

Topvex

Easy. Compact. Quick.





The power of air makes you focus at work, relax in your home and be productive in school.

This is why we, at Systemair, constantly strive to develop new solutions and products that offer fresh air in a cost-effective, sustainable way.

Our new generation of Topvex stems from Systemair's ambition to provide an integrated solution that is easy to configure to suit customer needs, while ensuring easy installation and fast delivery.

Because at Systemair, we want you to breathe easy and focus on the more important things in life.

Air means life - and better air means a better life.

topvex

EASY. Selection, installation and intuitive control system

COMPACT. Minimum space required with efficient performance

QUICK. Wide range of standardised units with fast delivery



SELECT

Systemair Configurator

Makes the right choice simple

Our configurator software makes it easy to design and configure your Topvex unit so that it is optimised for the specific requirements of your building. The software is web-based and available on our website. It is user-friendly, with 3D visualisation and downloadable documentation.



INSTALL

Topvex

Smooth planning and installation

The new generation of Topvex air handling units is an integrated, intelligent solution offering innovation, energy savings, noise reduction, and sustainability.

Standardised design offers built-in flexibility, drastically shortens lead times, and ensures fast delivery.

Key design features simplify transport, installation and commissioning.



Experience the new Topvex generation!

The new generation of Systemair Topvex air handling units offer even higher energy efficiency and a wider range of application areas. The line now includes both Topvex Counterflow versions and our new Topvex Rotary range.

When we created the popular Topvex line, we designed it to be easy to work with, every step of the way. Our new, user-friendly configurator helps you **select** the best unit for your requirements. Our standardised design with built-in flexibility reduces lead times and ensures fast delivery and easy **installation**. The Systemair Access control system makes it simple to connect, configure and **control** Topvex units and handle multiple units via a cloud service.

These are just a few of the things that make Topvex not only right for your building's air flow but also for your workflow.

CONTROL

Systemair Access Connect, configure, control

Systemair Access is a complete smart control solution that reduces installation and startup time. All connectors for external components are clearly marked and grouped together. The robust, ergonomic control panel is external for easy access. It features intuitive menus that help you create the perfect indoor climate. Multiple units can be connected to a cloud service for complete overview and accessibility.



Key configurator benefits:

- Easily select, design and configure air handling units
- Obtain BIM data through plugin for Revit, AutoCAD and MagiCAD
- Create and download all relevant documentation

The easiest way to select the right Topvex unit for your project:



1. Go to the Systemair Configurator

You can get there on www.systemair.com or by scanning the code here.



2. Find your Topvex unit

Input your conditions and requirements to find the Topvex unit that is right for you.



3. Preview and select

Preview suggested Topvex units and select the one most suited to your needs.



4. Review and adjust standard configuration

Check the detailed product information and specifications to ensure the product meets your requirements.



5. Generate technical report

Get the documentation to share with your planning and installation team.

Systemair Configurator

Makes it simple to choose
the best Topvex configuration for your project.

Consultant or designer? If so, we don't need to tell you that efficient planning and execution are crucial to the success of your project.

The Systemair Configurator is a powerful product selection tool that makes selecting, designing and configuring your air handling units easy. The user-friendly interface helps you choose the right Topvex unit quickly, simply by entering the operating parameter working points.

Based on your input, the Systemair Configurator will calculate all relevant, project-specific parameters to find and select the optimal Topvex configuration and the ideal accessories for the project.

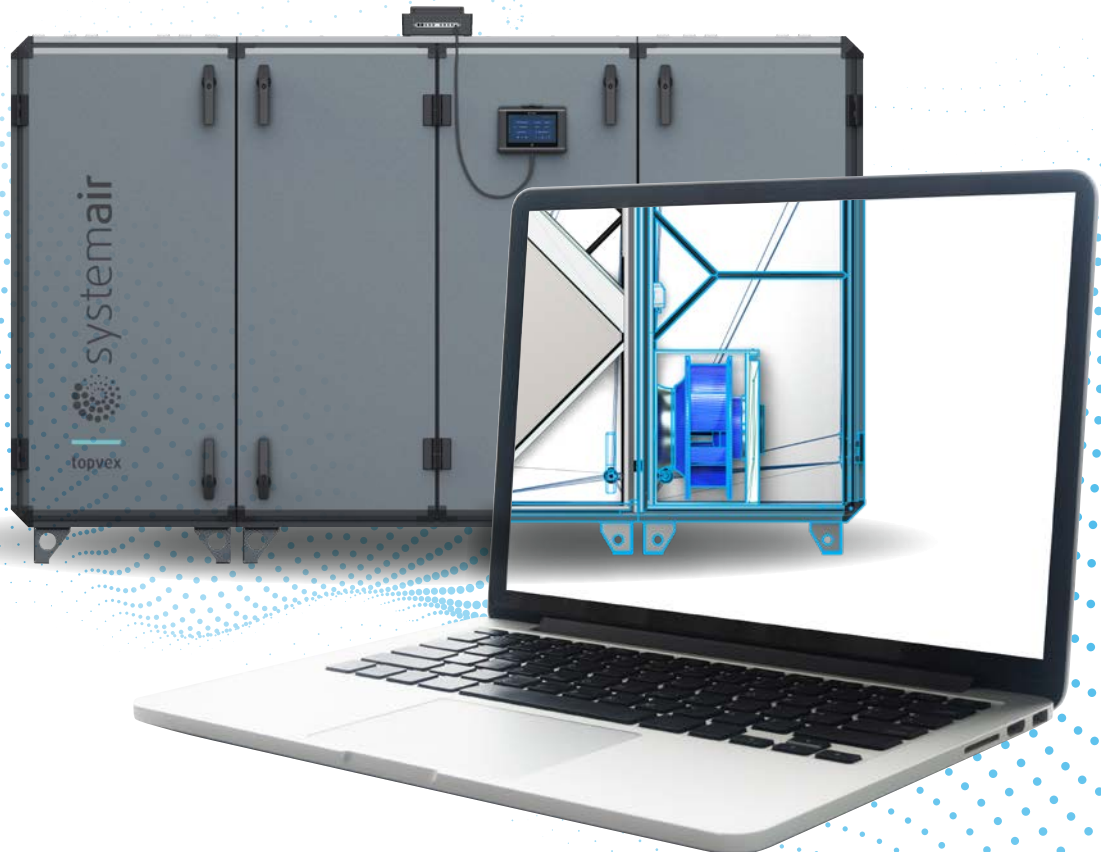
Use the Systemair Configurator in your own design software with the new Topvex plugin

