

Product overview

Ventilation, Heating, Cooling
with intelligent and energy efficient solutions from Systemair

Trust Systemair.

One partner – a million possibilities.



Reveal the secret of fresh air!



The company was founded in 1974 with a pioneering idea in developing and introducing the circular in line centrifugal duct fan which has simplified ventilation systems. Our motto "The straight way", has now extended from a product concept to a business philosophy. The

product portfolio has grown and today comprises of a wide range of energy efficient fans, air handling units, air distribution products, chillers, air curtains and heating products. The products are robust, easy to select, maintain and use.

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Our business concept is to develop, manufacture and market high-quality ventilation products. With the focus on our customers, we will be the most reliable company where quality, availability and delivery reliability are con-

cerned. In addition, dealing with Systemair as a customer must not be complicated. We invite you to join us in discovering the world of ventilation technology in this brochure.

Systemair across the world



Skinnskatteberg, Sweden

The Group headquarters, distribution center and largest production site. Production of compact air handling units and a wide range of fans and accessories. Production of air curtains and fan heaters for Frico, a company within the Systemair Group.

Hässleholm, Sweden

Production of heating products for air handling units, mobile and fixed fan heaters, plus dehumidifiers.

Windischbuch, Germany

Production facility and distribution center, specialising in engineered products.

Langenfeld, Germany

Production of air curtains.

Mühlheim an der Ruhr, Germany

Production of air handling units for swimming pool halls and comfort ventilation with extra high efficiency.

Ukmergė, Lithuania

Production of residential units and large air handling units.

Maribor, Slovenia

Production of high-temperature fans for smoke extract ventilation.

Aarhus, Denmark

Production of large air handling units – “central units”.

Bratislava, Slovakia

Production of air distribution products; fire dampers.

Hyderabad, India

Production of air distribution products.



Quality:

Systemair is certified in accordance with ISO 9001; ISO 14001, ATEX and European fire safety standard EN 12101-3. Our research and development laboratories are one of the most modern in Europe; measurements are made in accordance with international standards such as AMCA and ISO.

Save Energy, lower running cost!

Our label "Green Ventilation" features products with a high energy saving potential. All products labelled with "Green Ventilation" combine energy economy with energy efficiency.



Greater Noida, New Delhi, India

Production of duct, axial and box fans, air handling units and air distribution products.

Kuala Lumpur, Malaysia

Production of duct and axial fans.

Johannesburg, South Africa

Production of axial fans.

Lenexa, USA

Production of duct, axial and roof fans chiefly for the North American market. Distribution centre for the USA market.

Milan, Italy

Production of a wide range of liquid- and air-cooled chillers and heat pumps for comfort cooling.

Tillières, France

Production of air conditioning products for the commercial market.

Madrid, Spain

Production of large air handling units and box fans for markets in southern Europe, the Middle East and North Africa.

Bouctouche, Canada

Production of air handling units for residential use in North America, plus dehumidifiers.

Tillsonburg, Canada

Production of air handling units for classroom ventilation in the North American market.

Eidsvoll, Norway

Production of air handling units.

Istanbul, Turkey

Production of a wide range of air handling units and fan coils.

Waalwijk, The Netherlands

Production of air handling units.

Circular, rectangular & square duct fans

Available in AC & EC Versions

The circular and rectangular duct fans by Systemair offer the right solution for almost all ventilation applications complete with a diverse range of accessories.

The Systemair circular duct fan was the first of its kind and at the time revolutionised the world of ventilation. Continuously developed over the past 35 years, our circular and rectangular duct fans set today's standards with regard to performance, functionality and reliability. Systemair circular and rectangular duct fans are used in industry, offices and residential buildings wherever there is a need for compact solutions for reliable supply and extract systems.

You can find more circular and rectangular duct fans in our online-catalogue www.systemair.co.uk



Circular duct fan prioAir
Up to 0.37 m³/s



Circular duct fan KD*
Up to 2.80 m³/s



Rectangular duct fan RS/RSI & KE/KT
Up to 3.36 m³/s



Low-noise circular duct fan KVKE
Up to 0.60 m³/s



Circular duct fan K
Up to 0.48 m³/s



Square duct fan MUB-EC
Up to 7.40 m³/s



Circular duct fan RVK
Up to 0.50 m³/s



Kitchen high temperature fans

Our speciality, motors out of airstream

Systemair thermo fans – the first choice for high air flow temperatures and harsh operating conditions. They show their strength when expectations are a little bit higher, such as extraction from kitchens, process air systems, industrial ovens or similar applications.

Depending on the model, they are suitable for continuous air flow temperatures of up to 200°C. Over the years, Systemair has not only continued to develop its fans, but has also expanded and completed its range of products. Therefore, the scope of application is remarkably wide.

You can find more thermo fans in our online-catalogue www.systemair.co.uk



Thermo box KBR/KBT
Up to 2.10 m³/s



Multibox MUB/T
Up to 5.60 m³/s



Centrifugal fan AxZent
Up to 2.64 m³/s



Roof fan DVN
Up to 5.00 m³/s
Sound insulated versions available.



Multibox MUB/T-S
Up to 3.47 m³/s



Roof fan DVV
Up to 15.80 m³/s
Sound insulated versions available.



