

# AIR HANDLING



## OUR VISION

To solve problems and provide solutions.

## OUR PROMISE

To offer our customers bespoke, value for money and energy efficient HVAC selections. Manufactured to meet the most rigorous commercial and industrial standards, delivered on time, every time.

## OUR SOLUTION



OUR DESIGN, OUR RESPONSIBILITY, OUR GUARANTEE

Award winning manufacturer, Mansfield Pollard have provided unique HVAC solutions for healthcare, leisure, education, pharmaceutical and restaurant sectors for over 40 years.

Our mission is to provide total customer satisfaction through innovative design and solutions driven manufacturing.

Combining extensive air management experience with our in-house technical support, allows us to offer you the guarantee of a complete 'one-stop' design and technical solution for all your projects.

Through our highly trained engineers and dedicated workforce, we deliver a standard and quality that gives our customers the confidence to keep coming back.

Mansfield Pollard, a breath of fresh air....



# AIR HANDLING UNITS

Our design philosophy is to create highly efficient equipment that integrates the latest technologies. Every unit is reliable, long-lasting, easy to install, maintain and operate. Our units are manufactured to the highest standards using modern manufacturing techniques whilst always maintaining a flexible approach to meeting customer deadlines.



## FEATURES:



### TAILOR MADE

Buildings always present different problems and complications. We believe in a no compromise approach so whatever your requirements, we custom design, manufacture and build the perfect solution.



### ROBUST CONSTRUCTION

Our units are built to last. We employ a wide range of construction methods and use materials to suit all locations and environmental conditions.



### PACKAGED UNITS

Our bespoke solutions also include fully packaged units manufactured in-house and incorporating heat pumps or cooling coils with associated condensing unit sections and fully factory wired automatic control systems.



### REGULATORY COMPLIANCE

Our units are designed in compliance with all current legislation including the latest ISO/BS/EN standards, HTM-03, and ErP Eco-Design directives.

# TOTAL SOLUTIONS

By utilising our in-house, fully qualified design engineers we can meet all your HVAC comfort and environmental conditions.

From general ventilation systems, filtration, temperature and humidity control to large scale commercial and industrial chilled water, refrigeration, heating, cooling and acoustic solutions, we utilise our extensive air management experience to design tailor made, energy efficient solutions.



## OPTIONS:



### REFRIGERATION

We supply and install a full range of high quality, custom condensing units. We also provide all on-site interconnecting refrigerant pipework, pressure testing and commissioning.



### SPECIALIST DUCTWORK

Our in-house team provides bespoke solutions for a wide range of industries and applications, specialising in fire resistant Durasteel® and stainless steel ductwork.



### VIBRATION & ACOUSTIC CONTROL

Our extensive knowledge providing acoustic solutions, means we can meet your specification no matter how complex. We are specialists in providing noise control products and ventilation solutions to the power generation, CHP and UPS markets.



### CONTROL SYSTEMS

Energy efficiency is paramount to our design process. We combine our extensive knowledge of controls with our air management, refrigeration and acoustic capabilities to ensure your system works at peak performance at all times.



# PROJECT PROFILES

## ASTRA ZENECA - 15 AHU's up to 19m³/s

### The Challenge:

The units were required to operate 24/7/365 with stringent vibration / noise levels and constant volumetric pressure.

### The Solution:

Dual fan configurations for N+1 redundancy and vibration sensors to detect performance levels. Rigorous in-house and on-site testing.



## UPS - LONDON GATEWAY

### The Challenge:

Supply energy efficient, heat recovery air handling units capable of variable delivery of air up to 16.5m³/s to a 32,000m² multi-site warehouse network.

### The Solution:

To incorporate segmented thermal wheels in excess of 4m diameter and a TREND® controls package fully integrated with client's BMS software.



## QUEENS MEDICAL CENTRE - NOTTINGHAM

### The Challenge:

To deliver and install units to HTM-03 specification with problematic access and footprint issues within four weeks.

### The Solution:

A combination of bespoke footprint design, flat-pack construction and workforce flexibility ensured we delivered the ideal solution on time.



# MANSFIELD POLLARD

ESTABLISHED 1866

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### HISTORY:

Mansfield Pollard was founded in Bradford in 1866, as sheet metal fabrication specialists to the thriving woollen trade. Changes in industry over the years, have provided opportunities for diversification, and Mansfield Pollard has evolved into innovative air management experts who design, manufacture, install and commission a diverse mix of products and solutions.

### AREAS OF EXPERTISE:



#### AIR HANDLING

Leading AHU designers & manufacturers



#### KITCHEN VENTILATION

Experts in bespoke kitchen ventilation solutions



#### ACOUSTIC CONTROL

Design, supply and installation of bespoke noise control solutions



#### TOTAL SOLUTIONS

Total ventilation solutions & project management



#### CONTROLS

Specialist systems designed and built in-house



#### REFRIGERATION

Bespoke process cooling solutions

### QUALIFICATIONS & ACCREDITATIONS:



### THE TEAM:

Our team at Mansfield Pollard work hard to create a progressive, diverse workforce, and take pride in our positive approach to overcoming challenging situations. Creating a collaborative culture and promoting an engaged, multi skilled and agile workforce, is at the heart of our ability to achieve success.

We are committed to participating in numerous apprenticeship programmes, and playing a prominent role in building an enduring legacy of engineering excellence in the region. We are always delighted to welcome visitors to our multi site manufacturing facilities in West Yorkshire to see our operation in action.

To arrange a visit please contact [salesteam@mansfieldpollard.co.uk](mailto:salesteam@mansfieldpollard.co.uk).





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AIR HANDLING UNITS