Select and configure your Topvex AHU with just 4 simple commands, without leaving your CAD software! Our brand new plugin for Topvex can be downloaded and used directly in Revit, AutoCAD and MagiCAD. It goes without saying that the plugin is free to use.

SELECT



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Installation couldn't be easier

Looking for a truly compact air handling unit?

You've found it! We set out to make installation of Topvex units really easy. Installing a unit in, for instance, a plant room should involve as few operations as possible. And it should be possible to do it quickly. We also wanted plug-and-play operation, with preconfigured integrated controls and easy start-up and commissioning.

We made it happen!

Thanks to the compact design with a smart frameless casing, Topvex air handling units occupy minimum floor space, yet we have not compromised on performance.

We selected the components to offer the performance we wanted, then optimized the size of the unit around them. The result is that the standard unit has a small footprint and can fit through a standard door opening of 900 mm*. It can be easily adapted to different environments, particularly where space is limited.

Transportation and installation are easy

All units and sections have compact dimensions to ensure easy transportation and installation. Panels, doors and sections are easily disassembled, and larger units can be divided into sections to make installation even easier.

* Excl. SR 100

INSTALL



A photograph of two construction workers on a scaffolding at a building site. The worker on the left is wearing a red hard hat and a blue jacket with a high-visibility vest, pointing upwards. The worker on the right is wearing a yellow hard hat and a plaid shirt with a high-visibility vest, holding a large white blueprint. The background shows the complex metal structure of the scaffolding and the building's framework.

The new Topvex generation

- Two ranges: Rotary and counterflow
- Truly compact design, efficient performance
- Easy transportation and installation
- Wide range, more sizes, incl. models with extended airflow
- Short lead times, fast delivery

Benefits for consultants and installers

INSTALL

Whether you are a consultant or an installer, the new Topvex generation offers benefits for your business. The units are available in two ranges, Rotary and Counterflow, and each range offers a variety of configurations.

Check this out

- New smart casing design: minimum footprint with efficient performance
- Energy efficient: heat recovery >80% and energy efficient EC fans
- Eurovent certified energy efficiency
- VDI hygienic requirements
- Casing performance improved (values TB2, T2, D2, L2), corrosion class C5

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For the consultant: Compact, with more sizes to choose from

Topvex units take up less space in the technical fan room. Plus, you have an even wider range of units and dimensions to choose from, including a range of sizes with extended airflow. Select the right units quickly and easily with Systemair's user-friendly product selection software.

For the installer: Easy transportation and installation

You can fit most Topvex units through a 900 mm opening and bigger sizes come as split units. Installation is plug-and-play. Commissioning is simple using the intuitive Access Control System with simple navigation and configuration Wizard.

Best of all, short lead times, fast delivery!

Need your Topvex units yesterday? Since we stock a wide range of standard units and models with individual item numbers, we can offer short lead times and fast delivery. Every Topvex unit is factory tested.



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Important features

Our attention to detail ensures safety and reliability.

VDI Certified hygienic design

The design of Topvex air handling units ensures easy access for inspection, maintenance and cleaning of all exposed surfaces through the large inspection doors. Main components are also easily removable for cleaning and servicing.

The units offer safe, reliable performance as they are certified according to VDI 6022-1, which meets the market's most stringent hygiene requirements. This also means that the product undergoes regular audits.

Casing performance EN1886	Topvex new generation	Benefits
Thermal Bridging	TB2	Good resistance to condensation.
Thermal Transmittance	T2	Reduced energy consumption in summer and winter.
Leakage	L2	Leakage class with superior seal design.
Deflection	D2	Stability and leak resistance with rigid, deflection class D2 casing assembly and hinges.

