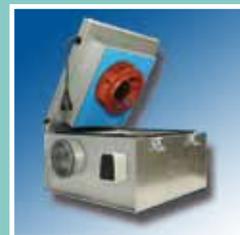


UK Ventilation Catalogue





- We work to gain your trust.

Welcome to the latest edition of our Ventilation product catalogue which covers the general Fans & Accessories range. Other product groups such as Air Handling Units, Air Distribution Products and Frico Heating can be found as an overview, with technical documentation in our other brochures.

Systemair, Frico and Fans & Spares have come together as Manufacturer and Distributor to offer you, our valued customers, unrivaled service with local stock holding branches and technical support covering the complete ventilation solution.

Our product development leads the field - latest technologies in unit design, fans, motors and heat recovery interact to give high efficiency and with that, low power consumption. The Systemair Group has grown each year since the start in 1974 and we aim to continue with this trend.

Systemair Fans & Spares strives to be a reliable supplier of quality products. We simplify for our customers to ensure jobs can be completed quickly and on time, allowing them to move onto the next project.

We call this **TRUST**.

Neil Rapley
Managing Director



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EC Low Energy Ventilation Products

1



K-EC



KVKE-EC



MUB-EC



DVC-EC



TOPVEX-FR-EC

Circular Duct Fans

2



K



RVK



KD



KVK



KVK DUO

Rectangular & Square Duct Fans

3



KE/KT



RS/RSI



KDRE/KDRD



MUB



KVD/KPB DUO

Kitchen Extract Fans (Motor outside of Airstream)

4



MUB K2



KBT/KBR



DVN /DVNI



AXCBF



ZAV

Roof Fans

5



RA



RC



TRSK/TFSR



DHS



DVS

Axial Fans



ZSP/ZAP



ZSC/ZAC



AXC



DES



Blandovent

6

Smoke Extract / ATEX & Fume Extract Fans



PRF



AW-EX



AXC-EX



DVG/DVV



AJ

7

Domestic & Commercial Fans



BF



Bravo



MVS



EACF



ES

8

Air Handling Units & Heat Recovery Units



VR/VX



VR/VX



KK/KF



TA



MAXI

9

Accessories (Duct & Electrical)



FGR



VBC



LDC



RE/RTRE



REE

10

Systemair Manufacturing

Systemair

The straight way was our first production idea and led to the circular duct fan. Today “the straight path” represents our ambition to simplify the life of our customers. Stocked products are delivered in Europe within 24 hours from local warehouses and within 72 hours from distribution centres. High product quality, correct technical data and fast deliveries are always in focus.

Systemair

Systemair was established in Sweden in 1974 and is today the parent company in an international group with 50 subsidiaries and approximately 1,900 employees. The Group’s head office and largest production plant is located in Skinnskatteberg with some 400 employees and a floor area of 50,000 m².

Production

We are proud of our production units. The aim has been to have both effective production of bulk products and, at the same time, an efficient and flexible approach to producing small volumes. This has steered our choice of machinery and how we plan our production, with focus on the working environment. Our premises are light and pleasant and we invest in tools that facilitate work and provide our employees with a safe and efficient workplace.



Production in Skinnskatteberg is virtually fully automated with modern machinery featuring advanced computer support. Also located here is the company’s most advanced test installation for measuring technical data.

Technical data

Our development centre in Skinnskatteberg is one of the most modern in Europe for air flow measurements, acoustic measurements, efficiency measurements, low speed measurements on air distribution products, etc. All measurements are performed in compliance with applicable standards as set out in AMCA and ISO.

Quality and environment

Systemair is certified according to ISO 9001 and ISO 14001. Our quality system allows us to continuously improve our products and our customer service. Certification means that we have undertaken to minimise our environmental impact. We always take the environment into consideration when we choose sub-suppliers, materials, production methods, etc. An important factor is that we continuously work to reduce our energy consumption and reduce waste. Through increased recovery and heightened awareness we have been able to reduce our waste by 90%. Quality and environment management systems are under continuous development. These are audited twice a year by the certification body BVQI (Bureau Veritas Quality International).

Detailed product information can be found on our website, www.systemair.co.uk

Dal, Eidsvoll – Norway

In Eidsvoll, Norway we manufacture air handling units for the Norwegian market. The Norwegian warehouse for fans is also located here.

