

DEMAND CONTROLLED VENTILATION

A WISE MOVE



WHY VENTILATE?



In its “Energy-Efficient Ventilation in Dwellings – A Guide for Specifiers (2006)”, the Energy Saving Trust outlines the importance of ventilation not only for health and comfort reasons, but also to off-set the damage caused by humidity in a building.

Referenced sources include:

- Moisture from washing and cooking,
- CO₂ from humans and combustion appliances,
- Odours from cooking, bodies and pets,
- Allergens from house dust mites,
- Everyday living.

We welcome NHBC and BRE research¹ which identifies that “the next drive for the industry will be for advanced controls and in particular for demand-controlled ventilation”.



¹/ NHBC and BRE: “Indoor Air Quality in Highly Energy Efficient Homes - A Review, July 2009.”

Changing legislation, new trends in construction, consistently rising energy costs. All have a bearing on the way a building is planned, built and maintained.



In terms of ventilation, the move to airtight buildings has a major impact on the design, construction, occupation and maintenance of the space. How to minimise long-term costs? How to prevent condensation and mould? How to reduce energy consumption? How to increase air quality and comfort levels in the building for those using it?

These are just a few of the questions Aereco can answer.



Since 1984 we have been developing, designing and installing effective and efficient ventilation solutions in buildings. Thanks to our strikingly simple, low-energy ventilation concept, we have become industry-leaders in the sector and are now present in 30 countries.

We have advanced our solutions alongside the progression towards airtight buildings, so that we now deliver demand-controlled ventilation (DCV) solutions which are low in cost, high in efficiency, low maintenance, and our sensors are guaranteed for 30 years.



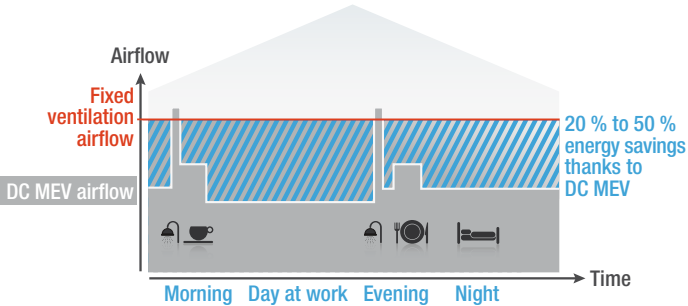
WHAT IS DEMAND-CONTROLLED VENTILATION?



As the pioneer of humidity-sensitive DCV solutions, we deliver a viable, safe, efficient, cost-effective and proven alternative to any other ventilation system for modern, airtight buildings.

Our DCV systems include humidity sensors on the grilles and inlets that automatically react to occupancy levels of the environment. So when adults and children are not in the home the systems reduces the airflow accordingly. When the space is occupied, and used for cooking, cleaning, living, the same sensors boost ventilation intuitively. The systems are silent, there are no filters to change, plus no Hi Tec controls for the occupant to use, simply fit and forget.

ENERGY SAVINGS



WHY AERECO DCV SOLUTIONS ARE A WISE MOVE



Humidity sensitivity

DCV intuitively adapts the levels of ventilation in each room to levels of use, ensuring air quality and flow.



Guaranteed air quality

Excessive moisture, supplemented by pollutants like carbon dioxide and VOCs, are a health hazard and a potential cost implication when the fabric of a building is damaged. We prevent both.



Compatible with most ventilation designs

Whether your involvement is on a new build or a retrofit project, we have a workable ventilation solution to fit.



Reduces energy consumption

Our smart, reduced energy ventilation systems have been shown to reduce ventilation-linked heat losses by up to 50% compared to a constant airflow ventilation system, as well as delivering clean, fresh air and reducing damage to the building interior caused by condensation and damp.



Comfort assured

Combining simplicity and performance, our systems detect and reduce moisture levels depending on room occupancy levels, securing good IAQ.



No mould, no condensation

Mould and condensation appear in wet and habitable rooms. Our ventilation solutions automatically adjust the airflow to the humidity rate present to ventilate the room and eliminate excess humidity.



Lower lifetime costs

Low capital costs, low installation costs, no maintenance, low energy usage. It's little wonder our systems are increasingly recommended and installed in private homes and public buildings worldwide.



Simple installation

New build or refurbishment, installation of Aereco ventilation systems is hassle-free and cost-efficient.

30 YEARS WARRANTY

Producing more than 16 million humidity sensors since 1984, we are so confident in the quality and reliability of our humidity sensors that we guarantee them for 30 years.

For further information, please contact us today.

In the UK

483 Green Lanes
London N13 4BS
Tel.: +44 24 7630 7736
Fax: +44 24 7663 9763
info@aereco.co.uk
www.aereco.co.uk

In Ireland

Unit 1, Cherrywood Business Park, Courtstown,
Little Island, Cork
Tel.: +353 21 429 6030
Fax: +353 21 429 6031
aereco@aereco.ie
www.aereco.ie