T2 Example:

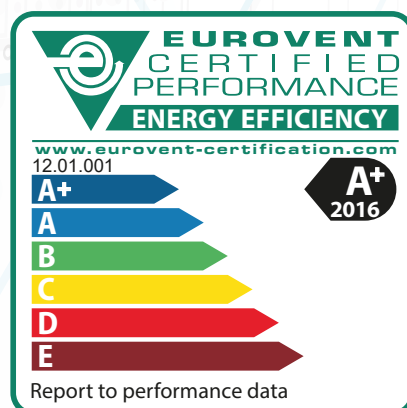
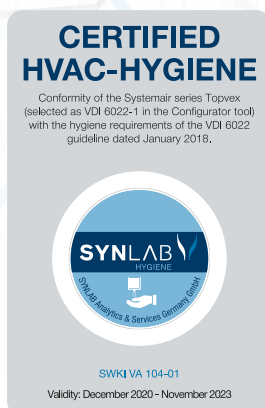
Typical impact on a 19 m² casing with average outdoor temperature of 6°C. Improving Thermal Class from T3 -> T2 = Saving 500 kWh/year.

Higher energy efficiency

Increasing energy efficiency in our products is at the top of our list of priorities. We have made innovations within our Topvex units to meet growing market demands in relation to Specific Fan Power (SFP) values. These have been achieved without compromising performance, offering the same air volume and minimal footprint.

Energy efficiency through:

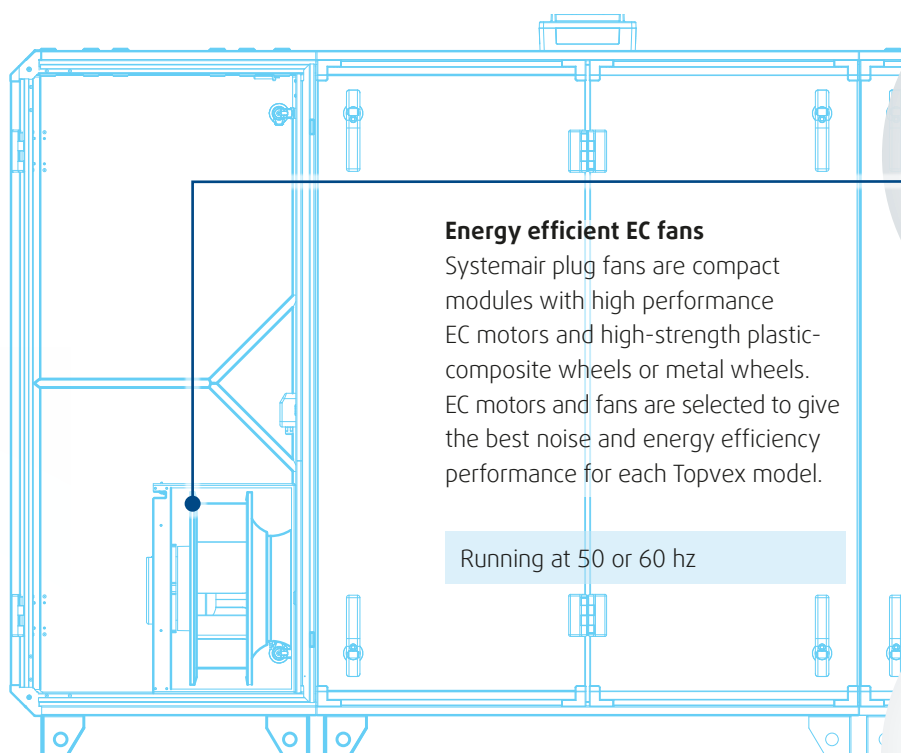
- Heat exchangers with low pressure drop and high heat recovery
- EC fans with high efficiency and low SFP values
- Casing EN1886



Certificates

- Machinery Directive 2006/42/EC
- Ecodesign Directive 1253/2014
- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU

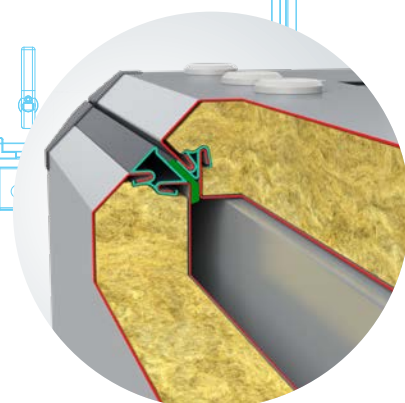
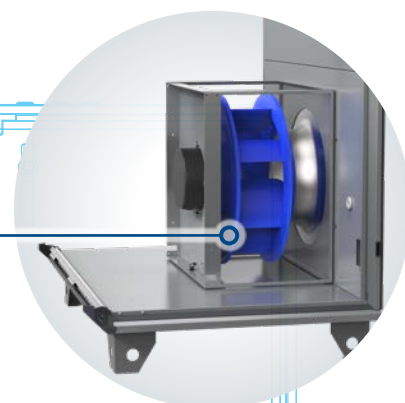




Energy efficient EC fans

Systemair plug fans are compact modules with high performance EC motors and high-strength plastic-composite wheels or metal wheels. EC motors and fans are selected to give the best noise and energy efficiency performance for each Topvex model.

Running at 50 or 60 hz



High-performance casing

Our panels are made from 50 mm insulation and have natural-finish colour magnesium-zinc (MgZn) plate with a corrosion class corresponding to C5 according BS EN ISO 12944-2 and BS EN ISO 9223.

