

Precise Air Management
Product Range > Air Handling Units



Fläkt Woods experience – at your service

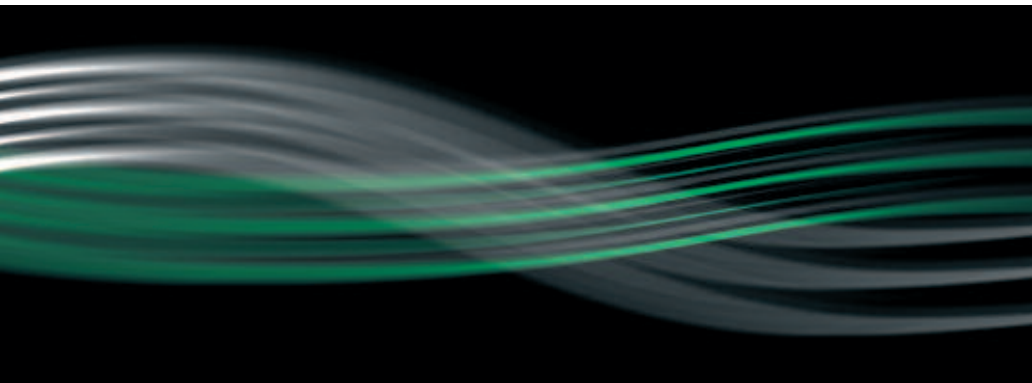
Fläkt Woods is a global leader in air management. We specialise in the design and manufacture of precision technology to deliver complete, integrated solutions. In everything we do, energy efficiency and environmental responsibility are always our major priorities. And our collective experience is unrivalled.



Our knowledge and reputation has been built up through a century of engineering innovation and development. This reflects an impressive track record that equips all our customers with a special confidence. An assurance that, whatever the need or application, Fläkt Woods can deliver the product, the performance and the service that is required. Precisely.

Our expertise is not confined to original manufacture and supply. It is available to you from the selection process onwards, and continues well beyond installation, throughout each system's operating life.

When you first select and install one or more of our systems, our partnership with you is only just beginning. Because you'll always be able to call on Fläkt Woods experience. We're at your service.



Fläkt Woods systems summary

The comprehensive Fläkt Woods range serves a very wide spectrum of applications: across Commercial, Industrial, Public and Residential sectors.

Systems to create integrated air quality solutions include

- Air Handling Units
- Chillers
- Chilled Beams
- Axial and Centrifugal Fans
- Other Air Terminal Devices and Ducts
- Integrated controls

Air Handling Units

Comprehensive options: the EU Modular ranges – including Econet for maximum energy conservation and Hygiene for environments with special needs; the EC Compact range for limited-space applications; VEKA small units for ceiling voids; and Sting compact supply and exhaust units with thermal wheels.

Total air quality solutions – precisely

Indoor air quality has never been more important. It's the object of increasingly stringent regulation and subject to today's sharper focus on energy efficiency. But getting it exactly right can also bring you valuable long-term benefits.

For example, it raises productivity levels in enclosed workplaces, improves comfort levels in hotels – and sustains optimum conditions for patients and staff in healthcare environments.

Find the right system to achieve these advantages – and you can also expect reductions in both energy consumption and operating costs. Fläkt Woods has it all.

The perfect combination

The ideal indoor climate is dependent on the correct combination of several factors.

- **Ventilation**
The supply of fresh air – without uncomfortable draughts
- **Temperature**
Via cooling, or heating, to the optimum levels
- **Humidity**
A proper balance for personal comfort and health
- **Air purity**
The dilution of CO₂ and filtration of harmful or irritating particulates
- **Noise**
No distractions from functioning systems

At Fläkt Woods, we have the systems and expertise to give you that combination.

From one expert source

Fläkt Woods is unique. We are the ONLY systems company capable of providing the entire indoor climate solution for each individual project.

That means we can deliver all the air management functions, capacity and performance that a building requires – both within specific areas and for the entire structure.

Within each designed installation, all Fläkt Woods system elements are fully compatible with each other for maximum integrated operational efficiency.