Bifurcated Axial fan AXCBF
Up to 5.60 m³/s



Roof fans

Our classics

The wide range of Systemair roof fans offers an excellent number of choices to suit your requirements. Very robust and durable, they provide reliable exhaust solutions. Systemair roof fans are available in horizontal or vertical discharge. Low-noise and explosion-proof designs, smoke extraction as well as thermo fans with motor outside the airstream complete the choice of products. The roof fan DVC ensures pleasingly low operational costs, as its EC motor saves energy and therefore CO₂.

You can find more roof fans in our online-catalogue www.systemair.co.uk



Roof fan TFSK
Up to 0.44 m³/s



Roof fan RAW
Up to 10.0 m³/s



Roof fan DHS sileo
Up to 4.43 m³/s



Roof fan DVS / DVC
Up to 4.12 m³/s
Sound insulated versions available.



Roof fan DVV
Up to 15.80 m³/s
Sound insulated versions available.



Roof fan DVN
Up to 5.00 m³/s
Sound insulated versions available.



Reference: Dunajski Kristali, Ljubljana, Slovenia

This business and residential complex is located in the most attractive location for business and residential activity in the capital of Slovenia. In addition to various roof, duct and axial fans Systemair supplied different sizes of DV air handling units.

Explosion-proof fans ATEX



Putting safety first

The field of explosion-proof fans is one of our strengths. Our product portfolio fulfils the highest expectations when it comes to ventilating areas where there is a risk of explosion. All Systemair Ex fans comply with the ATEX Directive 94/9/EC and fall in the ignition protection type Ex e "increased safety" or Ex d "flameproof enclosure." The range is completed by suitable accessories, approved for the Ex zone.

You can find more explosion-proof fans in our online-catalogue www.systemair.co.uk



Axial fan AXC-EX
Up to 53.0 m³/s



Plastic EX-fan PRF-EX
Up to 1.05 m³/s



Rectangular duct fan KTEX
Up to 1.37 m³/s



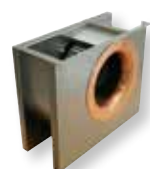
Axial fan AW-EX
Up to 3.00 m³/s



Roof fan DVV-EX
Up to 12.44 m³/s



Roof fan DVEX
Up to 2.19 m³/s



Radial fan DKEX
Up to 1.38 m³/s



Radial fan EX
Up to 0.33 m³/s



Circular duct fan RVK-EX
Up to 0.31 m³/s

Plastic Fans



Roof fan DVP
Up to 2.11 m³/s



Radial fan PRF
Up to 1.83 m³/s

Axial fans

Fans at their best

No matter how varied your requirements and applications, the axial fan range at Systemair is sufficiently comprehensive and consistent.

The scope of application ranges from large shopping malls to underground car parks to tunnel and metro projects across the world. Applications relevant to safety,

such as smoke extraction and explosion-proof fans are part of our core competences.

The AW sileo and AR sileo range are suitable for low pressure, the AXC range is used for medium to high pressure, for example in industry applications. Our large range of accessories makes individual solutions possible.

You can find more axial fans in our online-catalogue www.systemair.co.uk



**Medium pressure axial fan
AXC**
Up to 139.00 m³/s



**Low pressure axial fan
AW sileo**
Up to 10.14 m³/s



**Medium pressure axial fan
AXC-G**
Up to 97.00 m³/s



**Low pressure axial fan
AR sileo**
Up to 10.14 m³/s



**Medium pressure axial fan
with short casing AXC-SC**
Up to 22.50 m³/s



Smoke extraction fans

Customised solutions for your safety

Safety-relevant applications require customised solutions without compromise. As one of the leading suppliers in the field of ventilation technology, Systemair offers an unprecedented range of large smoke extract fans. These set global standards. For this reason, you have the right to expect significantly more from us in the important area of smoke extraction.

Our entire offer of smoke extraction fans has been tested according to the European product and testing standard EN 12101-3. It covers temperature classes:

- **F300 – 300°C/120min.**
- **F400 – 400°C/120min.**
- **F600 – 600°C/120min.**





Roof fan DVV
Up to 15.55 m³/s



Wall fan WVI/WVA
Up to 11.11 m³/s



  
Roof fan DVG
Up to 7.77 m³/s



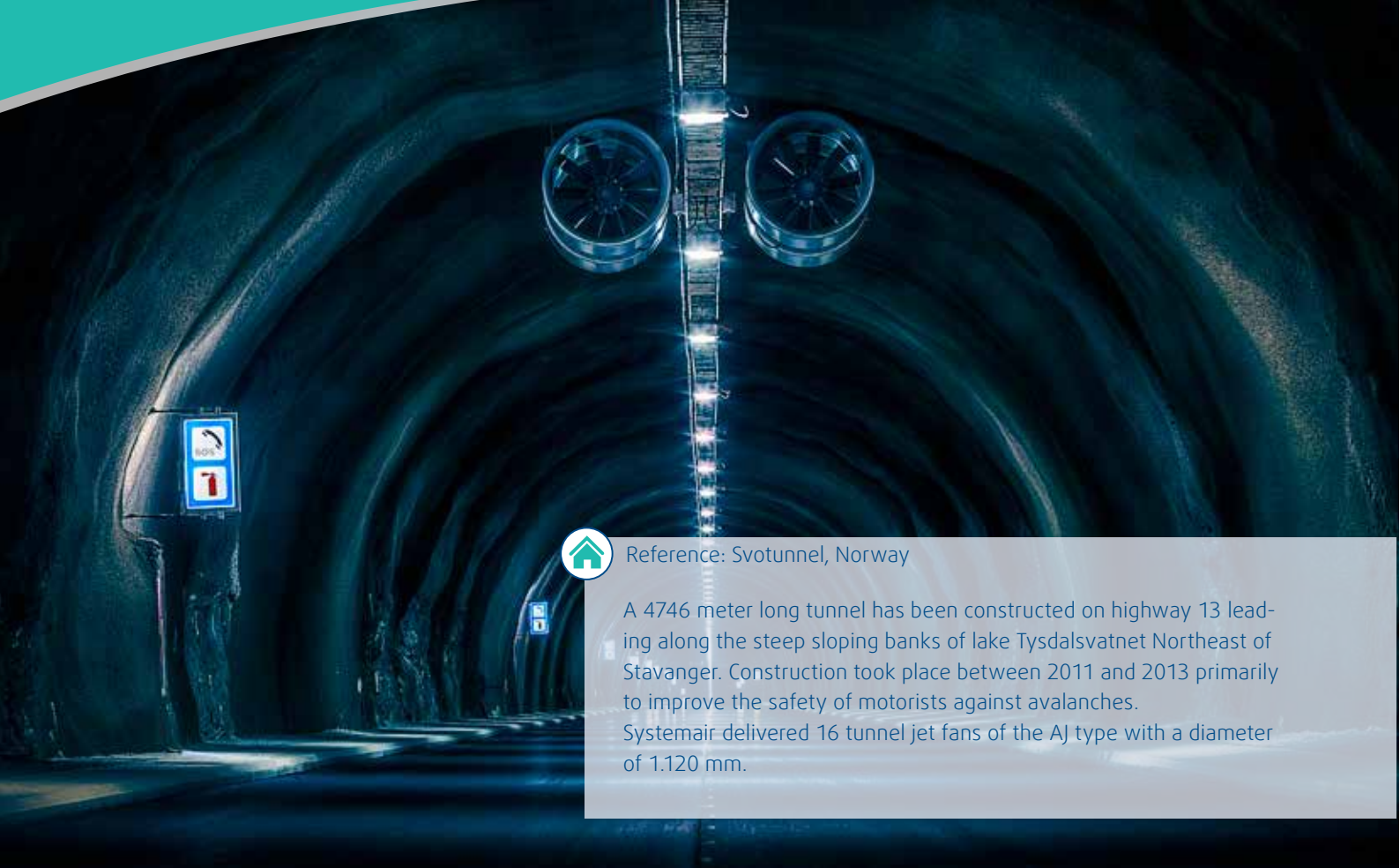
Axial fan AXC(B)-G
Up to 58.88 m³/s



Centrifugal fan MUB/F
Up to 3.825 m³/s



Axial fan AXC(F)
Up to 58.88 m³/s



Reference: Svtunnel, Norway

A 4746 meter long tunnel has been constructed on highway 13 leading along the steep sloping banks of lake Tysdalsvatnet Northeast of Stavanger. Construction took place between 2011 and 2013 primarily to improve the safety of motorists against avalanches. Systemair delivered 16 tunnel jet fans of the AJ type with a diameter of 1.120 mm.

Tunnel fans

High-performance complete systems

Our tunnel fans ensure safety and comfort in road, metro and rail tunnels. They prove their performance right from the construction phase of the tunnel project supplying the site with fresh air.

Tunnel fans transport exhaust gases, dust and heat to the outside, ensuring a clear view and reasonable conditions for people and machines. In case of fire, they keep escape and rescue routes free of smoke and heat. Our tunnel smoke extraction fans are tested according to EN 12101-3 for temperatures up to 400°C for 120 minutes. Systemair is able to offer complete systems with frequency inverter, fan and accessories. Air volumes up to 150 m³/s and 5000 Pa are available.

You can find more tunnel fans in our online-catalogue
www.systemair.com



Axial fan AXR/AXC

Single and multi stage, unidirectional and truly reversible



Tunnel-Jet-Fan AJ

Up to 2.300 N



MoJet®

Up to 2.500 N

Car Park jet fans

Complete solutions CFD, Design & Controls

Improved air quality, lower investment and operational costs, as well as optimum safety in the case of fire are only a few of the advantages of a jet fan system for underground car parks. As system supplier, Systemair offers all the necessary components from a single source and customised especially for the project: jet fans, main exhaust/supply fans, as well as the control system.

Already in the planning phase, we provide support to our customers through valuable CFD simulations (Computational Fluid Dynamics), in order to ensure efficient operation when required. Systemair jet fans are tested according to EN 12101-3 and correspond to the temperature class F300–300°C/120min, and F400–400°C/120 min.

You can find more car park jet fans in our online-catalogue www.systemair.co.uk



Jet fan AJR-TR
Thrust: 23-55 N



Jet fan AJ8-TR
Thrust: 23-80 N



Jet fan IV
Thrust: 50-85 N



prioJet
Thrust: 12 N



Reference: Dubai Mall, United Arab Emirates

The "Dubai Mall," the largest shopping mall in the world, opened in January 2008. Systemair supplied 1.826 jet fans of the AJR type for the ventilation of the underground car parks. Upon request, they were coated with a special white powder. The mall has car parks for approximately 16.000 vehicles. The assignment was completed between March and September 2006.



Residential systems ventilation

The complete service



A ventilation unit with heat recovery provides high living comfort with well heated and clean supply air to the user. Furthermore, the energy saving potential meets the future requirements. The decision for a unit with heat recovery allows combining comfort and energy savings.

