



# PRICE

ENGINEERED SOLUTIONS Ltd

*DELIVERING EXPERTISE*

*INNOVATIVE  
VENTILATION  
& HEATING*

# DELIVERING INDUSTRY EXPERTISE

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*We operate from our manufacturing base in Bristol where we create and distribute our products.*

*We have a dedicated team of sales engineers and representatives throughout the UK and Ireland offering exceptional customer service.*

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**COMMITTED TO BECOME  
THE INDUSTRY'S LEADING  
SUPPLIER OF VENTILATION  
AND HEATING IN THE UK**



# NATURAL VENTILATION

Natural ventilation is a proven, low energy, environmentally friendly solution that will deliver and control airflow, creating a comfortable, productive environment.

It is important to consider natural ventilation in early project development, as efficiency and aesthetics can be greatly improved when integrated into a building's design. We offer single sided, cross-flow and passive stack ventilation as well as wind driven and mixed mode solutions. Strategies are often combined to provide the most effective result.



## THE BENEFITS

- *REDUCED ENERGY USE*
- *IMPROVED CARBON FOOTPRINT*
- *IMPROVED WORKING ENVIRONMENT*
- *COST EFFECTIVE SOLUTION*



# RADIANT PANELS

Radiant heating uses linear panels to create a radiant field inside a space, heating solid objects in the room that then re-radiate heat to give a comfortable warming effect.

The technology is ideally suited to hospitals, schools, laboratories and public buildings, providing a silent, draft-free, thermally stable environment. An aseptic environment can be easily achieved and maintained as our panels have no moving parts and a flush finish.

Our radiant panels are ideal for new build or refurbishment, straightforward to install and architecturally unobtrusive. We offer ceiling and wall-mounted units giving design flexibility and a clean, modern appearance.

## THE BENEFITS

- *MAXIMISES INTERNAL SPACE (CEILING OR WALL MOUNTED)*
- *ELIMINATES RISK OF CONTACT*
- *VIRTUALLY MAINTENANCE-FREE*
- *INTEGRATES INTO THE BUILDING*
- *LOW-PROFILE*



# EXTERNAL LOUVRES

Our external louvres are suitable for intake or exhaust applications and are designed to provide protection against general weather conditions. We offer a wide range of features and finishes to compliment any structure's exterior styling.

Our range has been developed to meet the needs of a full spectrum of applications. We offer high weather performance louvres (EN13030 Class A), louvres to integrate into a glazing system and screening louvres, all of which can be painted to a RAL classic colour as standard. Please contact a *Price TWA* engineer for advice on solutions for your application.



## THE BENEFITS

- RANGE OF HIGH QUALITY FINISHES
- DURABLE AND LOW MAINTENANCE
- VARIOUS MOUNTING OPTIONS



# CHILLED BEAMS

Chilled beams operate using water-based heat exchangers and can provide both heated and cooled air. The system allows a flexible solution to indoor climate control with minimal maintenance.

We can offer both passive and active beams providing cooling and heating to a space, with active beams having the added benefit of providing ventilation. The technology is ideally suited to offices, hospitals, hotels and shops, providing a quiet, draft free, comfortable environment.

Chilled beams are ideally suited to heat pump systems as low heating temperatures and relatively high cooling temperatures are used. The units can be installed in high, low and suspended ceilings and offer a large amount of architectural freedom.

## THE BENEFITS

- MULTIFUNCTIONAL SYSTEM
- MAXIMISES INTERNAL SPACE WITH CEILING MOUNTED BEAMS
- LOW MAINTENANCE
- LOW BUILT-IN HEIGHTS
- HEAT PUMP COMPATIBLE





# HEAT RECOVERY

Our heat recovery products provide warm, clean air into a building while removing stale internal air. We offer system controls that can integrate into any Building Management System (BMS).

Each unit comes complete with filters that deliver clean, fresh air to the indoor environment. The filters also protect our highly efficient heat exchange unit, which can perform in excess of 90% efficiency. An integrated by-pass damper system allows our units to operate effectively throughout the summer months.

The system can be used in any domestic building or larger buildings such as schools, offices, workshops and sport centres.



## THE BENEFITS

- *HIGHLY EFFICIENT HEAT EXCHANGER*
- *ACOUSTICALLY AND THERMALLY LINED*
- *INTEGRATED CONTROLS*
- *SHALLOW DEPTH UNITS*



# VAV & CAV BOXES

Variable Air Volume (VAV) and Constant Air Volume (CAV) units are increasingly used for the energy savings they can provide. As well as offering a reliable, cost-effective ventilation solution they can also offer heating and cooling.

VAV systems vary the amount of air supplied to a given area, offering lower energy consumption of central air handling plant. Local reheat coils can be supplied for zone heating requirements.

CAV systems deliver a constant flow of air into a specified area offering ventilation and temperature control.