In short, our expertise has precisely the answer you need.

Contents

Project planning

| | |
|-------------------------------|---|
| Getting the right balance | 4 |
| Why Fläkt Woods gets it right | 4 |
| Weighing the factors | 5 |

Functionality and features

| | |
|--------------------------------|---|
| Achieving complete performance | 6 |
|--------------------------------|---|

Life cycle costing

| | |
|-------------------|---|
| Investing to save | 7 |
|-------------------|---|

Energy recovery

| | |
|--------------------------|---|
| Maximising the potential | 8 |
| Evaluating the options | 9 |

High efficiency energy recovery

| | |
|------------------------------------|----|
| Econet®: integrated energy circuit | 10 |
|------------------------------------|----|

Cooling component units

| | |
|--------------------------|----|
| Reducing air temperature | 11 |
|--------------------------|----|

Modular AHUs

| | |
|----------------------|----|
| For full flexibility | 12 |
|----------------------|----|

Compact and small AHUs

| | |
|---------------------------|----|
| Where space is restricted | 13 |
|---------------------------|----|

Controls

| | |
|---------------------------------------|----|
| ControlMaster: integrated or separate | 14 |
|---------------------------------------|----|

System selection

| | |
|------------------------|----|
| ACON web-based program | 14 |
|------------------------|----|

Further information/guidance

| | |
|---------------------------|----|
| Unrivalled R&D facilities | 15 |
|---------------------------|----|



Project planning

Getting the right balance

The best solutions emerge from seeing the big picture. From understanding and accurately weighing up all the relevant issues and factors. And from having a product portfolio that can offer complete and appropriate systems.

Fläkt Woods is the only company with the expertise and technology to deliver this combination. The perfect balance of function, engineering, performance and control to satisfy today's dominant priorities for indoor climate management.

Current priorities – and future challenges

Legislation and regulation are increasingly powerful drivers. Focusing on the quality, safety and comfort of air within buildings, and on the energy consumption to achieve and sustain this optimum environment.

In periods of economic uncertainty, commercial considerations come into even sharper focus. Not just looking to realise the full value and return on investment in new and existing buildings, but also to minimise ongoing operational costs.

So, for property owners and specifiers, the pressures – and the need to find precise answers for the complex challenges surrounding indoor air climate – are greater than ever.



Complying with statutory requirements

Required standards for air quality and energy efficiency in buildings are now much more stringent – with even more to follow. Specific targets and criteria have been set, and timetables for implementation are already underway.

Today, the indoor air climate agenda is heavily influenced by:

Building Regulations Part F – ventilation

2006 update included:

- Whole building air supply specifications for office areas increased by 25% to 10 litres per second per person (l/s/p)
- Other specific criteria set for air cleanliness and humidity

Building Regulations Part L – conservation of fuel and power

2006 update included:

- Lower SFPs and higher SEERs (for chillers)
- Tighter targets for CO₂ emissions
- Mandatory airtightness testing

Energy Performance in Building Directive (EPBD)

Defining and requiring:

- Minimum standards for energy performance in new and refurbished buildings
- Energy certification ratings, and the issue of Energy Performance Certificates



Why Fläkt Woods gets it right

Unlike other suppliers, we design and manufacture all the key components in our AHU systems, including fans and thermal wheels. It gives us unrivalled understanding of how they inter-relate, and maximum flexibility to create the perfect balance for any installation.

We have 6 Technical Centres around Europe with well over 250 Research & Development engineers in all.

That's why we can be sure that all our system elements and components – including Chillers and Chilled Beams – will work together to optimum effect.

It's also why you can have complete trust in Fläkt Woods solutions.

Weighing the factors

At Fläkt Woods, we believe that guesswork and compromise should have no place in system planning for individual buildings. The consequences would be inevitable: lost opportunities for optimisation of indoor climate management – and unnecessary cost.

We therefore make sure we can cover and accommodate ALL the considerations that will guide and influence the ultimate, ideal solution – and advise accordingly:



- **Applications**

The size and type of building – residential or non-residential, commercial or industrial, private or public, with conventional or special-need environments. Requirements vary accordingly – and so must system specification.