Systemair's residential air handling units are suitable for homes, smaller offices and similar premises. Our new units fulfill the high demands on the market for low energy consumption and sound levels. The EC-technology ensures the fans are energy efficient and contribute to a low SFP factor.

Our units have rotary or counter flow heat exchangers, and operate at a high efficiency in any condition. The units are operated and monitored by a modern control system where the status of the unit can easily be monitored.

You can find more residential ventilation units in our online-catalogue www.systemair.co.uk



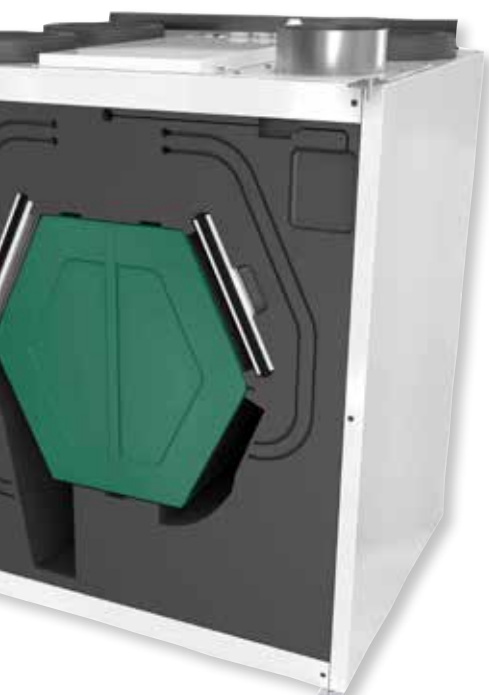
SmartDial
Wireless controls
for any SAVE MVHR unit



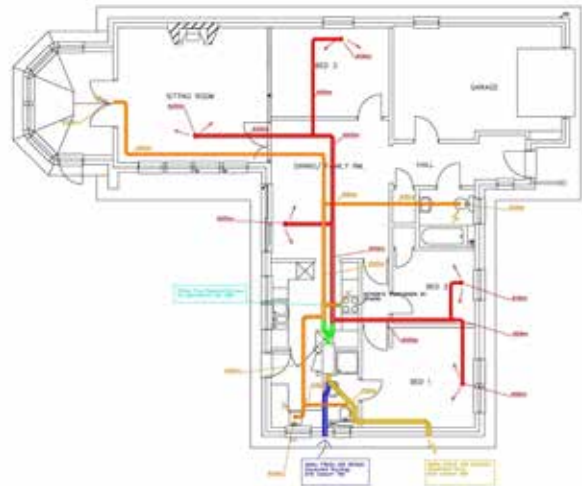
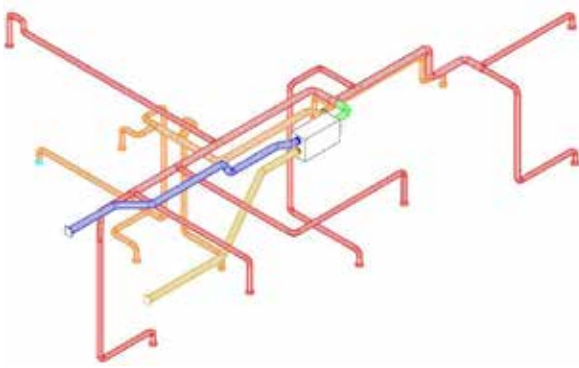
Exhaust valve Balance



**Plastic duct, ISO+duct,
flat duct, circular duct**



Save VTC 200 HRU

**SAVE VSR 150**

Up to 100 m²
Void Mounted / Rotary
Wheel HRU

**CD User Controller**

Demand Ventilation
Control system with all
SAVE HRU

**SAVE VTC 200 / 300**

Up to 240 m²
Wall Mounted /
Counter flow HRU

**Horizontal HRU
SAVE VSR 300 / 500**

Up to 400 m²
Horizontal Mounted /
Rotary Wheel HRU

**SAVE VTR 150**

Up to 100 m²
Wall Mounted / Rotary
Wheel HRU c/w
Integral Cooker hood

**Vertical HRU
SAVE VTR 200 / 300 / 500**

Up to 400 m²
Wall Mounted / Rotary
Wheel HRU

Compact air handling units

Built in controls - with EC motors

Our compact air handling units save both energy and time. Delivered ready for connection, which ensure easy installation.

All components, such as fan, filter, heat exchanger, heating battery as well as control and regulator unit, are integrated and coordinated with each other.

In this way, you obtain a healthy and pleasant indoor climate in offices, schools, hotels and many other buildings. They are extremely energy efficient due to modern motor technology and highly efficient heat exchangers.

You can find more compact air handling units in our online-catalogue www.systemair.co.uk



Supply air handling unit TA

Up to 1.25 m³/s



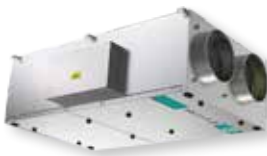
Compact unit Topvex SR/SX

SR: Up to 1.90 m³/s

SX: Up to 0.83 m³/s

R = rotary heat exchanger

X = cross-flow heat exchanger



Ceiling void Topvex FR/FC
FR rotary heat exchanger

FC counter flow exchanger

Up to 1.66 m³/s



Compact unit Topvex TR/TX

TR: Up to 1.66 m³/s

TX: Up to 0.83 m³/s

R = rotary heat exchanger

X = cross-flow heat exchanger



Compact unit DVCompact
with rotary and cross flow
heat exchangers, supply
and extract units

Up to 11.00 m³/s

Integrated Cooling options:



Topvex SoftCooler
Cooling capacity:

TR: Up to 25 kW

SR: Up to 23 kW



DVCompact SoftCooler
Cooling capacity:

Up to 96 kW

Modular air handling units

Easy to select & maintain

Our modular air handling units are flexible where there is a demand for ventilation systems. They are configured as a modular system according to customer requirements, and hence create an indoor climate perfect for that particular building.

