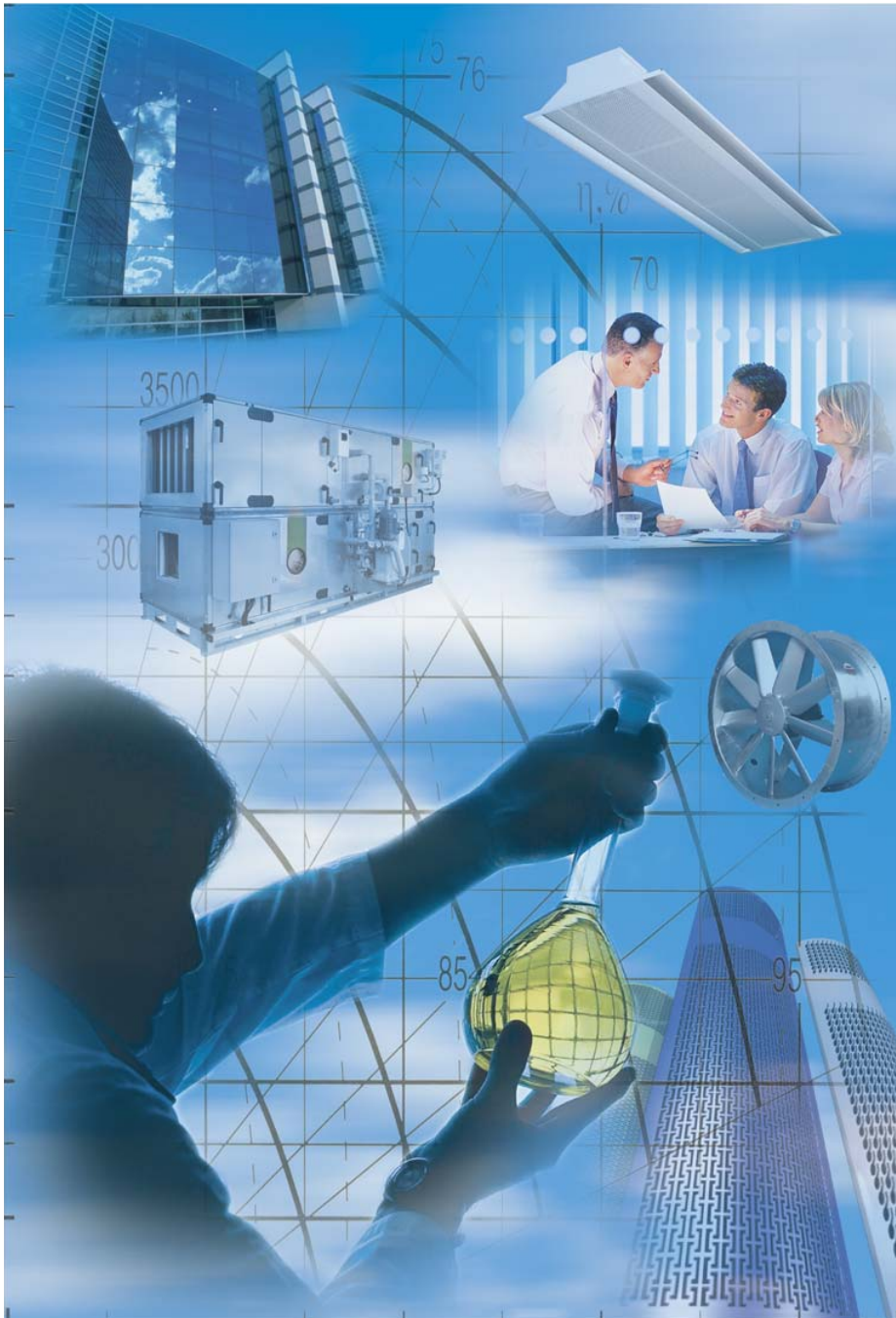
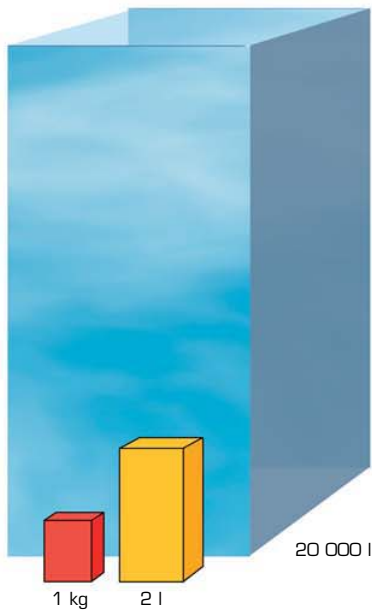


Air Climate for Every Application



FläktWoods

Fläkt Woods Takes Your Air Seriously



Air is something we all take for granted, yet we can not live without it. Every day we eat 1 kg food and drink 2 litres of water but we breathe approximately 20 000 litres – of air.