Boucoute - Canada

In Boucoute, Canada we primarily produce duct fans and heat exchangers used in residential ventilation for the North American market.

Kansas City – USA

In Kansas City we produce roof fans, roof extractor fans, wall fans and recirculating air units.

Systemair Manufacturing

Skinnskatteberg - Sweden

Main plant

The main plant in Skinnskatteberg houses one of the company's two central warehouses and the largest production installation as well as the group's head office.

Fans and accessories are produced here as stock items.

Klockargården

Systemair's small air handling units are made at Klockargården in Skinnskatteberg. Frico's central warehouse of approximately 8,000 m² is also located here.

Hässleholm - Sweden

VEAB

VEAB in Hässleholm manufactures first and foremost heating coils and hot air fans.

Ukmerge – Lithuania

Production of air handling units for residential homes & small offices.

Bratislava – Slovakia

The factory in Bratislava manufactures air distribution products and fire dampers.

Maribor – Slovenia

The factory in Maribor, Slovenia specialises in high temperature fans for Emergency Smoke Extract ventilation.

Kuala Lumpur – Malaysia

Production and marketing of Axial fan products for tunnel and garage ventilation.

Noida – India

The factory in Noida & Hyderabad manufactures air distribution products

Madrid – Spain

The factory in Madrid, Spain makes air handling units for the southern European market.

Hasselager - Denmark

The factory in Hasselager, Denmark manufactures large air handling units. All production here is order based.

Windischbuch - Germany

In Windischbuch, Germany a broad assortment of fans are manufactured, of which the majority are stock items. One of Systemair's central warehouses is located here.

Systemair Fans & Spares

Head Office - Birmingham
Branches at -
Glasgow, Edinburgh, Gateshead, Leeds,
Manchester, Stoke,
Birmingham, Nottingham,
Leicester, High Wycombe, Kent,
Dagenham & Romsey

A good indoor environment is vital

It goes without saying that everyone prefers fresh air. We are also aware of the fact that we must be frugal with the resources we take from Mother Earth. That is why there is sometimes a conflict between supplying ventilation systems with energy and saving the earth's resources and protecting the environment. Does it have to be this way? No. Today, there are energy-efficient solutions that create a good indoor climate. Systemair has products that have been specially adapted to protect the environment with well-thought-out material consumption and production methods. These products are also designed to be economic in terms of energy consumption. The best of Systemair's ventilation products are labelled "Green ventilation".



Product showroom in Systemair's Expo Centre

R&D Centre - Sweden



K Fan production line - Sweden



One of Europe's most modern Acoustic Chambers



A room that is so quiet that the only thing you'll hear is your heartbeat. The development centre in Skinnskatteberg, recently accredited by AMCA, signifies an investment of EUR 700,000 and is fitted with measurement and testing equipment, making it one of the most modern facilities of its kind in Europe.

The quiet room is one of the test stations or a "reverberation chamber", producing a background sound of less than 10 dBA. When measuring supply air terminals, a green laser is used to show how the air is expelled from wall-mounted or ceiling-mounted devices. (shown above)

There is also a climate chamber that cools the air to -20°C, which means we can use it all year round to develop our recovery units. As well as the test centre in Skinnskatteberg, there are also test facilities in Germany and Denmark.

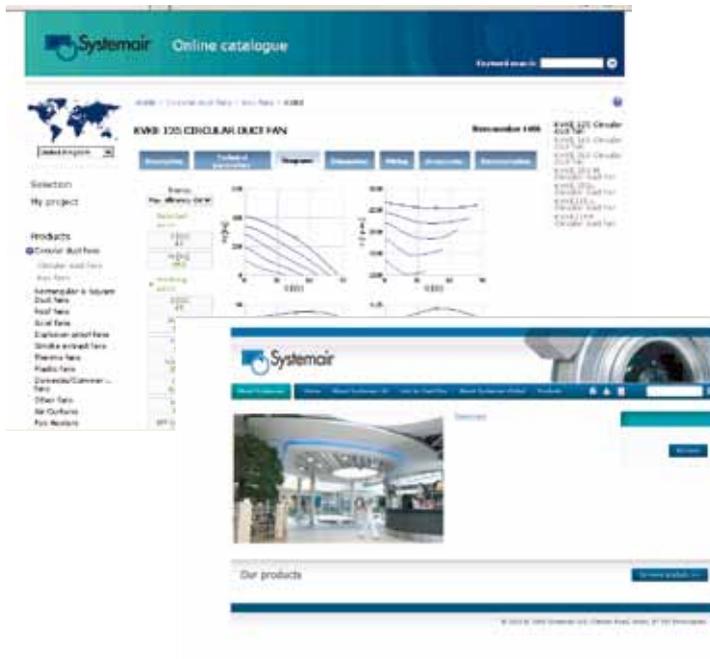
(R&D Facility - Sweden shown below)



