

# TOMORROW'S CLIMATE SOLUTIONS TODAY



**Biddle**



# DELIVERING INNOVATIVE CLIMATE SOLUTIONS

Biddle are a world leader of air diffusion technologies, we have been delivering innovative climate solutions in the field of heating, ventilation, cooling and climate separation for the past 90 years. With manufacturing bases in the UK and the Netherlands and sales offices in France, Germany, Belgium and Canada, we can deliver tailored solutions to customers across Europe and North America.

## OUR APPROACH

We work in partnership with our customers and their contractors at every stage, from planning and design to implementation and performance monitoring.

## OUR SOLUTIONS

Our solutions are bespoke; individually designed to meet the requirements of each customer.

## OUR PRODUCTS

Our products are 'engineered to last' and built around patented technologies that maximise efficiency and minimise energy consumption.

## OUR SERVICE

Support and technical back-up are provided by a team of experts who are skilled in delivering solutions specific to each customer's requirements.





# OUR RANGE OF PRODUCTS

## COMFORT AIR CURTAINS



Open doorways make buildings more welcoming and inviting. However, they can lead to significant heat loss, resulting in higher energy bills and reduced customer comfort. Biddle's industry-leading air curtains greatly reduce the amount of heat lost and condition incoming air before it enters the building.

### BENEFITS

- Lower running costs - energy consumption reduced
- Less strain on the heating system - reduces maintenance and increases equipment life
- Lower CO2 emissions - helps you meet your sustainability targets
- Improved air quality - stops exhaust fumes, dust and flying insects entering the building
- Open door effect - improves footfall and increases sales in retail environments
- Increased comfort - provides optimal climate conditions and increases dwell time in retail outlets

### APPLICATIONS

- Retail outlets
- Shopping centres
- Public Buildings
- Schools
- Hospitals
- Commercial Buildings

## LARGE SPACE CLIMATE CONTROL



Biddle's range of innovative energy efficient heating solutions meet the needs of industrial buildings of all shapes, sizes, and ages. From traditional factories and warehouses to modern, purpose-built manufacturing plants and distribution centres.

### BENEFITS

- Wide range to suit all types and sizes of building
- Innovate technology maximises comfort and minimises energy costs
- Tried, tested and proven - reliable, low maintenance, long lasting
- Excellent heat distribution - fewer units required to heat large spaces
- Quick and simple to install - lower installation costs
- Flexible controls - easy to use, manual or self-regulating

### APPLICATIONS

- Factories
- Warehouses
- Distribution centres
- Food processing plants
- Cold stores

## INDUSTRIAL AIR CURTAINS



Unhindered access is essential for manufacturing plants, warehouses, and distribution centres and exhibition halls. However, open doorways can lead to heat loss and increased energy costs. Biddle's Industrial Air Curtains reduce air movement between climate zones, without creating a physical barrier to the movement of people or goods.

### BENEFITS

- Up to 80% climate separation efficiency - with no physical barrier
- Free movement of people and equipment maximises efficiency
- Increased comfort creates a more productive working environment
- Better visibility reduces the risk of accidents improving safety
- Lower running costs - energy consumption reduced by up to 74%
- Less strain on heating system - reduces maintenance and increases equipment life
- Lower CO2 emissions - helps you meet your sustainability targets

### APPLICATIONS

- Factories
- Warehouses
- Distribution centres
- Food processing plants
- Exhibition halls
- Retail outlets

## HEATING AND VENTILATION



Reducing energy costs and creating a healthy well-ventilated environment are key considerations for any business. Biddle's industry-leading range of heating and ventilation products offers a solution for virtually any building, from schools and offices to factories and warehouses.

### BENEFITS

- Wide range to suit all types and sizes of building
- Quick to heat up - effective in all environments
- Innovate technology minimises energy costs
- Excellent air distribution - maximises comfort and productivity
- Quick and simple to install - lower installation costs
- Easy to relocate if the use of space changes
- Choice of controls to suit any application

### APPLICATIONS

- Schools
- Hospitals
- Libraries
- Care homes
- Churches
- Showrooms
- Leisure centres
- Warehouses
- Retail outlets
- Manufacturing plants
- Commercial buildings
- Distribution centres



# OUR RANGE OF PRODUCTS

## FAN COILS



Compact and cost-effective, Fan Coils are an ideal solution for both new build and refurbishment projects. Biddle's comprehensive range meets the needs of buildings of all types and sizes, from offices and hotels to cinemas and museums.

### BENEFITS

- Simple design - everything you need in a single unit
- Cost effective - economical to buy, install and maintain
- Compact design - ideal when space is at a premium
- Individual control - maximises comfort for each user
- Easy to relocate if the use of a room changes

### APPLICATIONS

- Office buildings
- Hotels
- Schools
- Hospitals
- Care homes
- Retail outlets
- Cinemas
- Museums

## HEAT RECOVERY



Maintaining a constant comfortable climate in large buildings uses a considerable amount of energy. Biddle's innovative heat recovery technology recovers heat from outgoing air and uses it to warm cool incoming air, resulting in significant cost savings.

### BENEFITS

- Recovers up to 80% of the heat from extracted air
- Standalone product or part of a complete climate solution
- Compatible with Biddle NO<sub>2</sub> air heaters and Comfort Circle cassettes
- Six operating modes optimise comfort all year round
- Automatic control - self-regulating, always the right setting
- ERP ready - complies with national and international legislation
- Remote control and monitoring via BMS
- Full design and project management service

### APPLICATIONS

- Supermarkets
- Department stores
- DIY stores
- Conference rooms
- Hotels
- Schools
- Restaurants
- Sport halls
- Distribution centres
- Warehouses

## PARTNER APPROACH

Whether you're looking for a specific product or a complete climate control solution, we make it our business to get to know your business. So, we can deliver a solution that will meet your exact requirements.

Our partnership approach includes:

- Working with you and your team to identify the most appropriate products for your site or sites
- Partnering with leading technology and controls specialists to deliver a total climate control solution, where appropriate
- Installing and commissioning your choice of products
- Expert after-sales and technical support, delivered by experienced people who understand your business's specific requirements
- Ongoing performance monitoring to ensure continuous improvement

## ENVIRONMENTAL MANAGEMENT

Sustainability and responsible environmental management are key considerations in everything we do:

- Our patented technologies save energy and reduce CO<sub>2</sub> emissions
- We use environmentally friendly materials and long-life components to minimise waste
- Eco-friendly controls minimise energy consumption
- Performance monitoring delivers ongoing efficiency gains

## QUALITY ASSURANCE

Quality is our No.1 priority in everything we do. From the design and manufacture of our products, through to the speed of their delivery and responsiveness of our after-sales service.

All of our products are:

- Thoroughly researched and rigorously tested at every stage of their development
- Made with high-quality, long-lasting components and modern control equipment
- Manufactured in accordance ISO 9001 and ISO 14001 quality standards
- Designed to meet all relevant CE directives
- Accompanied by clear and comprehensive documentation

### LEAN MANUFACTURING

We constantly review our production processes to ensure continuous improvement.

## BIDDLE AIR SYSTEMS

St. Mary's Road  
Nuneaton  
Warwickshire  
CV11 5AU

**T** +44 24 7638 4233

**E** sales@biddle-air.co.uk

**www.biddle-air.co.uk**



# Biddle

Every effort has been made to ensure descriptions are correct at the time of print.  
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