Indoor air quality is something we all take for granted, but it is an essential element of building management. Ineffective air management systems can seriously worsen air quality – adversely affecting individuals, organisations and the environment. Air temperature, humidity, CO₂ level, draught and noise all influence our comfort, well-being and efficiency.

Air is also increasingly becoming the subject of tougher legislation in Europe. Air borne allergies are a growing area of concern affecting the everyday life of many people. Equally, during their stay at the hospital, patients are worried about being exposed to infections.

In addition to health and safety aspects the importance of energy efficiency is increasingly affecting governments and commerce alike. All in all, air affects every aspect of our lives, at home, at work and at leisure.

This is why we at Fläkt Woods take your air seriously.

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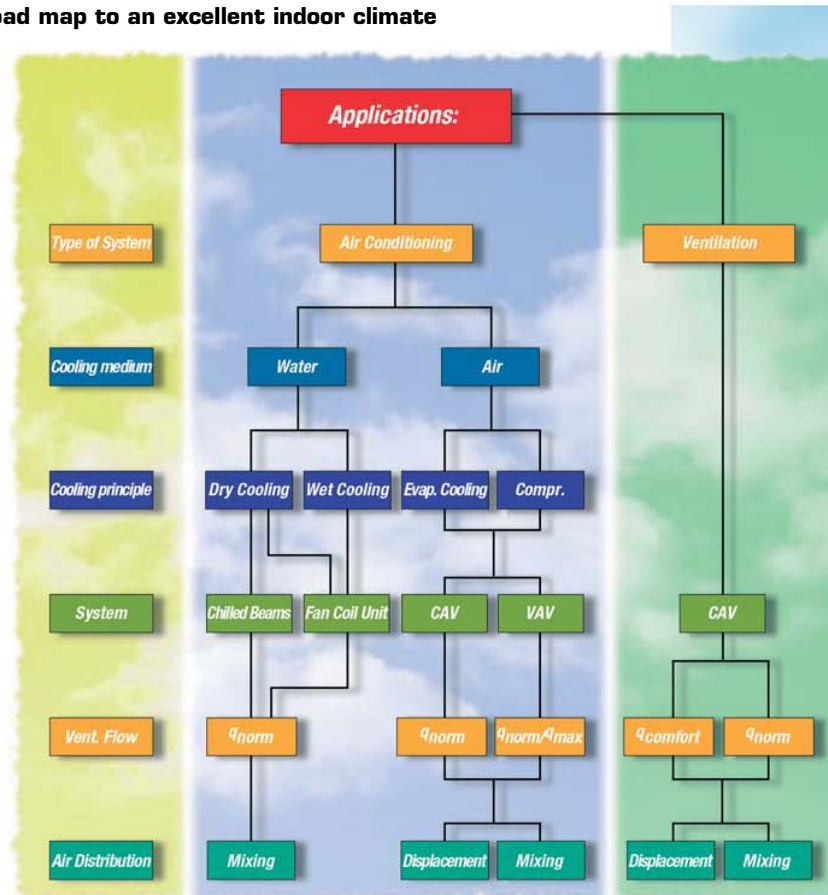
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Fläkt Woods road map to an excellent indoor climate



A good indoor climate is good for your business

The main task of modern indoor climate management systems is to remove contaminated air and replace it with clean air. Compared with a simple ventilation system it also ensures the correct temperature. Investment in a good indoor climate in workplaces is always profitable, since it improves productivity and gives the occupants a sense of well being. Regardless of the level of the climate system you choose, the investment will soon pay for itself.

Fläkt Woods knows all the pieces in the puzzle

All the factors mentioned above, clean air, comfortable and safe environments and cost efficiency are particularly demanding in the non-residential buildings market that Fläkt Woods is positioned to serve.

Our expertise serves areas such as airports, hotels, public buildings, schools, offices and clean environments.

Fläkt Woods Group is also the only air climate company to provide end-to-end solutions. Fläkt Woods takes care of all the pieces in the puzzle, from individual components through to the provision of complete air systems.



Air Terminal Devices and Ducts

Varimix diffusers

Varimix® is a series of ceiling-mounted air diffusers with four different architectural designs, offering high performance with very low sound levels.

