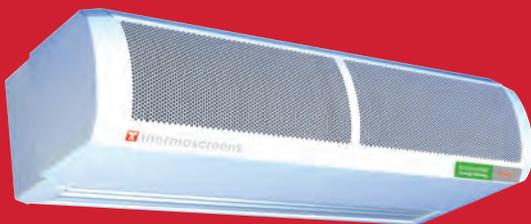


Warm Air Curtains now with efficient VRF Heat Pump technology



Energy saving and keeping a comfortable working environment are the main reasons for installing a warm air curtain.

An open doorway or a door that is continually opening and closing in an office or retail environment will benefit from an air curtain being installed. In the winter, cold air is kept out and warm air kept in, and in the summer, cool air-conditioned air is kept in and hot air from outside is kept out. Air curtains provide energy and cost savings as well as producing a much more comfortable internal environment for staff and customers.

The majority of air curtains installed in the UK are a direct electric type which are very expensive to run, but this has now changed since the launch of the Mitsubishi Electric Heat Pump Warm Air Curtain.



Mitsubishi Electric launched the first heat pump air curtain in 2008 in collaboration with Thermoscreen and it was very well received in the industry as a much awaited development for heat pumps.

These units are DX split type with a single air curtain connected to a single outdoor unit, utilising Mitsubishi Electric's highly efficient power inverter heat pump to substantially reduce running cost and CO₂ emissions, whilst keeping the capital cost to a minimum.

These units were targeted at the retail sector for its energy saving and relatively low capital cost; however, it could not possibly suit every application. With the success of the launch, further models and formats were asked for as our clients began to see the benefits that the heat pump air curtain could give.



In 2009 the launch of the VRF air curtain from Mitsubishi Electric has given even further application choices, especially for larger commercial applications.

The VRF air curtain connects to both the heat pump and heat recovery variant, enabling the air curtain to be connected to the same system that is providing the air-conditioning, thus saving on installing another outdoor unit with the additional electrical wiring and refrigerant pipe work.

The VRF air curtain can also be used for cooling as well as heating adding further flexibility to the air conditioning in the building. When the doors are closed then the heating and cooling delivered by the air curtain will add to the heating and cooling delivered by the AC. With the ability to connect to heat recovery VRF comes the potential to tap into recovering heat from other parts on the building; for example, any rooms that predominantly needs cooling throughout the year such as photocopy rooms, meeting rooms, kitchens and IT suites etc can be used as the heat source for the air curtain in Spring Autumn and Winter, thus significantly reducing running cost and CO₂ emissions.

Both the VRF and inverter split models are available in 1m, 1.5m and 2m lengths and in either exposed or ceiling concealed versions.

Heat Pump Warm Air Curtains provide energy and cost savings as well as producing a much more comfortable internal environment for staff and customers, whether using the Power Inverter models or the newly launched VRF versions.



Mitsubishi Electric

Known the world over, Mitsubishi is a brand synonymous with a variety of products and services. Founded in 1887, the company knows how Mitsubishi Electric stands true to the heart of the heating and cooling industry, a position we still enjoy today.

As a leading manufacturer of energy efficient heat pump systems, we constantly strive to meet and exceed the increasing demands placed on our industry. The drive to reduce energy consumption and the impact this has had on the environment is crucial and increasingly important to us. Energy efficiency has long been Mitsubishi Electric's core philosophy and through huge amounts of research and developing the solutions of the future.

responsible manufacturing

Mitsubishi Electric boasts an explicit commitment to sustainable business practices such as energy and resource efficiency, minimising ecological impacts of our products and reducing greenhouse gas emissions. We are the only manufacturer in the industry recognised by ISO 14001 as one of the top ten companies in the world for our sustainable environmental policy. All of our factories are also ISO 14001 registered, the international standard that specifies a process for controlling and improving a company's environmental performance, and with the advent of our Green Gateway Initiative we strive to ensure a greener planet for future generations.



The Forest Stewardship Council (FSC) is an international network promoting responsible management of the world's forests. This paper this catalogue is printed on supports the development of responsible forest management practices. The wood comes from FSC certified, well managed forests, company certified sources and/or recycled material.

Thermoscreens

Presented in a complete design, Thermoscreens are metal heating manufacturers of high quality in response with an excellent sound-absorbing and acoustic insulation for products.

Thermoscreens produce a comprehensive range of treated, ambient air products from outdoor and indoor use. The products are made from metal, brass, aluminium, steel, stainless steel and reinforced aluminium. Our products are designed to meet ISO, CE and EN standards and are backed by top quality brand reputation offering outstanding design, service, safety, stability and reliability.

Thermoscreens operate a quality management system awarded to ISO 9001:2008 and an Environmental Management System to ISO 14001:2004.

For further details on the
Heat Pump Warm Air Curtain Range

please ring the Corporate Sales department on

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