Technical Information can be found in all formats from printed literature, CD disks to our Website with downloads & computer selection programmes.

Product catalogue and specification data
More detailed technical information, sufficient to carry out complete planning, is available in separate catalogues and specification data. These describe all incorporated functions, available accessories, and additional technical data.

Brouchures Available include:-
Ventilation Products UKII
Air Handling Units
Air Distribution Products
Frico Air Curtains & Heating
Fire Safety
Fans & Spares "Bigger Book"



Online catalogue and computer software
For those who prefer to work online, it is possible to select and dimension most products (except DV AHU's) using Systemair's online catalogue. In addition to complete product information, there is also a selection function that suggests alternative products to suit actual needs. For certain products, such as DV and NB, there is computer software that you can download and install locally or simply give us a call to select your requirements.

Personal support

Systemair Fans & Spares aims to have local expertise close to the customer, with our nationwide network of branches, stocked with ventilation products. You can count on us.



Systemair has an extensive range of ventilation products, the majority of which are fans and air handling units. Other products include a wide range of air distribution products for various applications.

These products are installed in a variety of locations, including homes, offices, healthcare premises, shops, industrial buildings, tunnels, parking garages, training facilities, sports centres.

The most common usage is comfort ventilation, but safety ventilation in various forms is also an important market. Smoke gas ventilation and tunnel ventilation are two examples.

FANS

Systemair is one of the world's largest suppliers of fans for use in various types of property.

Our range includes everything from duct fans with a round connection – the company's original product - to rectangular duct fans, roof fans, axial fans, explosion-proof ATEX fans, and smoke extract fans.

These fans can be supplied in sizes suitable for everything from ducts with a diameter of just 100 mm to large road tunnel fans over 2000mm. All our fans have been developed to comply with stringent requirements and are characterised by user-friendliness, a high level of quality and a long service life.

Circular duct fans

Duct fans with a circular connection.



Rectangular duct fans

Duct fans with a rectangular connection.



Radial fans

Single-inlet radial fans.



Box fans

For extract air systems that transport normal or high-temperature media.



Axial fans

Axial fans for duct connection or wall mounting.



Roof fans

Roof fans with a circular or square connection.



Explosion-proof ATEX fans

Explosion-proof fans for duct, roof and axial installations.



Jet fans

The jet fan range includes products for garages and road and rail tunnels.



Kitchen Extract fans

Systemair supplies high temperature fans that can withstand conditions of up to 120°C, with motors outside of airstream.



FIRE SAFETY VENTILATION

Systemair produces fans, dampers and control equipment for protection against smoke and fire certified for use during normal operation and in the event of a fire. The axial fans are certified for installation inside or outside fire risk areas.

Smoke gas fans

High-capacity fans for evacuation of smoke gases.



Fire dampers

Dampers that reduce the spread of smoke and fire.



RESIDENTIAL VENTILATION

Complete energy-efficient air handling units with heat recovery and built-in control systems. Designed to be mounted over the cooker, on walls or horizontally in roof spaces

Residential units

For homes with living areas of 60-320 m².



Domestic & Commercial Fans

A range for wall, ceiling & window fans.



AIR DISTRIBUTION PRODUCTS

Systemair's range also includes a wide selection of air terminal devices for all possible environments and positions.

Development and manufacture take place at a modern factory in Slovakia & India

Supply, extract & transfer Grilles & Diffusers

For mounting in ceilings or walls.



Nozzle air devices

Optimum air distribution for rooms.