Varimix diffusers are extremely flexible with easily changeable throw

and diffusion pattern. With the specially designed connection box the airflow can be changed and measured without removing the diffusers.

The plenum box has a quiet flow measuring damper, which is removable to ease the maintenance.



Nozzle diffusers

Nozzle diffusers are quiet air diffusers with adjustable nozzles for setting any desired diffusion pattern. The Fläkt Woods range includes diffusers for both ceiling and wall installation.

The shape of the nozzles gives a very good mixture of room air (high induction). The nozzles are rotatable and offer the possibility of changing

the diffusion pattern and the diffusion direction for adaptation to the particular room and terminal device position. This offers the possibility of achieving an optimal air flow and the ability to handle low supply air temperatures.

The plenum box has a removable flow measurement damper.



Swirl diffusers

Swirl diffusers are suitable for commercial and industrial premises and similar buildings. Diffusers are designed for ceiling-mounting and normally installed in false ceilings. The diffuser range includes diffusers with both fixed and adjustable patterns of diffusion.

The design of the swirl slots causes the supply air to mix very efficiently

with room air which means a high induction rate. This provides an excellent indoor climate, even when the temperature of the supply air is appreciably below the room air temperature. The connection box is available with removable flow measurement damper.



Other diffusers

KH is an adjustable conical air diffuser suitable for use as a supply air terminal device for commercial and industrial premises.

The KHD diffuser is suitable for large and high areas and can be mounted in a duct for a horizontal or vertical air direction.

DD, DK, DK-O, DS nozzle devices are suitable for commercial, public and industrial premises. Nozzles can be used individually or in series to give very high total efficiency.



Grilles for supply, exhaust and transfer air

Fläkt Woods has a wide range of aluminium grilles designed for use as supply and exhaust air devices and transfer air units, for example in offices and commercial premises. The product

range includes grilles for wall, ceiling, floor, windowsill and door mounting. The industrial grille SV-TS is designed as a supply air device for large premises.



Air Terminal Devices and Ducts

Valves

Fläkt Woods manufactures a complete range of supply and exhaust valves and valves for natural ventilation. You can find right choice for every installation from the very wide range of both steel and plastic valves. The products are

made of high quality materials and have the best surface finishing. The valves have an attractive design and are well known for their silent performance even under high pressure.



Displacement Ventilation

Floormaster® is an advanced system with terminal devices for displacement air distribution. This air management technology gives quiet installations with excellent comfort and high ventilation efficiency.

The Floormaster terminal devices have very low sound level. They have a uniformly circular diffusion pattern and

short comfort boundaries. The terminal devices include a flow measurement device. The floormaster range includes a wide variety of products from round, flat, recessed, semi- and quarter-cylindrical shaped products to applications for premises with tiered seating.



elea CE™

The elea air treatment system is a displacement device with integrated supply air, re-circulated air and exhaust air. The device has a HEPA filter of class H12 for supply, exhaust and re-circulated air, which means significantly increased air quality in the room.

elea was developed and designed to meet the needs of industrial applications

with requirements for a high level of cleanliness and semi-clean rooms in the pharmaceuticals or electronics industry. elea is also an answer to the high level of cleanliness required in the health care sector and to solve asthma and allergy problems among pupils and staff in the education sector.



Diffusers for clean rooms

Diffusers for clean rooms are designed to meet the needs of the health care sector and industrial applications requiring a high level of cleanliness. Typical applications are clean rooms, pharmaceutical premises or operating

theatres. The diffusers have a class H13 filter (class H14 also available at request). Both supply and exhaust air diffusers are included in the product range.



Air distribution systems Activent and UNO

The Activent system is suitable for both small and large areas and can be used in all types of premises ranging from offices and schools to department stores and industrial facilities. Activent utilises special ducts equipped with a large number of small nozzles that evenly distribute air along the entire length of the duct. Due to the effective mixing technique, air can be supplied at a

temperature much cooler than room air, without causing draughts. Activent can also be used for heating purposes in certain applications.

The UNO is especially well suited in premises where long throw lengths are needed. The small air jets from UNO nozzles mix effectively with a large mass of room air, giving an excellent induction ratio.





Air Terminal Devices and Ducts

Fire dampers

Fire dampers are used to prevent spread of fire and smoke via ventilation ducts in case of fire. The Fläkt Woods product range includes a wide range of fire dampers for different market needs. The new EN-norms have been the basis for

product development projects. Early fire detection by a smoke detector combined with our automated control systems for fire dampers is Fläkt Woods' answer to modern Fire Damper solutions.