The combination possibilities are extensive. Modular air handling units are also available in outdoor versions with fully integrated controls.

You can find more modular air handling units in our online-catalogue & download our selection programmer

www.systemair.co.uk



Flat ceiling void AHU F

Up to 0.95 m³/s



Modular unit K

Up to 4.40 m³/s



DV TIME

TIME: Up to 4.15 m³/s



DV

DV: Up to 25.00 m³/s





Air handling units

Manufacture, supply, commissioning & maintenance

Menerga supplies air conditioning systems individually designed for your requirements. Our philosophy, "Creating a good indoor climate - through **Minimal ENERGY Application**", is something we have succeeded in every single day. With over 40,000 systems installed worldwide, we cover almost every area of application. We do not only sell the units, but also offer you our many years of experience. We are proud to be part of the internationally successful Systemair Group since 2013. www.menerga.co.uk



Indoor swimming pool air conditioning

Private swimming pools, public swimming pool halls, adventure pools, sports pools, saline baths, hotel pools, school pools, therapeutic pools and many more.

Last but not least: heat recovery from waste water.

The air conditioning of swimming pool halls is one of the most challenging areas for air conditioning. We started 30 years ago, and grew up where today we find ourselves as market leaders and innovative pioneers. Our special competency lies in high heat recovery efficiency lowering operating costs, while robust system design overcomes adverse conditions.



Comfort air conditioning - Adiabatic Cooling

Low-energy buildings, offices, museums, sports facilities, schools, clinics, hotels, banks, historical buildings and many more.

With comfort air conditioning, the focus is on people. Our technology is based on the respective requirements of a project, but simultaneously always looks for the most efficient method with the lowest consumption of energy. For example, we cool with water in order to save electrical energy or make use of sorption-based air conditioning, with which you can carry out dehumidification by means of heat, e.g. from solar thermal energy or process waste heat. It is even possible to store excess solar heat for an indefinite period without any losses for the purposes of dehumidification.

Air distribution products

Function and form perfectly fused

Systemair develops, produces and delivers air distribution products, valves and flow rate regulators for private and commercial buildings.

These components not only comply with the interior design requirements, but also make their own contribution to a pleasant indoor climate. This is guaranteed by our development lab, which is one of the most modern in Europe. There we measure air volumes, throw, coanda effect, sound level and temperature sequences so we can provide our customers with accurate data.

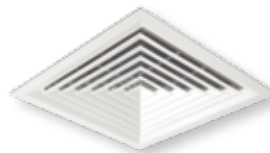
You can find more air distribution products in our online-catalogue www.systemair.co.uk



Ceiling diffuser TSD



Swirl diffuser VVKR-Q



Louvre Faced Kvadra



Air Valves EFF



Ceiling diffuser Sinus



Linear Slot Hella



Flush jet nozzle AJD



**Flow rate regulator
Iris damper SPI**



**Supply/exhaust air grille
NOVA**

Fire & smoke dampers

Protecting lives

As standard, all fire dampers are designed and CE certified according to EN 15650 to comply with EIS* performance attributes. As standard, all dampers can be supplied with a

manual actuator, optional accessories, e.g. micro-switches, electromagnets, or a servo-driven actuator and communication control units.

*E = Casing integrity I = Thermal insulation S = Smoke leakage



Circular fire dampers
EI60/90/120S tested
according to EN 1366-2



Fire dampers to ATEX
Enviroment EI60/90/120S
tested according to EN 1366-
2 conform with directive
94/9/EC for classification
Ex II 2/- G c IIB



**Square & Rectangular
fire dampers**
EI90/120S tested
according to EN 1366-2



**Smoke dampers for one
compartment**

$E_{600} 120(v_e h_o i \leftrightarrow o)$
S500C₁₀₀₀₀AA single
tested according to
EN 1366-10



Evacuation dampers
EI30S/E60S tested
according to EN 1366-2



Fire air grilles

EI190, EI2120, E120,
EW60 tested according to
EN 1634-1



Cartridge fire damper
EI60/90/120S tested
according to EN 1366-2
and classified according
to EN13501-3

VAV & CAV Devices

Demand control from one source

Single or double skin circular VAV terminal units are commonly used for return air applications or for supply applications at low system pressures. Optima terminal units are ideal for single zone control with supply and return in Master and Slave setup such as offices, hotel rooms or meeting rooms where the required cooling and heating load will vary on demand.

- Damper tightness class 4 according to EN 1751
- Casing tightness class C according to EN 1751
- ILH Hygienic certification VDI 6022 & VDI 3803 for Standard Ventilation & Clean room application
- High measuring accuracy of 5 %
- Air volume range of 36 to 14589 m³/h
- Operating range of up to 1000 Pa
- Double skinn version OPTIMA-R-I with external 50mm noise & thermal isolation under steel sheet cover



Optima-VAV

Single & Double skin circular & square VAV device



RPK-CAV

Single & Double skin circular & square CAV device



RPK is a constant air flow controller which is used for exact mechanical setting of required air volume in ventilation systems without need of any other energy.