Attenuation can be integrated or separate from either system.



## THE BENEFITS

- *SIMPLE AND RELIABLE*
- *COST EFFECTIVE*
- *ENERGY EFFICIENT*
- *INTEGRATION WITH BMS*



# DISPLACEMENT

Displacement systems are particularly suitable to cool and ventilate large internal spaces, such as high-ceilinged offices, auditoria, factories and exhibition venues.

Operating on simple convection principles displacement ventilation introduces cool air into a building at floor level. The cool air absorbs heat from sources within the room (computers, people, lighting and machines) and is forced to rise above the occupied zone. It is then extracted through outlets (such as grilles) at high level.

Displacement ventilation offers very good indoor air quality as it introduces air at floor level, displacing contaminants with the air that rises out of the occupied zone.



## THE BENEFITS

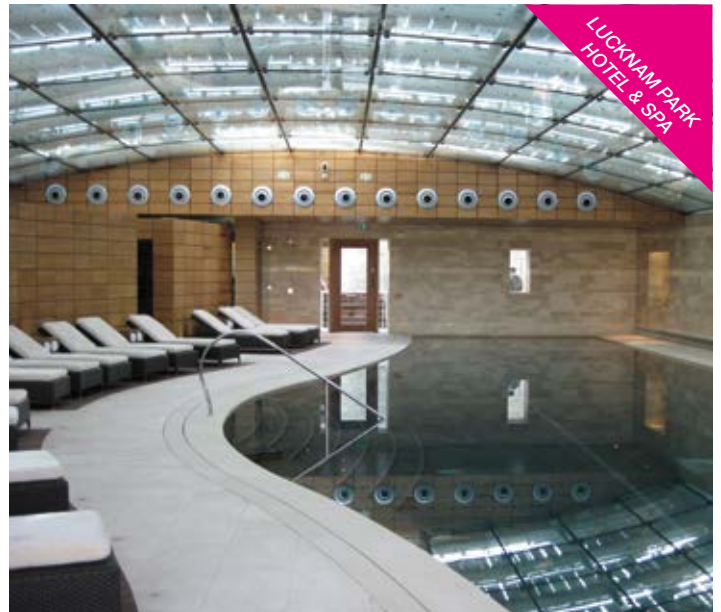
- *HIGHLY EFFICIENT AT VENTILATING AND COOLING LARGE AREAS*
- *REDUCED ENERGY CONSUMPTION*
- *IMPROVED AIR QUALITY AND THERMAL COMFORT*



# GRILLES & DIFFUSERS

Our fully tested grilles and diffusers range provide great design flexibility, with products suitable for wall, ceiling, floor and door mounting. They are produced using aluminium or steel with a range of polyester powder coating or anodized finishes. They combine durable, long-term performance with attractive and functional design.

Our range has been developed to meet the needs of a full spectrum of applications, design and performance requirements. Please contact a *Price TWA* engineer for specific solutions to your application.



## THE BENEFITS

- *RANGE OF HIGH QUALITY FINISHES*
- *DURABLE AND LOW MAINTENANCE*
- *PRODUCTS FOR WALL, CEILING, FLOOR AND DOOR*



# AIR HANDLING UNITS

Delivering air volumes from around 1m<sup>3</sup>/s to in excess of 10m<sup>3</sup>/s our air handling units (AHU) can provide ventilation, heating, cooling and filtration as well as humidity control to a wide range of buildings.

Our custom-built units operate using highly efficient heat recovery systems and can be tailored to suit any application. The unit can be installed internally or externally and typical applications include hospitals, office buildings, pharmaceutical plants, swimming pools and shopping centres.



## THE BENEFITS

- *TAILOR MADE FOR YOUR APPLICATION*
- *ENERGY EFFICIENT*
- *FULL CONTROLS PACKAGE AVAILABLE*



# FAN COIL UNITS

Fan coil units provide heating and cooling through water based heat transfer. The system is economical to install and offers effective temperature control.

Fan coil units are connected to a building's LTHW and chilled water systems to provide warm or cool air into a zone within a building. The units are ideally suited to open plan and cellular offices. With an exceptionally low Specific Fan Power and ECM motors we can offer the most efficient and flexible heating and cooling solution in the market.

## THE BENEFITS

- *MODULAR SOLUTION*
- *ENERGY EFFICIENT BRUSH LESS ECM MOTOR*
- *INFINITELY VARIABLE SPEED*

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# PRICE

ENGINEERED SOLUTIONS <sup>Ltd</sup>

## *INNOVATIVE VENTILATION & HEATING*

- Natural Ventilation
- Radiant Panels
- External Louvres
- Chilled Beams
- Heat Recovery
- VAV/CAV Boxes
- Displacement
- Grilles & Diffusers
- Air Handling Units
- Fan Coil Units



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