Swirl Diffusers & Louvred Face

Fixed blade & Adjustable, For mounting in ceilings.



Constant Volume & Pressure Devices

For maintaining close control of the duct system.



Duct products

Dampers, plenum boxes, and duct accessories.



Air Curtains

Elec, LPHW & Fan Only Air Curtains.



AIR CURTAINS & HEATING

Frico is the largest producer of Air Curtains in Europe and is part of the Systemair Group. Products include Air Curtains, Room Heaters & Radiant Heating

Heater & Radiant Panels

Room & Wall Fan Heaters, Radiant Panels & Infra Red Heaters.





Frico - energy efficient solutions for a comfortable indoor climate

Frico, a product brand within Systemair, is the leading supplier of air curtains, radiant heaters and fan heaters in Europe. All our products are well designed in good Scandinavian tradition. Frico strives to develop products and systems that provide energy saving heating solutions and better heating comfort at the same time.

Air curtains in doorways and openings, radiant heaters or ceiling fans are examples of products that contribute to large energy savings.

Thanks to our broad product range and our many years of experience, Frico is able to help you save energy. By offering total solutions, including both complete heating systems and products for additional heating, we can generate a comfortable indoor climate at a low energy cost. Our regulation systems for different levels ensure that you never use more energy than is required.

Quality and long life

Frico offers consistent and high product quality. Our product warranty is there for your safety. It covers manufacturing faults and is valid for three years. Frico products are designed for long life and are easy to maintain. Through our distribution network we provide reliable maintenance and service support which includes the availability of spare parts for at least ten years.



FRICO

Air Curtains

It makes sound economic sense to create an efficient and invisible door that keeps the heat inside. Air curtains can be even more effective when used in air conditioned or cold storage buildings.

Thermozone technology with its precisely adjusted air velocity gives even protection throughout the opening. Frico air curtains provide the most efficient separation with the lowest possible energy consumption, regardless of whether it is the heat or the cold that you want to keep inside.

Thermozone® PA

Available as a 3kW, 650mm long single phase door heater. The PA1008 has three models all 860mm in length supplying 2kW, 3kW and 5kW of heat respectively.



PA Door Heater

Thermozone® AD

- Low sound level.
- Corrosion proof housing made of hot zinc-plated and powder coated steel panels. Colour: RAL 9016.
- Adjustable distance between mounting brackets.
- Easy to mount.
- Compact and easily positioned.



AD200 AD300 AD400 Air Curtains

- Easy maintenance.
- Optimized airflow with Thermozone technology.

Thermozone® AC Corinte

For exclusive entrances with high demands on design, noise level and finish. Slim design in stainless steel. Mounted with one unit on either side of the opening, thus creating a classic symmetry. Can also be mounted horizontally. Installation width up to 5 metres (2 units). Installation height up to

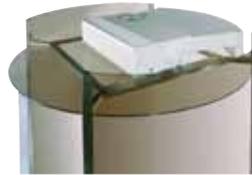


AC Corinte

3 metres. Colour: brushed stainless steel (option: polished or mirror polished stainless steel) CE compliant.

Thermozone® RD

For circular and revolving doors of all sizes with opening height up to 3 metres. Discreet mounting on top of the revolving door with only the outlet



RD

grille visible. The outlet is adapted to fit the revolving door. Several optional finishes are available. Colour: two-pack coating (any RAL colour). CE compliant.

Thermozone® AG4000

Installation height up to 4 metres. Clean, stylish and simple design. Height: 260 mm Depth: 480 mm Colour: white, RAL 9016. CE compliant.



AG4000

Full Range of Air Curtains for doorways over 4.0 m available on www.frico.co.uk.

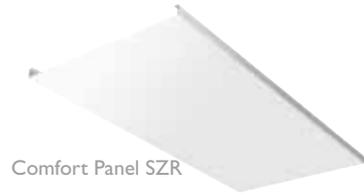
Radiant Heaters

Frico radiant heaters imitate the sun, the most comfortable and efficient heat source available. The heat is emitted only when the rays hit a surface and the room temperature can thus be lowered while occupants experience a comfortable environment. This makes radiant heaters well suited not only for total heating but also for zone and spot heating, for example to avoid cold draughts from windows. Radiant heaters are easy to install and require minimum maintenance. They heat directly when switched on and give no air movement.