- **Function**

Controlling temperature, managing humidity, supplying fresh air, extracting and filtering used air. All could be relevant – or particular priorities apply (see page 6).

- **Occupancy**

In most buildings, many areas are unoccupied for part of the time – so demand varies. Operation should follow demand, unlike in traditional systems where constant airflow has been used.

- **Load requirements**

The foundation of each system specification, but requiring correct calculation to help avoid excess capacity, wasted energy and unnecessary costs.

- **Sizing**

System capability should be closely matched to performance needs – both in capacity and function.

- **Part-load performance efficiency**

Ensuring that there is no unnecessary energy consumption when the system is operating below full capacity (see page 6).

- **Space availability**

In some situations, available sites for location of air management plant may be restricted. So, while function and performance needs are undiminished, physical size of installed systems must be limited (see page 13).

- **Recoverable energy potential**

Wherever possible, any availability should be exploited and harnessed to help reduce consumption of mains-supplied energy (see pages 8-9).

- **Life cycle costing**

Better components and a smarter system can mean substantial cost savings on energy and maintenance over the system's service life (see page 7).

Our technology and product range has the breadth and flexibility to satisfy virtually every conceivable project need. And our long experience ensures you will be making an informed decision.

On-line selection tools

To help identify the right solution, Fläkt Woods offers strong support via our ACON software. This computer-aided, web-based selection tool can quickly point to the answer to your specific project requirements (see page 14).

EUROVENT and ISO certification

Once selected, you have the additional reassurance of independent certification. Fläkt Woods AHUs are certified by EUROVENT, and to ISO 14001 and ISO 9001 standards.



Bottom-line: the valuable benefits

Achieving exactly the right balance for indoor air climate management has many valuable implications – including substantial savings in energy costs and minimal maintenance costs.

But mainly in working environments, there are the proven financial benefits from reduced sickness and higher productivity.

And Enhanced Capital Allowance (ECA) tax breaks are available – off-setting your investment against taxable profits, and helping reduce the payback timescale.



Functionality and features

Achieving complete performance

There can be no weak links. Every element must play its part without detracting from other functions. The reward is total performance – efficient, controllable, and utterly reliable.

Our AHUs are designed to ensure a successful blend of the specific functions and qualities required for each individual case. The proven mutual compatibility of all components is an important benefit of any Fläkt Woods integrated solution.

In-built intelligent functionality

These combinations allow for intelligent recognition of differing needs: priorities and conditions that may change, and loads that can vary according to time of day, season, or building function.

● Cooling

Quietly and efficiently, bringing indoor temperatures down to comfortable levels. Countering heat from internal equipment, or, in Summer, from the outside air supply. And recovering cooling via high efficiency energy recovery devices, particularly with the use of indirect evaporative cooling.

● Cleaning

Air filters capturing and retaining airborne particulates, including those representing risk to health.

● Hygiene

Helping maintain 'extra-clean' environments requiring special protection against airborne contaminants: including healthcare, food preparation areas, pharmaceutical laboratories and electronic industries

● Heating

Using energy recovered from extract air and recycling it to contribute to the building's heating requirements.

● Humidity control

Maintaining comfort levels by adding moisture – or dehumidifying to eliminate excess moisture and so prevent internal 'rain' from air terminal devices such as Chilled Beams.

● Construction quality

Providing the strength and integrity to protect the combined technology and functionality of the unit: minimising noise, preventing air leakage and thermal bridging – whether weather-proofed for outdoor installation or standard for internal placement.

● Installation and maintenance

Systems designed for fast, efficient installation and commissioning. With good, practical accessibility to allow easy cleaning and maintenance routines.



Life cycle costing (LCC)

Investing to save

In the long run, smarter systems cost less. Benefiting budgets and bottom-lines – as well as the Environment.

Heating, ventilation and air conditioning is never a short-term need requiring a temporary solution. And quick-fix, up-front economising can prove to be very expensive. It pays rich dividends to take the longer-term view.