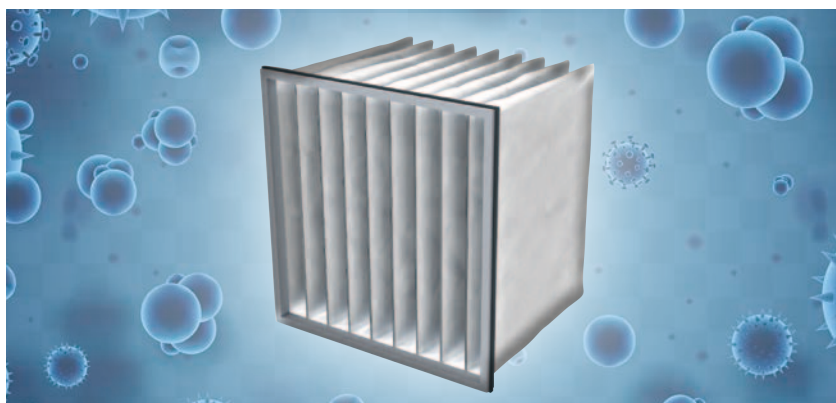
The joint panel and plastic profiles, combined with latch, hinge, insulation and seal concepts, result in a high-performance unit.

Standard bag-type filter

Bag-type filters are standard, with ePM1 60% (F7) classification for supply filters and ePM10 60% (M5) classification for extraction filters. The built-in filter monitoring system constantly measures pressure drop of the filter to verify condition. Filter change due to clogging is indicated in time to ensure best filter performance, lifetime and cost efficiency.

Optional Deltri+ virucidal air filters

Virucidal air filters with efficiency Epm1 90%, capable of neutralising or destroying viruses – including SARS-CoV-2, as tested by the Luxembourg Institute of Science and Technology (LIST) and an independent laboratory. Proven efficiency with Eurovent Certified Performance A+ energy class rating.



SR-TR

The rotary range

Compact dimensions and energy efficient.

The Topvex range, featuring rotary heat exchangers with capacity well over 80%, ensures high efficiency while occupying minimum floorspace. The range offers you a wide range of options for configuring your air handling system.

Sizes 20, 25 and 35 are all single case units, sizes 60, 70, 80 and 100* are split units. All units and sections can fit through a 900 mm opening except for the biggest Topvex unit, SR 100.

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- Top-connected models, 6 sizes
- Side-connected models, 7 sizes
- Indoor and outdoor application*
- Airflow range: 360 up to more than 9,500 m³/h**
- VDI 6022-1 certified meeting hygienic requirements
- High-end casing with C5 corrosion resistance according to ISO 1294
- Built-in Access Control system
- Constant air volume control (CAV) is standard
- Variable air volume control (VAV) is available as an accessory
- Wide range of accessories available including connectors, such as flanges, extension cables, cooling coils or extra filtration

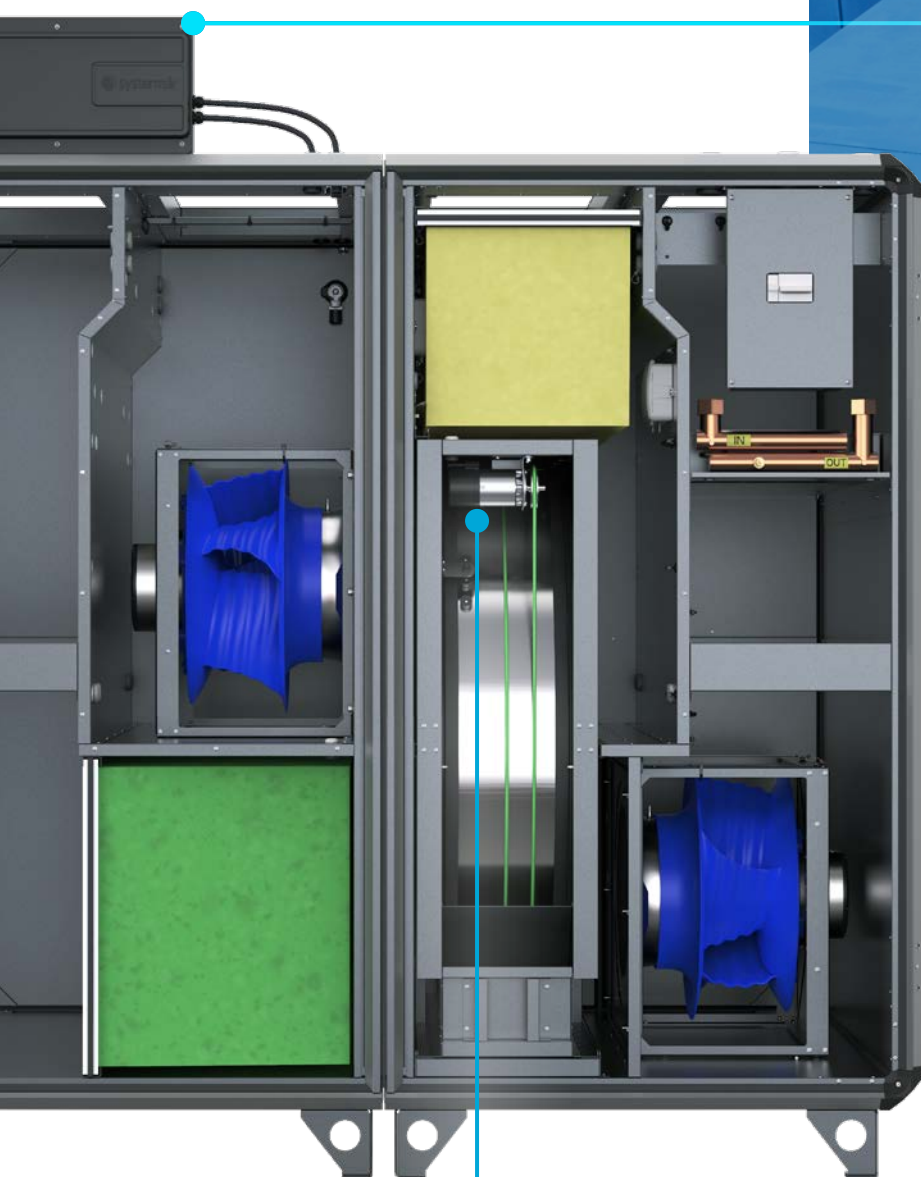
* only available for side-connected model