Comfort Panel SZR

Comfort Panel SZR is used for water supplied heating/cooling systems. It can be mounted free hanging or

integrated in false ceilings and perfectly suits in fine environments such as offices, shops, etc. Discreet



Comfort Panel SZR

flat satin finished surface that matches most false ceiling panel designs. A perfect symmetry can be created with heating/cooling panels in combination with non active panels.

Comfort Panel SZ

Comfort Panel SZ is the ideal system solution for water supplied heating of larger buildings such as industrial buildings, commercial buildings and sports centres.



Comfort Panel SZ

Comfort Panel SZ is suitable for both high and low installation, and extremely high installations are possible with pressurized hot water.

Thermoplus

Thermoplus is mounted above windows and gives an efficient protection against cold draught. The slim shape also makes it suitable for heating areas with limited space, like



Thermoplus

for example bathrooms. Thermoplus can furthermore be a cost-effective and flexible alternative to floor heating. Thermoplus is covered with white enamel which makes it discreet and scratch-resistant. The slim shape makes it practically invisible when mounted in the ceiling angle.

Elztrip EZ100

EZ100 is intended for total and supplementary heating as well as protection against cold draughts from windows in environments such as offices, shops, restaurants etc. EZ100 is a single panel radiant heater with clean and simple design that blends well with electrical fittings.



EZ300, EZ200, EZ100

Elztrip EZ200

EZ200 is intended for total and supplementary heating as well as protection against cold draughts from windows in environments such as, department stores, assembly halls, industrial premises etc. EZ200 is a double panel radiant heater with clean and simple design that blends well with electrical fittings.

Elztrip EZ300

EZ300 is intended for total and supplementary heating in industrial environments such as warehouses, workshops etc. EZ300 is a triple panel radiant heater with discreet and robust design that blends well with electrical fittings.

Industrial infra-red heater IR

IR is suitable for total or supplementary heating of premises with large volume and high ceilings. It can also be used outdoors for example on smoking areas or to keep loading bays dry and frostless. IR has a



IR

robust industrial design.

Infrared heater IH

Infrared heater IH is the perfect choice for exposed outdoor environments

where design is important, for example, balconies, pavement cafés, or Pubs etc.

IH can also be used as local heating in



IH

large premises such as churches, industries and warehouses.

IH is easy to position thanks to its compact design. The discreet and appealing look makes it suitable for outdoor environments with design demands.

Infrared heater CIR

CIR provide comfort all year around on terraces, balconies and open-air restaurants.

CIR can also be used for spot heating in workshops and warehouses. Requires no protection against bad



CIR

weather and has five year corrosion warranty. CIR is discreet with its slim design and silent, invisible operation and needs little space to fit in.

Full Range of Radiant Heaters available on www.frico.co.uk.

Fan Heaters

We are proud of the worldwide fame Frico fan heaters have gained. They are reliable and are designed for long life. Our range covers all needs. The investment cost is low compared to other heating systems. A great advantage of fan heaters is the option of combining heating and ventilation. Frico fan heaters are compact, silent and light weight. They are available for electrical heating as well as for water heating.

Fan heater Tiger

Tiger is a range of robust and compact fan heaters for professionals with high demands. The Tiger fan heater is

portable, models up to 15 kW can also be hung on the wall. Tiger 2-9 kW are intended for heating and drying areas such as garages, workshops and shops. Tiger 15, 20 and 30 kW are ideal for heating and drying larger premises such as industrial premises and workshops, where higher outputs are required. The Tiger fan heater has a compact and robust sheet steel design with a red finish. The heavy-duty tubular frame acts as a well-balanced



Tiger

and ergonomic carrying handle. The design protects against impact and vibrations and permits use in exacting environments.

Elektra - C/F/V/H

Elektra is a range of fan heaters designed for use in demanding environments. The different models can be used anywhere from corrosive environments and combustible areas to rooms with high temperatures as



Elektra

well as onboard ships and offshore platforms. Elektra is mainly designed for stationary use, yet can also be used as a portable fan heater. The Elektra fan heater has a modern design with a stainless steel outer casing, red grille and red brackets. The brackets can be rotated, which means Elektra can also be used as a portable fan heater.