Recognising the long-term perspective

As for all our products and systems, Fläkt Woods AHUs are designed for long, reliable service. So, in system selection, operating costs are an essential and significant consideration.

In fact, conventional wisdom recognises that original capital investment in air management equipment typically accounts for just 10% of the end-user's total cost for the facility.

Routine maintenance can take up another 5% – and that leaves a massive 85% taken up by energy costs.

Sustained financial and ecological benefits

That's why, over a 20-year period, every extra percentage point in energy efficiency can add a significant extra helping of savings.

From a broader lifetime 'cost' perspective, reduced consumption of new energy will also make its own long-term 'green' contribution to the Environment.

This doesn't only rely on efficiencies in running individual components, or on their ability to match variable demands.

Maximising energy recovery, and its re-use within systems, can also provide substantial and sustained advantages (see page 9).

Already, Fläkt Woods' solutions such as Twin Wheel and our unique Econet® technology, are proving their worth in all aspects throughout the energy chain (see page 10).



- Energy 85%
- Investment 10%
- Maintenance 5%

How energy dominates service life costs

LCC: key influencing factors

Aside from external factors, such as mean ambient temperatures and energy price levels, each of the following technological influences can help maximise LCC savings:

- Low internal pressure drop
- Heating and cooling energy recovery level achieved
- High efficiency fans with optimised drive
- Low Specific Fan Power (SFP_v): 1.5-2.5 recommended
- Temperature ratio of the heat exchanger
- How this ratio relates to pressure drop in the heat exchanger
- Demand controlled ventilation – usage automatically related to occupancy levels
- Operating efficiency at part loads

Energy recovery

Maximising the potential



With the right air management technology installed in buildings, there's impressive scope for cutting energy consumption and costs.

On average, 68% of a non-domestic building's energy needs are shared between heating, cooling and ventilation.

An efficient energy recovery system is a vital ingredient because it positively affects the load on the cooling and heating functions.

Reducing energy bills

Recent changes to Building Regulations, requiring lower rates of air-leakage from buildings, have also raised the potential for energy recovery.

But this opportunity to improve the overall energy performance of a building can only be realised if the right energy-recovery technology is deployed. Efficiency is key to minimising consumption and reducing the bills.

Fläkt Woods has the technology options to ensure you maximise that potential.

Supplying more of heating needs

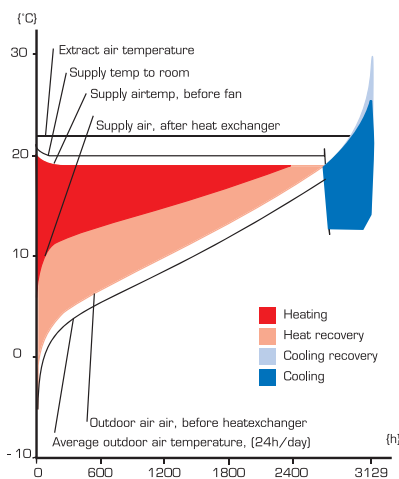
Each type has its own merits apart from its comparative energy recovery efficiency rating. Accordingly, ultimate choice (*see opposite*) may also be influenced by specific application needs.

In practice, AHUs rarely operate at peak load conditions. So the quoted efficiency ratings can actually deliver a greater proportionate reduction in energy demand for heat.

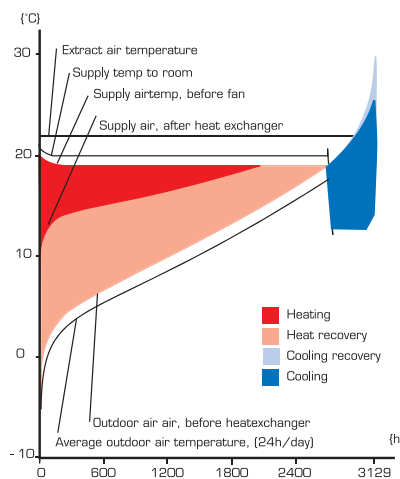
For example, 76% efficiency can typically reduce annual heating demand by as much as 95%. Meaning that, during certain periods, ALL heating requirements are being provided via recovered energy.

