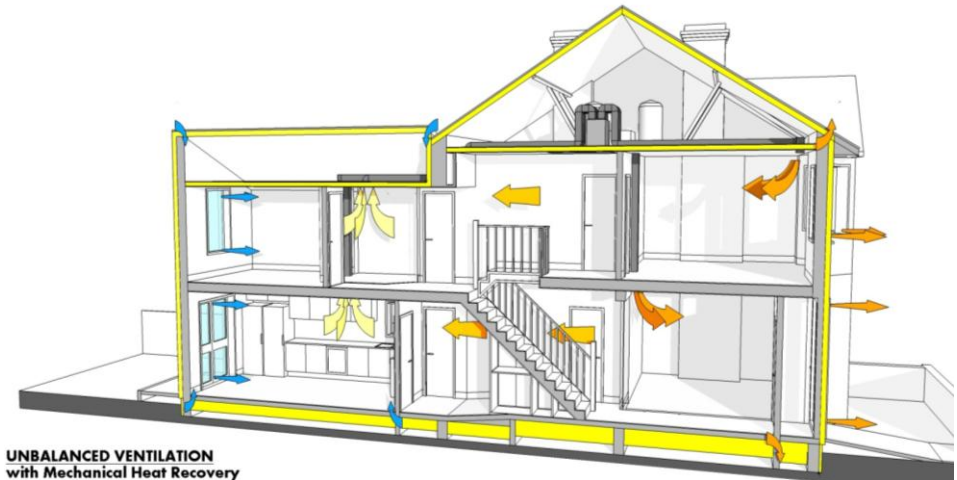
Pre-warmed incoming air (supply) is channelled naturally via an existing chimney void and enters the room either through the fireplace opening (with minimal alteration) or a low level vent. No electrical connections and no fans or heaters are required.

Exhaust air exits the room via the new opening at high level, using new flexible duct and into the heat exchanger at the top of the chimney where all the useful warmth is recovered. Passively and silently, Ventive works behind the scene to provide all the warm comfort.

It is increasingly acknowledged that we can't just introduce air-tightness and insulation to buildings without adequate ventilation. Ventive overcomes this, it also recovers the heat from the stale air and has one other great quality – it doesn't use energy to save energy – there is nothing else like it.

Ventive is designed to reduce installation time and costs associated with the whole house mechanical heat recovery ventilation, currently costing over £5,000 and involving a great deal of disruption. Installation costs are not the only costs that we need to take into account, with annual maintenance costs between £100 and £200, approximate operating costs of £100, and the additional heat loss suffered due to forced air leaking or infiltrating the building adding up to £200, mechanical ventilation is not the right solution for existing homes. During 20 years of operation Mechanical HR Ventilation costs add up to nearly £12,000!

Picture below demonstrates Forced Heat Loss due to warm air leakage and cold air infiltration introduced by MHRV in less than perfectly airtight homes:



Warm air is forced out through cracks and cavities while cold air is sucked in at the other end of the house. In comparison Ventive saves time, money and effort. With no operating costs, no maintenance costs and no forced heat loss you get the right solution from day one and no hidden extras. As shown below, house that is passively ventilated by Ventive suffers no forced heat loss:

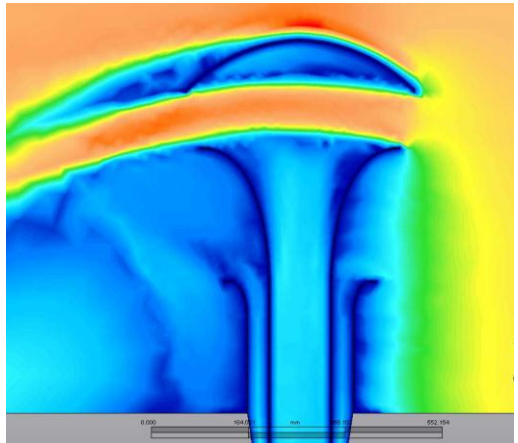


During the 20 years of operation Ventive is more than 50% cheaper than the competition. It also takes less time to install, saves space and is rather quiet.

Ventive has been extensively engineered, simulated and tested. Thanks to minimal pressure drop within the heat recovery module as well as utilisation of Passive Stack effect with wind assistance Ventive uses no electricity in operation, unlike Mechanical Heat Recovery Ventilation systems. It will not contribute to CO₂, NO_x, SO_x and other emissions associated with power generation. It also has no moving parts or electronic & mechanical components, minimising waste and eliminating requirement for maintenance or regular part replacement.

Advantages of choosing Ventive:

- Takes little time to install;
- No power or plumbing needed;
- Has no moving parts;
- Is maintenance free;
- Has no visual impact internally or externally;
- Is silent and space saving;
- Heat recovery on average 85%;
- Designed for easy retrofit;
- Cost effective to install & run;



Ventive received a number of awards including Best Retrofit Innovation 2010, Top 10 UK CleanTech Company 2011 by CleanTech Open & the Inventor of the Year 2011 by Autodesk. This reveals not just the innovative drive behind Ventive technology but also the design approach that leaves nothing to chance.

We would love to help you with your retrofit project. Our team will assist you with your home's suitability survey as well as design and installation of our product. We want you to be satisfied with your choice and will personally ensure that our system performs as designed.

Please contact us for further details and assistance:

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