Dampers

Dampers include a range of circular and rectangular products for regulation and/or measuring of air flow. The damper range includes products for simple regulation or measurement to more advanced products.

The Iris damper is a compound damper for measuring and controlling air flow in circular ducts. It comes in a wide range of sizes and is economical and fast to install. Maintenance is uniquely simple. Iris is also available as a motorized and acid-proof version.



Sound attenuators and cleaning doors

Fläkt Woods' high quality sound attenuators are easy to install and available in a wide range. Products include both straight and bent attenuators for circular or rectangular duct systems. Attenuators are available

with mineral or glass fibre wool insulation.

The cleaning door range includes straight and bent, round and rectangular products.



External louvres and exhaust air diffuser EYMA

External louvres include variants for small and large and both circular and rectangular openings. Small external louvres are used as covering grilles in air supply and exhaust openings. RIS is an external weather louvre of robust design for air intake and discharge.

EYMA is an exhaust air diffuser whose special design prevents rainwater from entering the duct. EYMA exhausts air straight up at a high velocity, protecting the diffuser against settling dust and other impurities and preventing the warm exhaust air from melting snow around the diffuser.



VAV

Flow variators are products for the control and adaptation of airflows in VAV (Variable Air Volume) systems. The system saves costs and energy because the flow and cooling effects are adapted to the actual demand in the room, with the result that the total flow to the air treatment units is reduced.

Optivent is a range of products with functional options such as sound attenuators, electric and water re-heaters, control equipment and outlet components.

EMO(S,E), EMS(S,D) is a flow variator for circular and RWP for rectangular ducts.



Air Terminal Devices and Ducts

Circular Ducts

Veloduct® is a complete system of round ducting of a high tightness class. Veloduct reduces operating costs, simplifies adjustments, permits rapid, easy and clean installation and can be installed in any climate. Pevent® is a ducting system without sealing strips.

Miniduct is circular ductwork for ship's and offshore air handling

systems, including both insulated and uninsulated components. It is lightweight, tight, easy to install and maintain, and combines uniform appearance with robust construction.

All Fläkt Woods' ducting components meet the requirements for dimensions and tolerances as per European Standard EN 1506 and EUROVENT 2/3.



Housing Cooker Hood

A product range of Cooker Hoods in modern design are available as stand alone products or combined with the Fläkt Woods range of fans and heat recovery units. The products are

designed with low height and ergonomically located controls. Various duct connection possibilities, high fume collection capacity with a modern grease filter are other functions of the range.



Housing Exhaust Fan Unit

Exhaust Fan Units are meant for ventilation purposes when heat recovery is not required. The product range includes units for installation inside the building or roof installation. The exhaust fan unit can be fitted immediately

adjacent to the cooker hood with ducts also connected from other parts of the building or apartment where extraction is required. Fläkt Woods' housing exhaust fan unit has various control possibilities and is easy to handle.



Housing Heat Recovery Unit

Heat Recovery Units for ventilation of flats and houses are available in two different ranges with various possibilities for installation. The units are service friendly and easy to clean due to the easily removable fans and

electrical plug-in components. A good indoor climate is assured by using effective aluminium heat exchangers, electrical or water coil re-heaters and various dust filters.





Decentralized Comfort

Chilled beams | Induction beams

Flexicool® IQIC and IQFC are integrated systems for ventilation, cooling and heating, fulfilling most needs for indoor climate. These induction beams are designed to manage high cooling effects that are well mixed with room air, providing comfort and low air velocities in the area affected.

The top sides of IQIC and IQFC are covered, and both beams are equipped with a patented comfort regulator system for the adjustment of flow, cooling effect and flow pattern. IQIC is designed for integrated ceiling

mounting and its dimensions are suited for a ceiling module sized 600 mm. The simple adjustment of flow pattern makes it possible to adapt to changing conditions in the room. IQFC is designed for free space mounting. The beam is also available with fittings for indirect illumination. The air blown through the supply air slot of the IQFC is directed diagonally upwards, which increases the probability of adhesion to the ceiling and thereby draught-free room ventilation.



Chilled beams | Supply air beams

The Flexicool® supply air beams QTSB and QTSS combine ventilation, cooling and possibly also heating. QBSS is an integrated system for illumination, ventilation and cooling. The beams are available with one-way or two-way air distribution and they produce a draught-free air supply by means of the long slot diffusers.