Examples: comparing the benefits of Fläkt Woods energy recovery technology

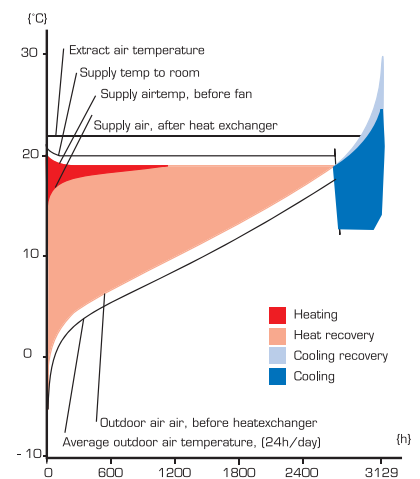
Increased efficiency means greater energy recovery (pink area) and reduced heating need (red area) – in both time and degree.



Ecoterm® run-around coil: at 42% efficiency



Recuterm® plate exchanger: at 57% efficiency



Regoterm® thermal wheel: at 76% efficiency

Evaluating the options



A choice of technology to fit differing applications – and ensure exactly the right system to exploit the recovery potential.

Choice depends on conditions applicable within each project. Highest efficiency options are not necessarily the best for certain applications.

Fläkt Woods heat exchanger technology includes:

Plate

Recuterm®

- Simple operation: no pump or control needed
- Odours/bacteria transfer risk is low
- Optional by-pass damper
- Temperature efficiency potential*: 50-60%
- Available as standard component in EU and EC units

Thermal wheels

Regoterm® and Turboterm®

- Compact dimensions: small space requirement within units
- Can recover moisture and cooling: reducing chiller load
- Supplied with speed control
- Temperature efficiency potential*: 75-85%
- Available as standard component in EU, EC and Sting units

Twin Wheel

- For projects requiring de-humidification and reheat of supply air
- A non-hygroscopic (re-heating) wheel, and a hygroscopic (pre-cooling) wheel – with a cooling coil
- Ideal for use with Chilled Beams to avoid moisture problems
- Excellent energy recovery in winter
- Temperature efficiency potential*: up to 100% of re-heat, and up to 50% of cooling requirements
- Available as component of EU and EC units

Liquid coupled (run-around) coils

Ecoterm®

- For projects requiring zero risk of cross contamination between supply and exhaust air
- Supply and extract units can be separate
- Temperature efficiency potential*: 45-55%
- Available as standard component in EU units

Econet®

- As for Ecoterm, but incorporating advanced technology for enhanced performance capabilities (see overleaf, page 10)
- Temperature efficiency potential*: 65-75%
- Available as standard component in EU units

*calculated at peak load and equal airflow

High efficiency energy recovery

Econet®: integrated energy circuit

Unique in the UK – a patented run-around coil system that can achieve up to 75% energy recovery efficiency. And it also helps more efficient use of space.

It's an intelligent system, fully packaged in 22 sizes as a unit for inclusion in EU modular AHUs. It combines energy recovery, heating and cooling in a single circuit, while keeping supply and exhaust air streams apart.

This eliminates risk of cross-contamination, and makes it an ideal solution for healthcare environments, food preparation areas and pharmaceutical production plants.



Continuous monitoring for optimum performance

Unlike conventional liquid-coupled systems, Econet® has unique controls. These are constantly monitoring airflow and water flow – and adjusting unit operation and functions to achieve optimum efficiency at each flow rate.

Heat is recovered or boosted as required in the same coil circuit. So unit length and pressure drop are lower.

Even more importantly, because the coils are so efficient, hot water temperature requirement can be exceptionally low.

Meanwhile, chilled water can be 10-12°C to supply air at 15°C. This makes Econet ideal for use with renewable energy.