RPK is characterised by:

- regulation accuracy
- easy mounting
- maintenance-free

The RPK enables regulation of individually required amounts of air in separate ventilation system zones. RPK-S works in temperature from -20 to 80°C and relative humidity up to 80%. Recommended air flow velocity is from 3 to 8 meters per second at pressure difference to Δp 500 Pa. Accuracy is ± 5 % (± 10 % for outer settings).

Air cooled & water cooled chillers

Systemair, a leading company in HVAC equipment for ventilation and air distribution globally, has entered the air conditioning and refrigeration market. The production is equipped with high-tech machinery and has one of the most modern research centers in Europe for the development and testing of Chillers & Heat Pumps. This includes

a wide range from 20 kW to 1700 kW meeting a diverse range of applications in air conditioning and industrial processes. The range consists of air and water cooled Chillers and Heat Pumps in condensing and non condensing models. These are all Eurovent certified.

Advance Class A



SyScroll Air EVO HP

- 20-33 kW
- 20-33 kW
- R410A
- Scroll
- DCI compressor



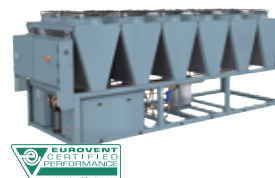
SyScroll Air CO/HP

- 80-130 kW
- 90-140 kW
- R410A
- Scroll



SyScroll Air EVO CO HP TR

- 137-341 kW
- 145-364 kW
- R410A
- Scroll



SyScroll Air CO HP TR

- 238-654 kW
- 256-680 kW
- R410A
- Scroll



SyScrew Air CO

- Screw compressor with or without heat recovery
- 360-1300 kW
- R134a
- Screw



SLS HE

- Screw compressor with or without heat recovery
- 1142 to 1690 kW
- R134a
- Screw



SyScrew Water EVO

- Screw compressor
- 400-1570 kW
- R134a
- Screw



WQL/WQH

- Scroll compressor
- 20-386 kW
- 23-423 kW
- R410A
- Scroll

Close control air conditioning


The air conditioners belonging to this series have been specifically designed and manufactured for close control air conditioning where the handling is almost exclusively where sensible heat loads are a fundamental requirement. Typical applications for the range 5 kW to 153 kW are computer rooms, digital telephone exchanges, switch

rooms, weather stations, medical laboratories, CAT and MR scanners, as well as any other application where a sensible heat load must be dissipated without modifying the relative humidity. The series, which can be either up-flow or downflow, offers a large range of accessories and variations in design, allowing for maximum flexibility.



CD


Dx vertical package

 10-24 kW

 R407C

MD

Dx vertical package


 20-70 kW

 R407C



CW

Chilled water vertical package

 5-150 kW

Remote condenser



CG

Remote air cooled condensers

 R407C

Free-cooling



SyFreeCool





Rated @ A 0°C - W 15/10°C

Roof Tops

Rooftop air conditioners are air handlers designed for outdoor use, typically roof mounted. Rooftops are compact units to which air ducts are mounted to distribute conditioned air throughout the building. Systemair is offering a wide range of rooftop units for various applications.



HAN

-  9.8-31 kW
-  9.6-30.5 kW
-  R407C
-  Scroll



ROOFTAIR

-  30-108 kW
-  33-108 kW
-  R407C
-  Scroll

Water source heat pump



EFTYS




Water source heat pump

-  2.1-3.0 kW
-  2.7-3.6 kW
-  R407C



DK DN

Air to split system

-  12-83 kW
-  12.4-83.8 kW
-  R407C



HRW



Water source heat pump

-  5.3-30 kW
-  5.8-38 kW
-  R407C



CDN





Air cooled condensing unit

-  19-83 kW
-  R407C



CWAR



Water source heat pump

-  1.9-2.7 kW
-  2.4-3.2 kW
-  R407C
-  Scroll



X + UC

Vertical air cabinet

-  8.7-55 kW
-  R407C

Water terminals



Fan coils, Cassettes & Chilled beams

Systemair water terminals are available in a wide range of configurations suitable for most applications. Two and four pipe options as well as a comprehensive range of controls and accessories are available.



AQUAFAN II



Fan coil unit

-  1.0-9.0 kW
-  1.2-11.3 kW



KOG LN



4-way chilled water cassette

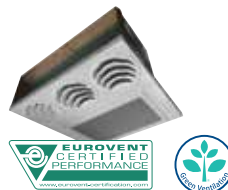
-  1.6-9.3 kW
-  2.1-11.7 kW



HAWAIR



High wall chiller water unit

-  1.7-4.7 kW
-  2.0-5.9 kW



KCO2



1-way chilled water cassette

-  0.6-6.8 kW
-  0.7-8.8 kW



VH

High static pressure ductable fan coil

-  4.4-28.4 kW
-  5.2-33.9 kW



DUCTYS

Medium static pressure ductable fan coil unit

-  0.6-6.8 kW
-  0.7-8.8 kW

EC motors



CIRRUS

Chilled beam



STRATUS

Chilled beam cassette

DX Splits & Multi-split AC units

The SYSPLIT air conditioner range are specifically designed for small to medium sized areas, offering the end user improved comfort and reducing drastically the power consumption. The expanded range of SYSPLIT air conditioners is of superior performance and quality, providing more choice for customers.

Our innovative products offer the ideal solution when you need quiet and efficient room air conditioning to create a comfortable environment.

