

AAA

VENTS LTD

Grease and Dust Extraction Specialists

eCube *Energy saving in commercial refrigeration*

Dear Customer

In a society continuously encouraged to reduce energy consumption, lower CO2 emissions and reduce waste, going 'green' has fast become the cornerstone of business.

The eCube represents a cost effective and 'Green' solution to the commercial catering industry. This revolutionary product was the brainchild of British engineers whose invention has been patented globally, been widely tested both in-house as well as by independent bodies and has proven to reduce energy consumption by up to a staggering 33%. The result of this simple but effective product, is huge savings on electricity bills as well as other business benefits.

A neat, small, wax cube with a robust plastic outer casing this product has proved to be a revolution in areas where refrigeration of product is essential. Easily installed onto a thermostatic sensor it is designed to allow fridges and freezers to mimic the core temperature of food. Instead of responding to fluctuating air temperatures the refrigeration units will now respond to food temperature.

The reason for this change is that refrigeration units work on cycles related to air temperature by monitoring changes, working accordingly in relation to any change in order to maintain the correct temperature. However air temperature changes much more erratically than food, therefore making refrigeration units work harder than required.

With the installation of the eCube refrigeration cycles are reduced and last longer, while the temperature of the food is kept constant. This results in lower electricity bills, reduced CO2 emissions, lower noise pollution as well as an increase in the equipments life expectancy.

Installations of the eCube are seeing great results with leading supermarkets, breweries, hotels and eateries worldwide seeing the benefits it can provide.

We are honoured as an organisation to be involved with such a revolutionary product, with the impact it can have on our environment and the savings it can create for your organisation

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In the UK alone, refrigeration leads to over 3 million tonnes of CO₂ emissions.



The Product

eCube comes in 3 sizes with the most efficient dependent on refrigeration unit size. The smallest of the 3 is 2 inches square and is positioned over the thermostat of a commercial refrigeration unit.

The wax simulator at the heart of the device allows the refrigeration unit to operate based on food as opposed to air temperature, thus reducing the number of compressor cycles of the unit.

Benefits of the eCube include:

- **Considerable reduction in electricity usage**
- **Large reduction in CO2 emissions**
- **Noise reduction**
- **Increased life expectancy of equipment due to less wear and tear**
- **Reduction in breakdowns**
- **Reduced sensor failures as the sensors are protected by the eCube**
- **Food monitoring leads to safer food and less product spoilage**

This device is a one time fit product, it requires no further attention or maintenance when in position and is guaranteed by the manufacturer for 5 years. It is estimated that the eCube will provide a return on investment within 12 months, creating massive savings and benefits for your organisation



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According to the Carbon Trust, UK industry spends £300 million per annum on energy for refrigeration.

Testimonials

Do not take our word for it that this product is a revolution take the word of those whose have tried it

‘.....We have carried out an independent trial with an eCube in one of our on-site kitchens, through the trial we made an energy saving of 17.78%. Based on these savings we will be rolling out the eCube across all of our sites. It is a simple idea that seems to be very effective in energy saving which will lead to a reduction in CO2 emissions’.



Mike Wells, *Head of Facilities,*

‘.....When we first heard about the eCube, we wanted to test it as quickly as possible. We arranged for a large scale trial to be completed and once the results were in, we immediately implemented the eCube at the Riverbank Park Plaza. As a result of installing over 150 eCubes, we are saving appx £17,000 per year on our electricity bill. Since the successful trial at Riverbank the eCube is now being installed through out the Park Plaza Hotels in the UK’.



David Bell, *Chief Engineer, Riverbank Park Plaza Hotel*

‘.....When we saw the advert for the eCube we were just beginning our environmental project. Trials were set up and showed the savings made it an invaluable product to use. We have asked all our 150 kitchens to have them fitted and our client response has been extremely positive. Everyone from eCube have been extremely helpful, I have no hesitation to recommend them to others’.

Caroline Fry, *Joint Managing Director, Charlton House Catering Services Ltd*



Other testimonials include Welcome Break Group, Ramada Plaza Gatwick, Radisson, SAS London Stanstead Airport Hotel & SAS London Portman Hotel and Holiday Inn Kings Cross



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