Econet®

Special features

- No risk of odour/bacteria transfer
- Supply and exhaust air units can be separated from each other
- Constantly optimised energy recovery
- Pump with sensors and frequency converter
- Exceptionally low temperature requirement for hot water
- Chilled water can be as high as 12°C
- Ideal for use with renewable energy resources
- Can recover cooling in Summer months
- Ideal for indirect evaporative cooling
- Compact size for shorter AHUs
- Achieves low Life Cycle Costing (LCC)



Cooling component units

Reducing air temperature

Contributing cooler air into installed system performance: stand-alone or integrated into AHUs. Easy to install, and safe, efficient and economical in operation.



Fans

Core efficiency

At the heart of our AHU systems: products of our own leading expertise in fan technology.

All our AHUs incorporate Fläkt Woods fans with EFF1 high efficiency motors and low SFP ratings at all speeds. Ensuring durable, performance with variable-frequency drives to respond to variations in operational demand.



Cooling module

Cooler

- Compact fully operational unit to supplement natural cooling process
- For inclusion in certain EU and EC units
- High COP
- Supplied with automation and controls
- Wide cooling outputs range for optimised cooling capacity

Versions for:

- EU range
 - Sizes: 20-44
 - Airflow range: 0.7 to 8m³/s
 - Cooling output: up to 160 kW
- EC range
 - Sizes: 03-09
 - Airflow range: 0.7 to 7m³/s
 - Cooling output: up to 124 kW

Cooling system

CoolMaster (indirect evaporative cooling)

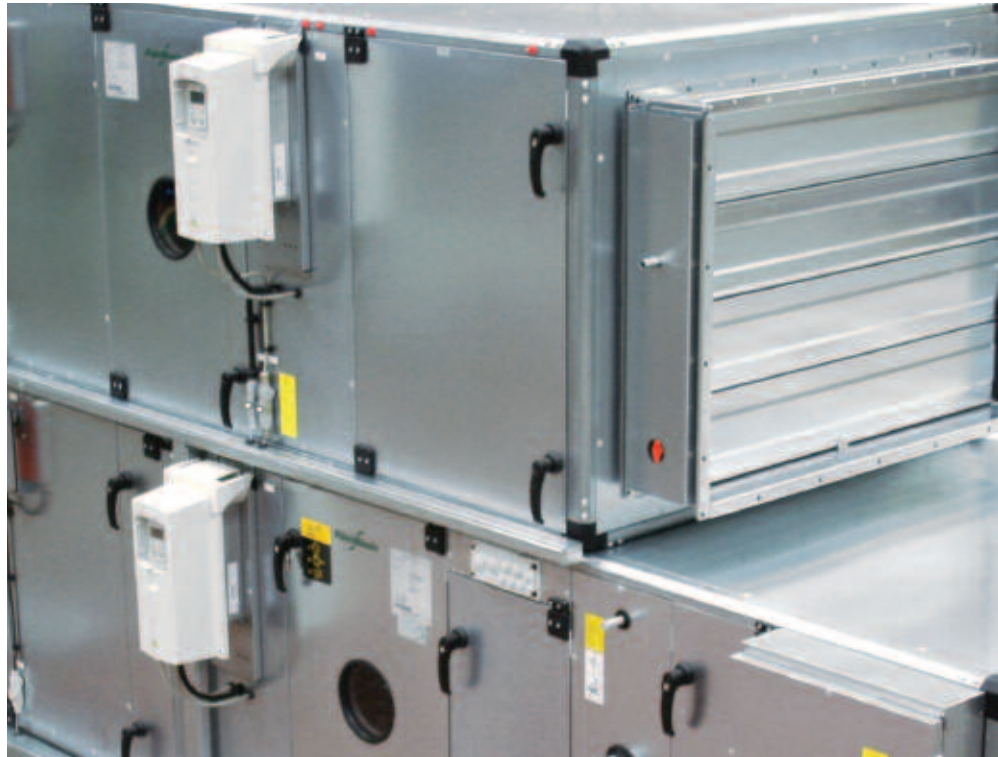
- Refrigerant-free: incorporating evaporative humidifier in extract air
- Uses evaporating water to absorb heat from extract air
- Exhaust air then cools outdoor air as it enters building through an energy recovery device
- Can reduce supply ambient air temperature by 6-10°C before a cooling coil
- Reduces load on chiller by 40-60%



Modular AHUs

For full flexibility

The size and functionality you need – no more, no less. In perfect combination to suit virtually any specific air handling requirement. And with optimum operational efficiency.