The supply air beams are either ceiling mounted, in which case they lie

flush with the suspended ceiling, or free space mounted away from the ceiling. The mounting can be performed in a smooth manner by means of pendulum hangers, or even more smoothly, directly onto the support profiles of the ceiling by using special support members. Coil, supply air duct and casing are easy to clean and the side plates easy to remove.



Chilled beams | Convection beams

The Flexicool® passive chilled beams provide for the cooling in a room. The air is supplied by means of separate supply air valves. The passive chilled beams are available in the following constructions: QP (S, B)A with perforated bottom plate and QS (S, B)A with a slotted underside.

The passive chilled beams are either ceiling mounted, in which case they lie

flush with the suspended ceiling, or free space mounted away from the ceiling. The mounting can be performed in a smooth manner by means of pendulum hangers, or even more smoothly, directly onto the support profiles of the ceiling by using special support members. The coil is easy to clean.



Horizontal Air Heater ATD

The type ATDA and ATDG fan-assisted unit heaters are designed for heating and ventilating industrial, workshop, retail and warehouse premises, garages, supermarkets and similar spaces.

The unit heater is available in two versions: for hot water (ATDA) and for steam (ATDG). Both types of unit heater incorporate a corrosion resistant heating

coil consisting of aluminium fins and copper tubes.

The ATDA and the ATDG units are available in three different sizes (the ATDA in four different capacity variants) for various air flow rates and capacity demand, which cover most of the conditions under which the unit will operate.



Decentralized Comfort

Vertical Air Heater LVDV

The LVDV is a fan-assisted unit heater designed for space heating in shop entrances, lobbies, doorways, warehouses, workshops, garages and similar premises. The unit is designed for fitting on the ceiling. Hot water is used as the heating medium. All units conform to EC Requirements on the Safety of Machinery, 91/368/EEC.

The LVDV has low overall height and short or long throw, which enables it to be fitted in premises with various ceiling heights. The heater can be fitted with an air discharge device to increase the throw, and the LVDV can easily be mounted against the ceiling or suspended from it. It is easy to clean and service.



Fan Coils | Standard application

Fan coils are most commonly used in areas where individual room control is essential, such as hotels, private and public office buildings, hospitals and schools.

The Aerovent™ Fancoils facilitates easy design and installation and allow buildings to have flexibility for modifications if required, creating an ideal atmosphere based on modular settings.

The QZL/R fan coils are made of high quality materials, using the most advanced technology available to assure individual zone control within a wide range of requirements that permits various cooling and heating capacities.

With low installation and maintenance cost, rational energy consumption and fast temperature reaction, the Aerovent™ series is reliable and customer friendly.



Fan Coils | Dry cooling application

The Aerovent™ QZK Fancoil units are specifically designed to accommodate central European and Nordic requirements. This applies in particular to the sound level, room condition and installation standards.

Numerous models and sizes are available to suit different installation alternatives. This type of Fancoil unit is intended for chilled water temperatures

above the dew point of the room air. This application eliminates the need of condensation drain facilities, which is reflected in the overall cost in set up, installation, long-term maintenance and energy savings. Furthermore airflow distribution is optimised over the water coil, giving high performance with total coil active surface.



Chilled Water Cassette QFDF

The Ägir series are intelligent chilled water cassettes combining elegant design, high performance, along with low noise level and intelligent controls.

The high quality material used in these units assures that no discoloration occurs on the ceiling grille. The product's hygiene qualities are maintained by very low static dust collection.

The design of these cassette units allows their easy integration into

a standard sized ceiling grid, reducing the installation time and creating an aesthetically pleasing ceiling design.

The Ägir units are available in four output capacities, cooling and/or heating and optional electrical heating, as a single (600 x 600) or a double (1200 x 600) version. Each cassette is equipped with a condensation pump, and with an alarm function (Optional) and can be supplied according to a choice of customized controls and colours





Fans

Axial Fans

Fläkt Woods offers a wide range of axial flow fans for general air movement and special applications such as emergency high temperature smoke extract and pressurisation. ATEX fans for explosive atmospheres and multistage options for increased pressure development.

Products included are:

- JM Standard range
- JMHT range for emergency high temperature smoke

- Large JM and Axicent range
- JM Bifurcated range for handling corrosive or high temperature air
- Axico – Varofoil range for variable air flow
- Car park Jetfan range for pollution and smoke control in enclosed parking areas



Centrifugal Fans

Fläkt Woods' centrifugal fan range consists of fans for general air movement applications and emergency smoke extraction and ATEX explosive atmospheres. The products range includes Centrimaster GT and Centripal EU fans:

- Centrimaster GT has forward and backward curved blades, single inlet and double inlet and direct and belt

drive. Centrimaster GT also has an option for emergency smoke extraction

- Centripal EU has various impeller options, plus direct and belt drive versions. The product is of fully welded construction and is suitable for clean and dusty air applications, up to 350 °C continuous as a standard feature



Roof Fans

Fläkt Woods offers roof mounted fans to provide general ventilation of buildings and emergency smoke extraction. All products are corrosion resistant, making them suitable for the most arduous environments.