** (0 Pa external pressure)

Rotary heat exchanger

High performance, heat recovery capacity well over 80% (dry, EN308)

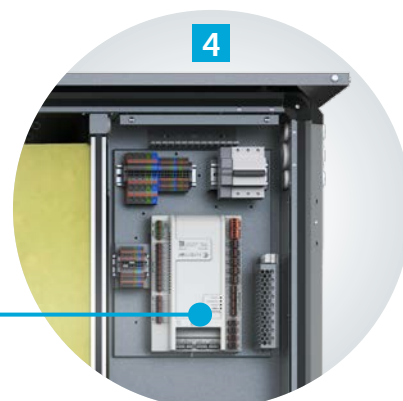
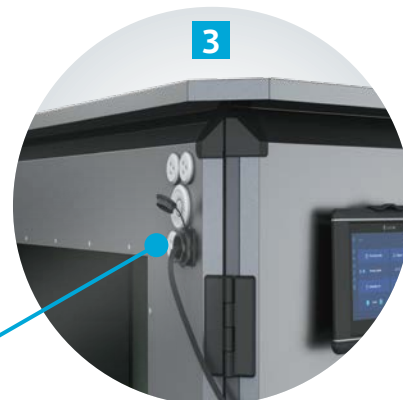




External Control Cabinet

Gives easy access to connections and makes installation and start-up even faster.

The Control Cabinet can be mounted on the air handling unit with the supplied brackets. It can also be mounted on a wall, using an optional extension kit and choosing a 3, 5 or 12 m cable (should be selected in the Systemair Configurator or Webshop).



1 Rotor motor

The rotor motor incorporates EC technology for more efficient heat recovery.

2 Purge sector

Incorporated purge sector on heat exchanger. Its function is to minimize the leakage of polluted extract air into the clean supply air, ensuring good indoor air quality.

Topvex units for outdoor application:

- | | |
|---|---|
| 3 • Roof
• Easy connection (RJ45) for NaviPad Control panel | 4 • Access Control Unit placed inside the unit
• Other accessories: louvres, protective hoods |
|---|---|

SC-TC

The counterflow range

Flexible design and convenient functions.

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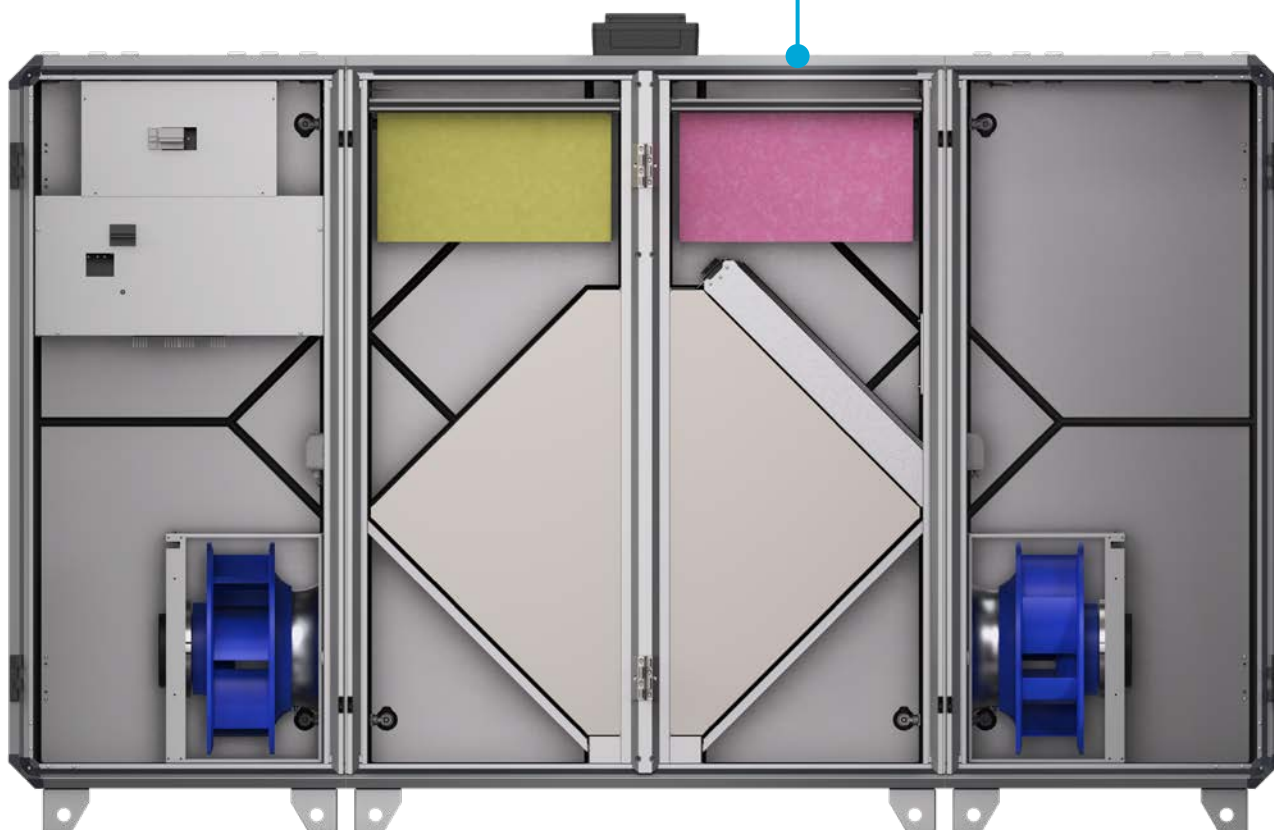
The Topvex counterflow range comes in a variety of standard configurations. The unit can be combined with heaters, silencers, dampers, sectional defrosting and more accessories.