The latest generation of SYSPLIT air conditioners are among the most technically advanced and energyef-

ficient systems available today. In addition to Single Split systems, Systemair also offers the SYSPLIT MULTI – an advanced range of inverter Heat Pump Multi Split Systems with up to 5 indoor units of different types that can be connected.

All SYSPLIT inverter systems utilise the non-ozone depleting R410A refrigerant, which gives increased system performance, increased energy-efficiency and improved heat transfer, which results in smaller pipe sizes and more compact indoor units.



Sysplit Hi Wall
Up to 6.45kW



Syscontrol
Wired or Infra red



Sysplit Cassette
Up to 16.11kW



Sysplit Duct
Up to 35.0kW



Sysplit Ceiling
Up to 5.11kW



SysHRV
Up to 2000m³/hr



Sysplit Wall
Up to 5.11kW



Outdoor Units
Single or Multi-Splits
Up to 5 indoor units

VRF Air conditioning

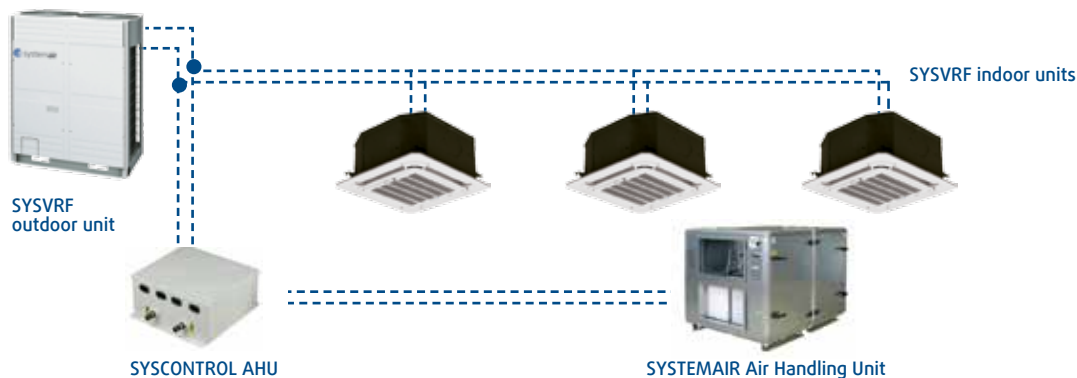
2 & 3 Pipe systems

The SYSVRF modular systems are most valuable for room space from 100 to 1000 sq.m. with large independence of climatic zones - hotels, restaurants, retail, office buildings, etc. Up to 4 modular outdoor units can be combined in one single refrigerant system thus reaching up to 200kW of cooling capacity and connecting up to 64 indoor units. In the same system they are able to fulfill the increasing demands of air comfort still having low operating costs.

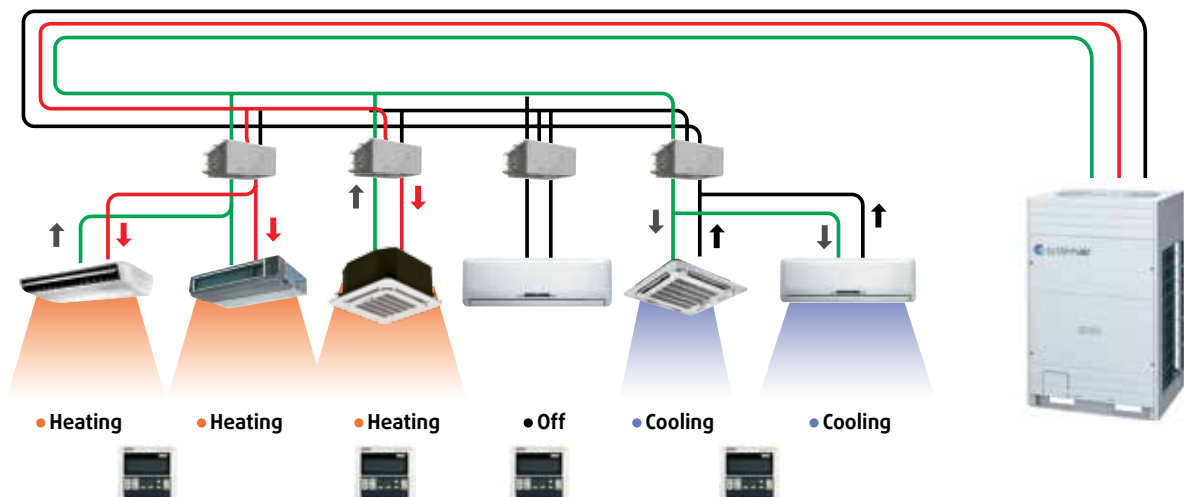
SYSVRF of Systemair are available with different configurations: the typical heat pump Mini and Modular 2-pipe outdoor units or the superior Modular heat recovery 3-pipe units.

All SYSVRF systems are equipped with DC Inverter compressors and DC Inverter fans which gives enhanced system performance and very low operating noise. The new generation of 3-pipe systems are equipped with all DC Inverter compressor which delivers outstanding comfort pleasure and reduces tremendously the electricity consumption.

Let Systemair SYSVRF control your AHU DX Cooling coil with SYSCONTROL AHU



SYSVRF 3-pipe system for demand air conditioning





Air curtains

Electric, LPHW & Ambient Versions

Frico air curtains create an invisible barrier in open entry and passage areas. Different temperature zones are separated from each other, without blocking the access of people or vehicles.