Fläkt Woods' roof fans offer a wide range of performance characteristics depending on the choice of impeller design. The product range includes vertical and horizontal discharge fans.



Plate Fans

Fläkt Woods offers a comprehensive range of plate mounted fans for simple air movement applications. Available with either fixed pitch or adjustable pitch impeller, for differing air performance options, the Fläkt Woods range can satisfy all your simple building ventilation needs.

Products available include:

- JM Aerofoil Plate Axial range incorporating the JM impeller for optimum performance and efficiency
- 2100 series, where the choice of aluminium clad steel or polypropylene impeller allows flexibility of selection



Boxed Fans and Other

Fläkt Woods is able to provide a total fan product solution for any building ventilation project. Other fans suitable for general ventilation include:

- Boxed fans, including Single and Twin fans in an acoustic box
- In Line Centrifugal Tube Fans, available in both metal and plastic construction

- The In Line Axcent 3 range offering high volume and pressure development
- The Power box range of acoustically lined, adjustable discharge fans



Air Handling Units

RoomMaster ABR

RoomMaster is a complete supply and exhaust air unit heat recovery and integrated supply air displacement terminal. The unit is complete with all necessary controls and is very easy to install all that is required is two holes through the wall to the outside and a 230v socket. RoomMaster gives you the full function of fresh air displacement ventilation and heat recovery air handling in a smart packaged unit.

- Airflow range:** 70–300 l/s
Number of sizes: 2
Basic functions:
- Indoor
 - Dampers
 - Bag filters
 - Rotary heat exchanger
 - Electric heater
 - Centrifugal fans
 - Integral supply air displacement terminal and exhaust grille
 - Integral control system



VEKA

VEKA is an air handling unit with a low installation height and is the perfect solution when installation space is limited. VEKA is normally suspended from the ceiling. The unit is positioned so that the service doors open downwards.

VEKA is a suitable air supply unit for ventilating small premises such as shops, kiosks, service stations and other similar locations that lack the necessary space for a conventional ventilation unit.

The outer sheet-metal is coated with a decorative layer of polyester in a grey tone.

- Airflow range:** 0.1 to 1 m³/s
Number of sizes: 2
Basic functions:
- Indoor for ceiling installation
 - Dampers
 - Bag filters
 - Electric, hot water heaters
 - Chilled water cooling coils
 - Centrifugal fans.
 - Silencers
 - Control systems are available as accessories



STING

STING is a compact unit that saves space and time. Supply and exhaust air functionality is contained within the same casing. The unit meets relevant CEN standards for AHU performance and is Eurovent certified. Sting is hygienic and easy to service and clean. The units are easily selected using our world class computer program that gives you full details including a CAD drawing. Sting is delivered complete with an integrated control system as a standard feature.

- Airflow range:** 0.1 to 3.5 m³/s
Number of sizes: 5
Basic functions:
- Indoor units
 - Dampers
 - Bag filters
 - Rotary heat recovery
 - Centrifugal, axial or plug fans
 - Integrated control
 - Electric or hot water duct heaters
 - DX or chilled water duct cooling coils





Air Handling Units

EC

The EC compact unit saves space and time. Supply and exhaust air functionality is contained within the same casing, which is built on the same design platform as the modular unit. The unit meets the relevant CEN standards for AHU performance and is Eurovent certified. EC is hygienic and easy to service and clean. The units are easily selected using our world class computer program that gives you full details including a CAD drawing. The EC unit is designed to be delivered complete with an integrated control system.

Airflow range: 0.2 to 8 m³/s

Number of sizes: 9

Basic functions:

- Indoor and outdoor units
- Dampers & mixing sections
- Panel, bag and compact filters
- Electric, or hot water heaters
- DX or chilled water cooling coils
- Packaged dx cooling unit
- Plate or rotary heat recovery sections
- Centrifugal, axial or plug fans



EU

The EU modular air handling unit gives you full flexibility with its wide range of functions and options. The sturdy steel frame is clad with 50 mm panels available in a variety of materials. The unit meets relevant CEN standards for AHU performance and is Eurovent certified. EU is hygienic and easy to service and clean. The units are easily selected using our world class computer program that gives you full details including a CAD drawing.