Fan heater Panther & Cat

Panther 6-15 is a range of very quiet and efficient fan heaters for stationary use. They are intended for heating, drying and ventilation in e.g. workshops, sport halls, shops, assembly rooms and drying rooms. The mixing cabinet (accessory) allows heating and ventilation to be combined,

through mixing the return air and outdoor air. The Panther fan heater has a classic clean design in white enamelled sheet steel.



Panther

Cat

Fan heater SWS

Fan heater SWS is a fan heater for water connection. SWS is suitable for places where fan heaters are traditionally used, such as industrial premises, workshops and storage rooms. The fan heater can be mounted on the wall or



SWS

the ceiling. The water connections can be made on the left or right hand side.

Full Range of Fan Heaters available on www.frico.co.uk.

Convectors

The circulation of air that forms in a room where the air is affected by a heat source is called convection. The air gets warm and rises, then cools and returns to be heated again. Heat disperses effectively while the upward directed warm air stream is utilized to counteract cold draughts from windows for example.

Ribbed pipe radiator

Frico's ribbed pipe radiators are designed for harsh environments and are approved for wet rooms, but are also



Ribbed pipe

available in designs for rooms at risk of fire. The retro design has also created a new application area in modern

housing. Frico's ribbed pipe radiators have a hard wearing and robust design in dark green sheet steel. The compact format means the radiator has a small footprint, but gives a lot of heat.

Thermowarm TWT

Easily positioned convector in several different designs.

Application

Thermowarm is a series of easily installed convectors designed for public buildings such as changing rooms, stores and toilets. TWTC can also be used in corrosive and



TWT

aggressive environments. TWT200 has a surface temperature as low as 60 °C, which makes it ideal for daycare centres and bathrooms.

Mini radiator FML

Compact mini radiator for frost protection and heating.

Application

The mini radiator/frost guard gives off a lot of heat despite the small size. The compact radiators are suitable for providing frost protection, but can also be used to heat many different areas,



FML

for example, homes, close to water pipes, small warehouses, greenhouses and electrical cabinets.

Design:-

The mini radiator/frost guard is available in white or stainless steel designs and is very easy to position on account of its small size.

Full Range of Convectors available on www.frico.co.uk.

Controls

The control system is the brain of a heating system and decisive for comfort level and energy consumption.



Control kit - Level 1

Airflow is controlled manually. Room thermostat controls the heat output in 2 steps.

- CB32N, control box
- RTI2, 2-step room thermostat

Control kit - Level 2

Airflow and heat output are controlled automatically based on the opening of the door and the room temperature.

- CB32N, control box
- MDC, magnetic door contact
- RTI2, 2-step room thermostat

Control kit - Level 3

Airflow and heat output are controlled automatically based on the opening of the door and the room temperature.

- ADEA, regulator
- ADEAIS, indoor sensor
- ADEAEB, control board
- ADEAGD1, additional electric board



Air Distribution Product Overview

Systemair develops, manufactures and delivers diffusers and adjustment dampers which contribute to a good indoor climate, designed for homes and workplaces. We have one of Europe's most modern Development Centres where we are measuring air flow, throw, sound and make full scale tests. Our range of diffusers, grilles and dampers are a valuable complement to our broad assortment of fans and heat recovery units.

Below is an overview of the products available from Systemair, more information can be found from our websites.

www.imos.sk

www.ravistar.com

www.systemair.co.uk

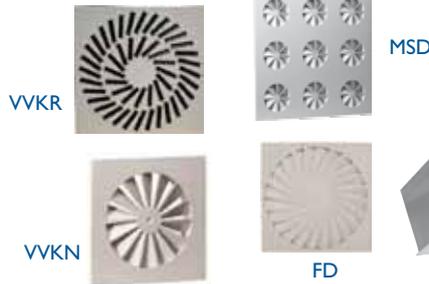
VISION:

- *research and development of own products
- *building of strong production with high technical level
- *customer satisfaction on all markets

All of our products are made using high quality materials and are tested in our specially designed ADP room, where we can simulate office conditions, by using smoke & lasers we can show how the air pattern is effected by either introducing warm heated air or cold air into the room and how wrongly positioned diffusers can cause drafts & dumping of air.