Basic series

EU

- Indoor and outdoor versions
- Basic functions available:
 - Cooler
 - Heat exchanger
 - Evaporative humidifier
 - Energy recovery
 - Cooling/heating
 - Centrifugal, axial or plug fans
 - Dampers and filters
- Indoor and outdoor versions
- Stainless steel casing, with double-skinned insulated panels
- Sizes: 24
- Airflow range: 0.1 to 35m³/s
- Controls: supplied either integrated in the unit OR as a separate panel

EU range special categories

Hygiene range

- For environments requiring extra cleanliness, added protection against airborne contaminants
- HEPA filter section: specially designed high efficiency particulate air filter wall that guarantees no contaminants downstream of the filter
- Easily removable components for cleaning, draining and filter change
- Internally sealed sections to allow wet cleaning

Econet® range

- Fully packaged single circuit 'intelligent technology' module
- For very high energy efficiency and greater location flexibility
- Combining energy recovery, heating and cooling (see pages 8-10)

Twin Wheel units

- Combination of hygroscopic and non-hygroscopic thermal wheels
- For environments requiring air dehumidification and reheat
- Cuts chiller load by up to 50%
- Especially suitable for working with Chilled Beams by helping avoid moisture problems (see page 9)

Express units

- With standard/common functions for fast-track delivery

Compact and small AHUs

Where space is restricted



Designed to take less floor space – or to be sited in the ceiling void. Saving space and installation time.



Compact ranges

EC

- For indoor and outdoor installation
- Supply and exhaust functions combined in same casing
- Incorporates plate or rotary energy recovery sections
- Sizes: 9
- Airflow range: 0.1 to 7.5m³/s
- Controls: supplied either integrated in the unit OR as a separate panel

STING

- For indoor and outdoor installation
- Supply and exhaust functions combined in same casing
- Incorporates rotary energy recovery
- Sizes: 9
- Airflow range: 0.1 to 7.5m³/s
- Controls: totally integrated in the unit (or separate if required)

Also available:

EUMM/EMAA

- EU range variant: for marine applications including cruise ships and ferries
- Airflow range: 1 to 6.2m³/s

Small AHUs

VEKA

- Designed for ceiling installation
- Ideal for small premises including shops, kiosks, service stations etc.
- Sizes: 2
- Airflow range: 0.1 to 1.2m³/s
- Controls: supplied as a separate panel

Also available:

RoomMaster ABR

- Compact AHU and displacement terminal
- For installation within occupied space
- Airflow range: 165 l/s or 250 l/s

TopMaster

- Compact AHU with thermal wheel
- For installation within cupboards
- Airflow range: 300 l/s or 500 l/s

Controls

ControlMaster®: integrated or separate



System selection

ACON web-based program

It's always up-to-date – and always available to help. To take note of your specific project requirements. Guide you through the selection process. And quickly identify the ideal system solution.

The Acon program is fully-primed with all necessary technical detail, data, dimensions, e-CAD drawings – and even delivery time. It can also give you predicted Life Cycle Costing for the recommended system.

So your selection decision can be fast and fully-informed – and one you can trust to do the job.

To access the Acon selection tool, log on to www.flaktwoods.com, select UK, then Downloads.

The complete answer is always on the button. From basic control equipment for small units, to integrated control systems for large, high demand installations.

The Fläkt Woods Acon program automatically selects exactly the right control equipment for the chosen unit. This saves time during system design – and also during installation.

Total packaged solution

No major site electrical work is required. Once the unit is installed, immediate in situ commissioning of controls by our expert personnel is all part of the Fläkt Woods packaged solution.

Depending on system or preferred set-up, the controls may be fully integrated or, for some of our AHU types, as a separate control panel.

Naturally, all our control equipment is factory tested for leakage and performance – and designed to ensure lasting reliability in service.



Further information and guidance

Whatever the size of your planned air management systems installation, you can be sure that, at Fläkt Woods, we're always ready to help.