Sizes 20, 25, and 35 are all single case units, and can pass through a 900 mm opening. Sizes 60 and 70 are split units that can be divided into three sections where the heat exchanger section can be disassembled and reassembled as needed.

Floor-standing units come in two versions to ensure the best footprint alternatives.

- Top-connected models, 5 sizes
- Side-connected models, 5 sizes
- Indoor application
- Airflow range: 360 up to more than 6,800 m³/h*
- VDI 6022-1 certified, meeting hygienic requirements
- High-end casing with C5 corrosion resistance according to ISO 1294
- Built-in Access Control system
- Constant air volume control (CAV) is standard
- Variable air volume control (VAV) is available as an accessory

* (0 Pa external pressure)





1 Heat exchanger and defrosting functions

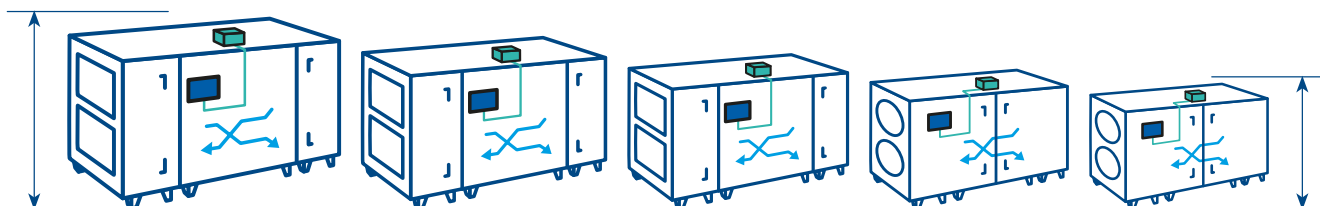
Our top-quality, aluminium heat exchangers are 100% tested for air tightness. They are all designed with a full-flow bypass function. Choose between bypass defrosting or sectional defrosting.


2 Optimised dampers

Internal dampers used for heat exchanger bypass and sectional defrosting are an important detail. We aim to offer optimum function as well as a high seal class. Developing and testing our own damper design ensures we have the best know-how and cutting-edge experience.

Heater options

All our units offer a variety of standard electrical or water heater options. Our goal is to meet the requirements of any comfort zone. Choose from high/low coil or electrical power.



A man with short brown hair and a light beard, wearing a light blue button-down shirt and a dark belt with a metallic buckle, is looking down at a black tablet he is holding with both hands. He is standing in a modern office with large windows in the background. The office has several desks with computers and black office chairs. A teal semi-transparent box is overlaid on the right side of the image, containing text.

Access benefits:

- Great user experience with intuitive menu navigation and configuration wizard
- External Access Control Cabinet with easy access to external connections
- Integrated support for BMS/SCADA using Modbus and BACnet communication
- Prepared for easy connection to Systemair Connect Cloud solution

Systemair Access Control system

Simplifies connection, configuration and control.

CONTROL



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Our user-friendly Access Control System is the common platform for all Topvex models. It features ModBus communication to all internal components which significantly simplifies the cabling and wiring inside the unit. The Access Control Cabinet, used for indoor applications, can be placed on the outside of the unit or away from the unit using an extension kit. This allows easy access for service, maintenance and connection of external accessories. For outdoor applications, the Access Control Unit is built-in inside the unit.

User-friendly navigation

Intuitive, easy-to-navigate menus can be used on a variety of devices including NaviPad, control panels, smartphones or computers. Access to information can be set to three different user levels, depending on roles.

Connectors for external components

All connectors for external components on the control unit are clearly marked and grouped together to reduce installation and startup time.

