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MVHR SYSTEM REDUCES HEATING BILLS FOR CHESHIRE HOMEOWNER

A heat recovery ventilation (MVHR) system from ADM has helped the owner of a prestigious new build property in Alderley, Cheshire, avoid large heating bills caused by cold winters.



The 12,000 square foot, six-bedroom house was built on the site of a former Victorian property that had deteriorated beyond repair.

Rod Kavanagh, the owner, took the decision to replace this with a Jacobean style house, although the original design didn't include any form of heat recovery system. Following the severe winter of 2010, the owner took the decision to look for ways of reducing the heating bills.

After talking to other homeowners, they discovered that an MVHR system offered one the best ways of improving a property's energy efficiency and therefore reducing heating bills.

"We were already looking for ways of increasing the energy efficiency of the house and following the extremely cold weather earlier this year, we decided that an MVHR system was the best solution," said Rod Kavanagh, owner of the property. "Once we'd installed the MVHR system from ADM we immediately noticed a difference in our heating bills. We were also delighted with the fact that it reduced our hay fever symptoms during summer, which affects everyone in our family."

An MVHR system is able to tackle hay fever because it provides a continuous low level of background ventilation, which has been designed to regularly change all the air in the property. It replaces the stale damp air with fresh, clean and, crucially for the Kavanagh family, filtered air.

The owner has also noticed that the MVHR system reduces odours from the family's two dogs. It does this by again constantly changing the air inside the building, which removes smells from cooking too. It also reduces the presences of Volatile Organic Compounds (VOC's). These are organic chemicals that are emitted by household items such as furnishings, paints, chemically formulated cleaning products and building materials.

The Building Research Establishment has found that potentially dangerous gases like VOC's along with carbon monoxide, carbon dioxide, nitrogen dioxide and radon pose serious health risks and can exceed the Government's recommended limits in many homes. Without an effective ventilation system, it means that air within a building can be as much as ten times more polluted than the air we breathe outside.

ADM also worked with the architect to design the house with its DuoVac Silentium central vacuum system. Central vacuum systems eliminated the need for the Kavanagh's to carry a heavy portable vacuum cleaner around the house.

Dust in the house in Cheshire is now removed by the central vacuum appliance located in the utility room, although it can also be located in the garage or even large cupboards.

The DuoVac Silentium from ADM ensures that there is no re-circulation of dust within the room – a common problem with portable vacuums. It is 2-3 times more powerful than portable vacuums and its exceptional filtration levels are able to capture the finest dust particles down to 0.1 micron.

For more information on ADM Systems, telephone: 01756 701051. Alternatively visit the website at: www.admsystems.co.uk

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