To supply expert advice, information and guidance.

And to ensure selection and specification of an integrated system that exactly matches the detailed needs of each building.

We're also equipped to provide the best possible support throughout the operational service life of each installed system.

About other Fläkt Woods systems

Air Handling Units are just one part of our comprehensive solutions for your air management needs.

To get the bigger picture, you can request introductory literature for our other air management systems:

- Chillers
- Chilled Beams
- Fans

Selection and specification advice

If you'd welcome expert assistance with design, selection and system specification, the Fläkt Woods Systems Sales Team can be contacted on:

01206 222549 or
email info.uk@flaktwoods.com

Upgrades and system monitoring

If you're looking to upgrade or refurbish an existing installation, Fläkt Woods Technical Site Services Team are the experts. They can also help extend operational service life, ensure legal compliance, and monitor and maintain efficient operation of your installed systems. Our brochure can tell you more.

Call 01206 222547 or
email service.uk@flaktwoods.com

Unrivalled R&D facilities

As leading pioneers in our specialist fields, Fläkt Woods has one of the world's largest networks of facilities for testing entire air climate solutions.

Our dedicated laboratory in Colchester, unique in the UK, is equipped to demonstrate and prove product performance and control strategies. We have further R&D facilities in Sweden, Finland, France and the USA.

Specific dynamic testing capabilities include measurement and study of:

- Comfort levels
- Cooling and heating outputs
- Velocity profiles
- Noise criteria

We also use advanced software tools for theoretical design, covering:

- Computational fluid dynamics [CFD]
- Product/component design
- System selection

In all, across Europe, there are 6 Fläkt Woods Technical Centres. More than 270 skilled personnel are constantly focused on maintaining technological progress, system performance and product quality.

Selection and specification advice

01206 222549

Upgrades and system monitoring

01206 222547

Precise Air Management

Fläkt Woods is a global leader in air management. We specialise in the design and manufacture of a wide range of air climate and air movement solutions. And our collective experience is unrivalled.

Our constant aim is to provide systems that precisely deliver required function and performance, as well as maximise energy efficiency.

Solutions for all your air climate and air movement needs

Fläkt Woods is the only company in the UK capable of providing total system solutions from the following portfolio:

● Fans

Advanced axial, centrifugal and boxed fans for general and specialist applications. Comprehensive range including high temperature and ATEX compliant options. Engineered for energy efficiency and minimised life cycle cost.

● Air Handling Units (AHUs)

Modular, compact and small AHU units. Designed to ensure optimisation of indoor air quality, operational performance and service life.

● Chillers

Air-cooled and water-cooled chillers with cooling capacity up to 1800kW. Designed to minimise annual energy consumption in all types of buildings.

● Chilled Beams

Active induction beams for ventilation, cooling and heating, and passive convection beams for cooling. For suspended or flush-mounted ceiling installation – and multi-service configuration. With unique Comfort Control and Flow Pattern Control features.

● Smoke control and car park ventilation systems

Unique approach to car park ventilation, aided and optimised by Computational Fluid Dynamics (CFD) software. Complete turnkey solutions for designing, installing and commissioning mechanical and natural smoke ventilation.

● Controls and drives

Variable speed drives and control systems, all tested to ensure total compatibility with our products. Specialist team can advise on energy saving and overall system integration.

● Technical Site Services

Our dedicated team providing comprehensive post-installation services. Including condition-based contract monitoring, preventative and routine maintenance, refurbishment and system upgrades.

Fläkt Woods Limited

Axial Way, Colchester, Essex CO4 5ZD
Tel 01206 222 555 Fax 01206 222 777
email info.uk@flaktwoods.com www.flaktwoods.co.uk

See global website for international sales offices www.flaktwoods.com

Fläkt Woods operates a policy of continuous improvement and reserves the right to supply products that may differ from those illustrated and described in this publication. Certified dimensions will be supplied on request on receipt of order.

The logo for Fläkt Woods, featuring the company name in a bold, green, sans-serif font. A stylized green swoosh underline is positioned beneath the 't' in 'Woods'.