



Series 9000 CERV Indoor Unit

# Sustainable Ventilation Buzz Word at MTD



Series 9000 CERV Outdoor Unit

**S**ustainable and renewable energies appear to be current industry buzz words. However, at MTD Solutions the buzz word is Sustainable Ventilation.

“We believe that there are many more possibilities for sustainable ventilation than we are currently aware of”, says Ciaran King, Managing Director, MTD Solutions. “The basic principle of ventilation is simple — displacing air using a fan driven by an electro motor which can be driven by carbon-neutral power sources such as wind or solar. The essence of developing sustainable ventilation lies in the application of as many non-fossil forms of energy as possible.

“At MTD we are ‘manupackers’. We do not have a manufacturing plant in Ireland. However, we use some of the top European manufacturers to produce products for us. This allows us to modify standard products to suit the Irish market exactly and, more importantly, to develop new products. We looked very closely at manufacturing our own heat recovery unit in Ireland but we felt that for production viability reasons our product would not receive the necessary ongoing research and development.

“We now work with two of Europe’s leading manufacturers of heat recovery ventilation, one of which has a superb research and development facility with the budget to match and a willingness to pioneer products for markets which do not utilise heat recovery as a source of energy. We are currently involved in a very interesting joint venture development with this manufacturer for a revolutionary new type of heat recovery unit, details of which should be unveiled mid 2008.

“By working this way we believe that we are able to provide the Irish market with the most up-to-date and technologically-advanced products in heat recovery ventilation and it is one step towards our goal of providing sustainable ventilation.

“In the meantime we are concentrating on creating awareness for some of the immediate ventilation solutions available, which can help dramatically reduce the carbon footprint of certain types of commercial buildings. Ventilation systems using DC motors and with high levels of heat recovery are currently one of the most efficient ways to ventilate a building.”

As we go to press MTD has just launched its new CERV series

9000 range of units. There is an indoor unit which has been developed for balanced ventilation systems in non-residential buildings or multi-storey dwellings. There is also an outdoor unit (suitable for roof mounting). Both versions are available with airflows ranging from 800 to 4,400m<sup>3</sup>h.

Main features on both units are:

- Balanced ventilation with heat recovery;
- Controlled air supply and exhaust;
- Heat recovery yield of 90%;
- DC motors with constant volume;
- 100% exchanger bypass including automatic drive;
- Plug and Play.

The units are also available with hot water reheater and cooler. These units are ideal for small commercial applications where energy conservation is a priority and a high level of indoor air quality is required. MTD uses its EU F8 pollen filters in all the MTD Series 9000 CERV units.

In addition, the CERV 9000 Series is ideally suited to district heat recovery ventilation schemes in apartment blocks, nursing homes and schools.

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