Bus-based field devices

There are internal and external communication links for ModBus-based field devices. Wiring to all connected devices is simplified. All needed data and diagnostics are available in real time.

Dedicated BMS connection

Provides simplified connection setup to BMS/SCADA using Modbus and BACnet communication.

Designed by Systemair

Designed specifically for easy, quick and compact installation of Systemair air handling units.

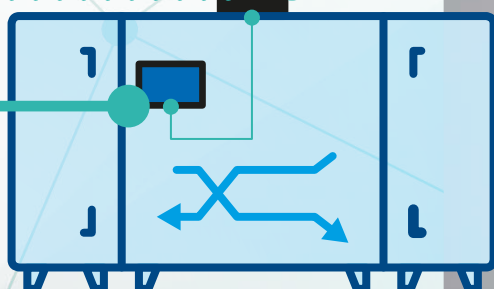
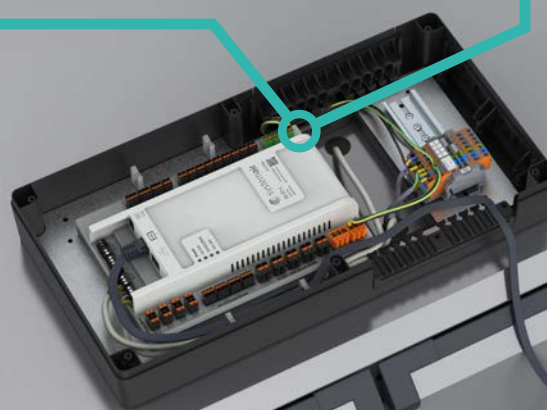
Systemair Connect

Gather all your air handling units in an easy-to-use cloud service for complete overview and accessibility.

SYSTEMAIR
Access



CLOUD
Systemair Connect



CONTROL



#topvex

Systemair Access NaviPad

Ergonomic and robust control panel,
developed for industrial environments.

You are in control

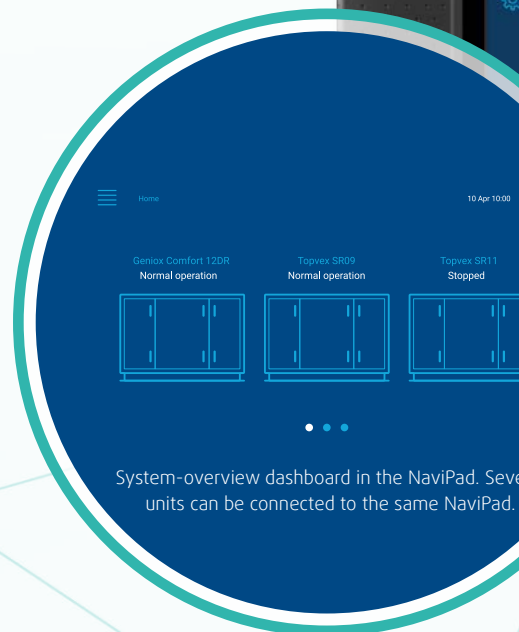
You will quickly grow comfortable with NaviPad's graphical user interface. You can monitor and control your air handling unit by navigating the intuitive, logical menu structure via icons on your touchscreen. Thanks to NaviPad's user-friendly interface, it is now easier than ever to manage Systemair air handling units.

Feel like a pro!

Having the NaviPad means you do not need to be an expert to get the most out of your air handling unit. We have made functions and features easy to see, allowing you to make optimal use of your air handling unit.

Make people feel good

Using your air handling unit more effectively will help you reduce energy consumption and save money, but at the end of the day, air handling is all about people and their well-being. Systemair Access with NaviPad will help you optimise the air handling unit performance so that people can enjoy a great indoor climate.



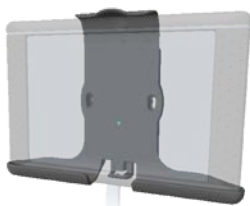
System-overview dashboard in the NaviPad. Several units can be connected to the same NaviPad.

SYSTEMAIR
Access

Detachable

Access NaviPad* is a robust control panel, designed and built for industrial use. It can be mounted on the air handling unit or on a convenient wall and is easy to detach for handheld use.

*The NaviPad is connected via 3 m flat cable



ErP
2021

IPS display

IPS-based touch display with high contrast, supports wide viewing angles and clear visibility, even in challenging lighting conditions.

Easy to configure

An easy-to-use **configuration wizard** enables fast and simplified configuration of common AHU accessories and functions.

Energy insight at a glance

With the **energy insight** function, it's easier than ever to monitor energy usage for fans (SFP value) and water heaters as well as recovered energy for heat exchangers.

Stay in full control

Access NaviPad puts you in control of your air handling unit at all times. If an error occurs, you will immediately be notified by an alarm. Tap on the alarm icon to see the list of active alarms and alarm history.

Easy to use

We were inspired by today's consumer devices when developing NaviPad's user interface. Just tap on an icon on your touchscreen to activate a function, change a setting or adjust a value. Thanks to the intuitive user interface of the NaviPad, you will quickly learn how to control your unit.