Airflow range: 0.2 to 34 m³/s

Number of sizes: 23

Basic functions:

- Indoor and outdoor versions
- Dampers & mixing sections
- Panel, bag, compact, carbon and HEPA filters
- Electric, steam or hot water heaters
- DX or chilled water cooling coils
- Packaged dx cooling unit
- Liquid coupled, plate or rotary heat recovery sections
- Centrifugal, axial or plug fans
- Silencers, inspection and spacer sections



Econet

ECONET is a function/system in the EU modular air handling unit. In the ECONET concept, all energy functions, such as heat recovery, heating and cooling are integrated into one common circuit. The advantages of the system are: No leakage air flow between supply and exhaust air. The supply and the exhaust air units can be separated from each other, giving a high rate of heat recovery and shorter air handling units. The exceptionally low temperature requirement for hot water allows the utilisation of alternative energy sources of thermal energy. Ideal for district cooling. Freeze-proof.

Airflow range: 0.5 to 34 m³/s

Number of sizes: 22

Basic functions:

- Indoor and outdoor versions
- Liquid coupled heat recovery section
- Heating and cooling of supply air integrated into the heat recovery section
- Control system for heat recovery
- Pump unit with sensors for heat recovery section
- Frequency converter for pump
- Other functions of the unit, please see EU modular air handling unit



Air Handling Units

ControlMaster

The ControlMaster is an air handling unit control system with solutions for almost any building.

The design of the control system is made simple by the selection program with its easy to follow, self-instructional, flow diagram and option-driven user interface.

The system can be equipped for communication with a BMS system or connected to FI@ktNET which is an internet based supervising tool. The ControlMaster is pre-wired, factory tested and is delivered either complete or partially disassembled, depending on application.

The control system is available in three different packages:

1. Built into a compact air handling unit.
2. Wall mounted control panel.
3. Control panel fitted to a modular AHU.

Basic function:

- Unit operation
- Temperature control
- Air flow, pressure control
- Air quality control
- Fire functions
- Monitoring
- Communications



Cooler

The Cooler is a DX refrigeration system for EU and EC air handling units. The supply air is cooled and the heat ejected to the exhaust air. The Cooler is delivered complete with all necessary refrigeration and control equipment, leak tested, test run and CE marked.

Airflow range: 0.7 to 6 m³/s

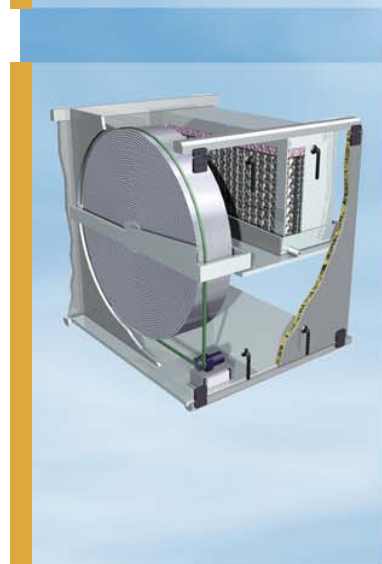


CoolMaster

The CoolMaster is an evaporative cooling system. The extract air is cooled by means of an evaporative humidifier and the cooled air is used to cool the warm outdoor air by means of a rotary heat exchanger. The CoolMaster can provide some 45 degrees of cooling. The CoolMaster can be selected from the selection program, and full performance details are provided.

Airflow range: 0.2 to 34 m³/s

Available in most EU and EC air handling unit sizes.





Applications

Marine Applications

Fläkt Woods has long experience of marine applications and the high demands they place on HVAC products and systems. These products must reliably provide the highest quality of indoor climate, regardless of the extreme environmental conditions or the climate zone where the vessels are operating. Fläkt Woods has all the products needed to build a complete HVAC system and to create ventilation and comfort in cabins as well as public and service spaces. Our product range comprises

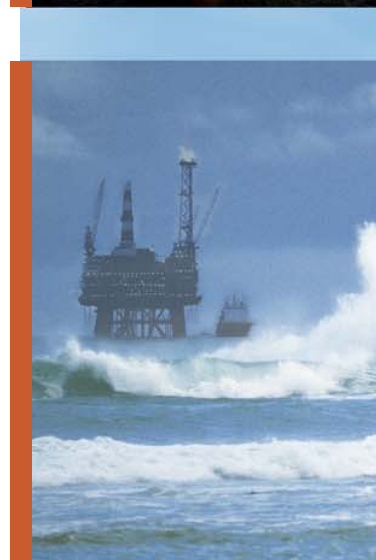
air handling units, air terminal devices, ducts, fans, coils and regotermes, all developed and manufactured especially for Marine applications. We have references on board most kinds of vessels from cruise ships and ferries to cargo and navy ships. Fläkt Woods supplies spare part, utilizing Fläkt Woods global network for any HVAC system to ensure each vessel through-life accessibility and profitability.