Square Plate Swirl Diffusers

Fixed blade & Adjustable, For mounting in ceilings.



Circular Plate Swirl Diffusers

Fixed blade & Adjustable, For mounting in ceilings.



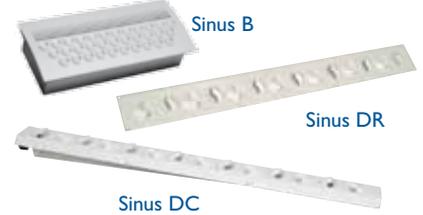
Sinus Nozzle air devices

Optimum air distribution for rooms.



Sinus Nozzle air devices

For Wall mounting & connection straight into spiral ducts



Ball Spout & Jet Nozzles

For mounting in walls or straight into ductwork



Elegant Wall & Floor Diffusers



Fixed & Adjustable Swirl Diffusers

Thermostatic adjustable or fixed options



Air Valves

Metal & Plastic, Supply & Exhaust types. Automatic adjustment valves



Floor Grilles & Diffusers

Circular heavy duty & Aluminium blade floor grilles

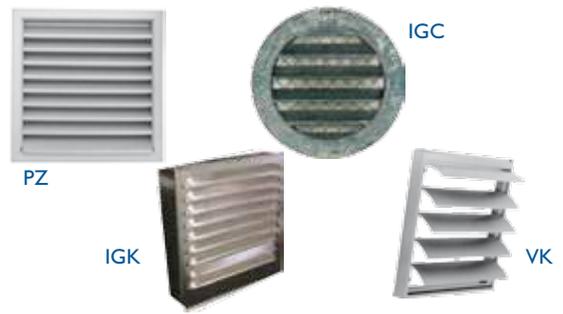


Circular Diffusers

Adjustable & Fixed Cone type for ceiling mounting.



External Weather Louvres & Wall Back Draught Shutters

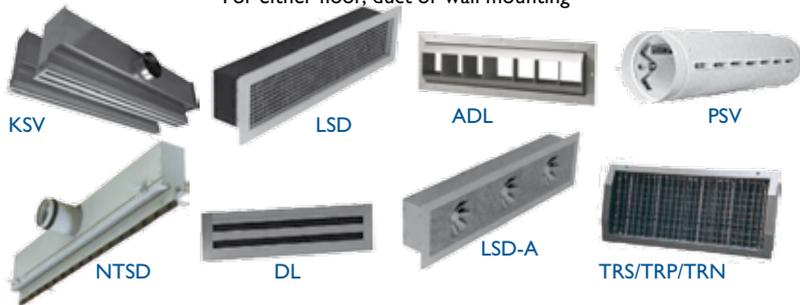


Louvred Faced & Square Ceiling Diffuser



Linear Bar & Slot Diffusers

For either floor, duct or wall mounting



Single & Double Deflection, Eggcrate Grilles and Air transfer Grilles

For mounting in ceilings or walls & doors



Iris Dampers

Volume control dampers



Air Transfer Devices

For mounting in walls.



Fire & Smoke Dampers

For Circular or Rect. Ducts.



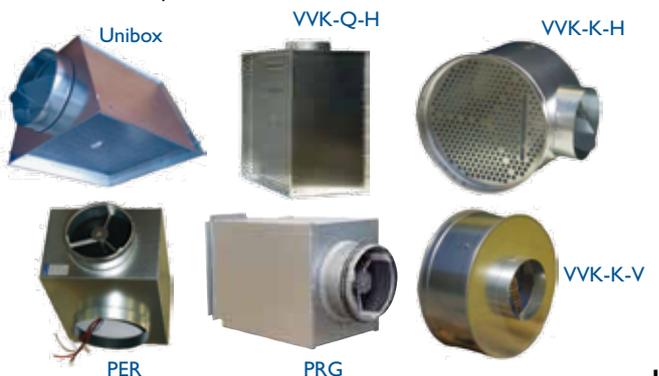
Constant Volume & Pressure Devices

For maintaining close control of the duct system.