Our air curtains reduce cold draughts and energy losses and create a pleasant indoor climate. They are equally

helpful where the escape of cold air or the access of dust, exhaust gases or insects must be prevented. The Thermozone technology in our products lends excellent properties in terms of performance, sound level and orientation of air flow. Modern and aesthetically pleasing products are developed in co-operation with leading architects and product designers. Our wide range includes systems with or without heating, suitable for openings in any area - from the passenger through to the aircraft hangar.

www.frico.co.uk



ADCS/ACCS

Stainless steel finish for exclusive installations



AGS

For heavy commercial use



RDS

For revolving doors



AGI

For industry



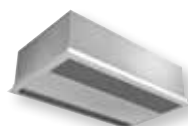
SFS

For revolving doors and circular sliding doors



UF600

For industry



AR

Recessed installations for comfort entrances



PA

For commercial entrances.

Radiant heaters

Heating as nature intended

Our radiant heaters imitate the sun. Heat only develops once the rays encounter a surface. First they heat up the people, then the air. As such, the temperature can be diminished without compromising comfort. Spot and surface heating is possible with heat radiation systems. Large surfaces can be divided in small areas and heated differently, depending on needs. According to the same

principle, even a single working space can be heated. This means that energy is saved and comfort increased. Thanks to their discreet design, our radiant heaters provide heat without standing out. Easy to integrate in any context, they don't cause any air movement and leave walls free due to being mounted on the ceiling.



Infrared heater IH/IHC

Exposed outdoor environments, electrical heated



Elztrip EZ

Radiant panel, electrical heated



Infrared heater CIR

Enclosed outdoor environments, electrical heated



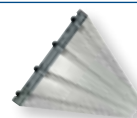
Infrared heater IR

For industry, electrical heated



Thermocassette HP

Recessed mounting, electrical heating



Aquaztrip AZB

For industry, water heated



Aquaztrip AZD

Recessed mounting, water heated



Thermowarm TWT

Convactor, electrical heated



Thermoplus EC

Cold draught protection, electrical heated



Radiator 125

Ribbed pipe radiator, electrical heated



Reference: Hotel Avalon in Gothenburg, Sweden

Hotel Avalon is located in the centre of Gothenburg and is a four star design hotel with 101 rooms. Great emphasis is placed on the hotel's architecture. The atmosphere is important and the customer experience is key. During the summer months Avalon opens its large outdoor terrace with seating for 180 dining and bar guests. Much of the

terrace is quite exposed and so infrared heaters IH have been installed along the walls to provide evening heat. IH is compact and has a design that fits well into Avalon's sleek and stylish environment. It has a high intensity halogen bulb and polished reflector, which provides heat even in open areas.



Fan heaters

Powerful and quiet

For decades, Frico has been one of the global leaders in manufacturing fan heaters. These are used in very different contexts, such as storage rooms, sport venues, shops, drying rooms, stables and boats. The investment for fan heaters is relatively low in comparison to other heating systems. Frico fan heaters have an extremely compact and light design. They are portable and easy to mount on a wall.

Nevertheless, they meet the highest expectations even under aggressive conditions. They are available with electrical or warm-water heating and are very quiet and at the same time powerful. In addition to that, our fan heaters offer the advantage of heating and ventilation (mixed air).



K21

Compact portable, electrical heated



Elektra

Hard wearing portable or wall mounted, electrical heated



Tiger

Robust portable, electrical heated



SWH

Wall mounted with intelligent control, water heated



Cat

Compact wall mounted, electrical heated



SWS

Wall mounted, water heated



Panther

Wall mounted, electrical heated



SWT

Ceiling mounted, water heated



Reference: Warehouse in Gothenburg, Sweden

Numerous types of goods are delivered and received every day in this warehouse of 3.000 m². Therefore, the doors remain open for a large part of the day. In order to compensate for the cold air from the open doors,

Frico fan heaters of the SWH22 type were installed in various locations across the building. At the same time, radiant panels of the EZ line heat up the working stations at the centre of the warehouse.



Website, Selection Programmes & Catalogues

We make it easy

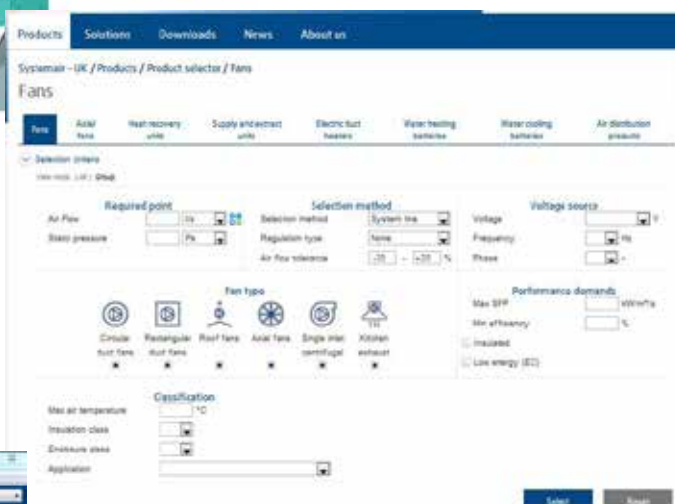


Websites

www.systemair.co.uk
www.frico.co.uk
www.menerga.co.uk
www.fansandspares.co.uk
www.villavent.co.uk

Selection Programmes

Available to download from our website
www.systemair.co.uk



Catalogues & Brochures

Available to download from
www.systemair.co.uk
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