Offshore Industry

HVAC products and systems for the offshore industry normally face the most extreme environmental demands. Fläkt Woods has long experience of most kinds of offshore related applications in different climate zones and extreme environmental requirements. We strictly follow classification and regulation related demands such as explosion proof and seawater cooling and our philosophy requires us to have the flexibility to adapt to customer related

requirements. Fläkt Woods offshore products are manufactured and tested according to the valid standards and designed for quick installation and commissioning. Our product range comprises air handling units, air terminal devices, ducts, fans, coils and regotermes to build a complete HVAC system. Fläkt Woods supplies spare part, utilizing Fläkt Woods global network for any HVAC system to ensure through-life accessibility and profitability.



Fire Safety

A correctly designed and tested Fire Safety solution in building constructions is the best insurance to save human lives and to minimize economic losses in case of fire. Fläkt Woods is a pioneer offering all the equipment and know how needed to design Fire Safety ventilation systems for different building

applications. Our product range for fire safety systems is large; air handling units, fans, ducts, fire and smoke dampers. The latest fire safety regulations and norms provide the basis for the design and development of our products.





Applications

Pharmaceutical Industry

Fläkt Woods has provided products and systems for the pharmaceutical industry for decades. We are committed to providing solutions that help solve the various problems that our customers in this segment face – not only the strict technical demands but also those associated with installation, commissioning and validation.

Fläkt Woods offers the pharmaceutical industry special systems and products

with special functions. Applications include air handling units that can be tailored for individual technical and hygienic needs. Our completely reliable and fail-safe HEPA section speeds validation and offers rapid filter replacement. The new elea displacement ventilation terminal incorporates HEPA filtered air recirculation. Special ceiling filter cassettes are also included in the product range.



Hospitals and Clinics

Fläkt Woods is a leading European supplier of ventilation equipment for hospitals.

Our long experience and our commitment to providing hygienic solutions means we offer products you can rely on to provide the right indoor air quality. The products are easy to clean, have low emissions and good quality filtration, both centrally and in the occupied space.

Another important issue for hospital owners is the Life Cycle Cost (LCC), which takes the cost of energy and service into account. Fläkt Woods offers solutions that enable optimization of the investment for minimum LCC. Part 4 in the German guidelines VDI 6022 and DIN 1946 defines the aspects of hygiene quality and our air handling equipment meets these requirements.

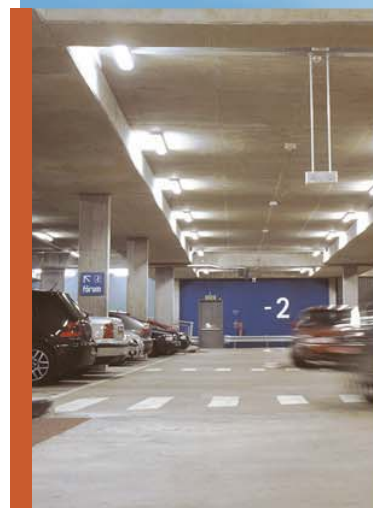


Car Park Jetfan Systems

Underground car parks are ventilated to remove harmful pollution from vehicle emissions, providing fresh air for patrons. Ventilation is also required in the event of a fire to remove hot smoke, allowing escape and providing access for fire fighters.

The Fläkt Woods Jetfan system utilizes Jetfoil fans installed in the ceiling of the car park, positioned throughout to eliminate many of the problems associated with conventional ducted systems.

Computational Fluid Dynamics software is used to analyse the car park design to ensure that the distribution of air is sufficient to effectively ventilate the car park. A typical system includes the provision of main extraction fans, Car Park Jetfans, CFD analysis and control equipment.



Fläkt Woods Group Brings Air to Life



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Fläkt Woods Group provides a full range of products and solutions for buildings ventilation, air treatment and industrial air movement

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Due to a policy of continuous development and improvement the right is reserved to supply products which may differ from those illustrated and described in this publication. Certified dimensions will be supplied on request on receipt of order.

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