Plenum & Spigot Boxes

For Square & Circular Grilles & Diffusers



Schools & Gyms



A school environment means a lot of people present at certain times of the day, i.e. generally there are relatively large variations. This means that it should be possible to use demand control for the ventilation system. Normally, heat recovery is warranted. There will be short periods during the year when cooling may be required. However if there is effective sunscreening, then air conditioning is rarely required. High demand for low noise levels. At day nurseries, activities, such as cooking, that create odours are common, so there is often a need for supply air and extract air to be kept separate. There must be heat recovery in the form of a plate heat exchanger, for example.

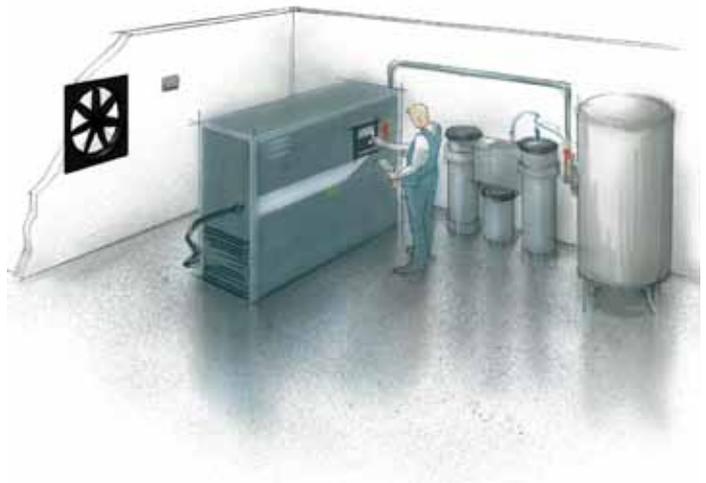
Applications



Industrial Areas



Industrial premises will often have high airflows if the work carried out there generates high levels of air pollution. If the pollutants are also aggressive, there may be requirements that affect the choice of material used. Systemair offers products for different environmental classes that can cope with tough environments. Filtration of processed air can be adapted to suit specific demands.



Kitchen & Restaurants



Kitchen Ventilation has been a focus for many year with the increase of filtration and the need to speed control fans. Systemair offer a range of Bifurcated “Motor out of the airstream” fans and well as standard Axials & In-line Centrifugal Fans to cover all your needs. Most of which can be controlled by the kitchen staff for varying demand on local speed regulators.



Applications



Retail & Offices



As a rule, the number of people in a shop changes constantly throughout the day, making a control-on-demand ventilation system the sensible option.

Recirculating air in combination with carbon dioxide control (CO₂) and heat recovery can be one optimised solution for these types of premises. When there are few people present, CO₂ levels will be low and an increased amount of return air can be mixed into the system.

As the number of people present increases, the amount of return air is reduced and replaced with fresh outdoor air. If heating is required at night-time, the premises are warmed up using 100% recirculating air.

Residential & Homes



Whether its central extract ventilation, cooker hoods or through the wall low voltage extract fans we can provide solutions. With homes becoming more aware of their carbon footprint, the need for energy efficient ventilation is a must. The VR & VX range of heat recovery units are designed especially for such applications.

Toilets & Shower Rooms



Run & Standby Ventilation has been a popular solution for toilets and areas of important hygiene, with twin fans dominating the way. Systemair offer a clever trickle & boost speed control to allow the fan to run at low speed when the toilet is not in use and boost to high speed (Via a sensor such as a PIR) when required. Thus preventing the system running flat out for the whole day and creating Demand Control Ventilation. The REU & RTRDU Controllers mean we can convert any standard speed controllable fan into a green energy solution.



Dartford Tunnel
Emergency Smoke Tunnel Fans



Media City - Salford
TA Supply Air Handling Units &
Multibox fans



Ikea - Cardiff
Supply of general ventilation fans



West Burton Power Station
Roof Fans ,ATEX fans & Air Handling Units



Wembley Stadium - London
417 no RVK Extract fans for the
hospitality boxes



Media Towers - Dubai
Smoke Extract fans
AXC & AXC(B) fans supplied



Royal Mail - Chesterfield
810 no VVKN 600-48 Adjustable Swirl
Diffusers supplied to offices



National Portrait Gallery - Edinburgh
Supplied DV Central air handling plant as part
of a 10m refurbishment. The gallery is the worlds
first purpose built national
portrait facility.