Useful live data

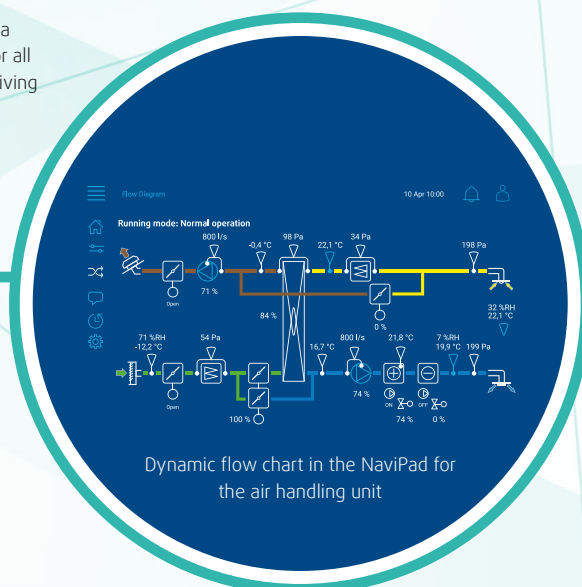
It is easy to remotely monitor and adjust your air handling unit's performance. Relevant operating data and flow charts are easily available in real time and can be changed with a few taps.

Dropped it? No problem.

Access NaviPad is developed specifically for industrial use – simple to use, with a robust, durable design. Drop-tested and IP54 classified, your NaviPad is suitable for most heavy-duty installations. A frame made of high-friction rubber keeps it firmly in your grip while you manage your air handling unit.

See all functions at once

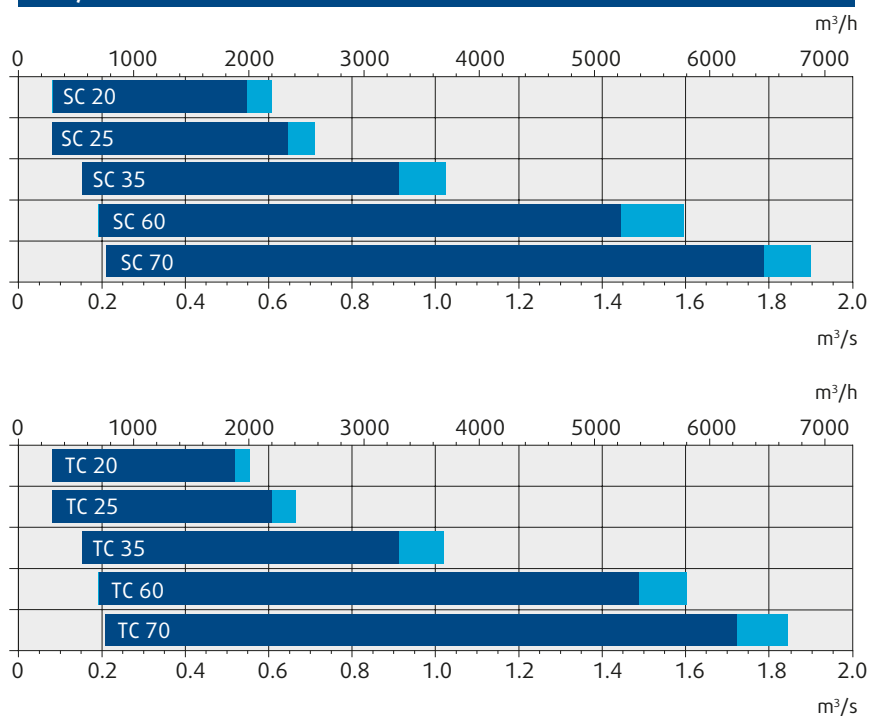
Press the Home button to view the system-overview dashboard. An LED light indicates current status. This provides access to a system overview dashboard for all connected air handling units, giving the operator control of several units via a single NaviPad.



OVERVIEW

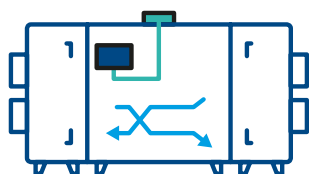
Technical data

Min./max. airflow



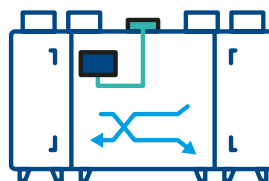
● Air flow at 200 Pa external pressure drop

● Air flow at 0 Pa external pressure drop



Topvex SC - Side connected

Side connected series with counterflow heat exchanger for indoor installation.



Topvex TC - Top connected

Top connected series with counterflow heat exchanger for indoor installation.

Overall product measurements*

Side connection	Duct size	Width [mm]	Height [mm]**	Depth [mm]	Divisible [mm]	Depth [mm]***
SC 20	Ø 315	2002	1318	763		679
SC 25	Ø 400	2002	1318	879		795
SC 35	500x400	2540	1695	879		795
SC 60	700x400	2742	1696	1083	728+1286+728	
SC 70	800x400	2742	1696	1427	728+1286+728	

Overall product measurements*

Top connection	Duct size	Width [mm]	Height [mm]**	Depth [mm]	Divisible [mm]	Depth [mm]***
TC 20	Ø 315	2002	1319	764		680
TC 25	500x250	2002	1319	876		792
TC 35	500x400	2540	1695	879		795
TC 60	700x400	2742	1697	1083	728+1286+728	
TC 70	800x400	2742	1697	1427	728+1286+728	

* Measure does not include handles

** Access Control Cabinet is not included

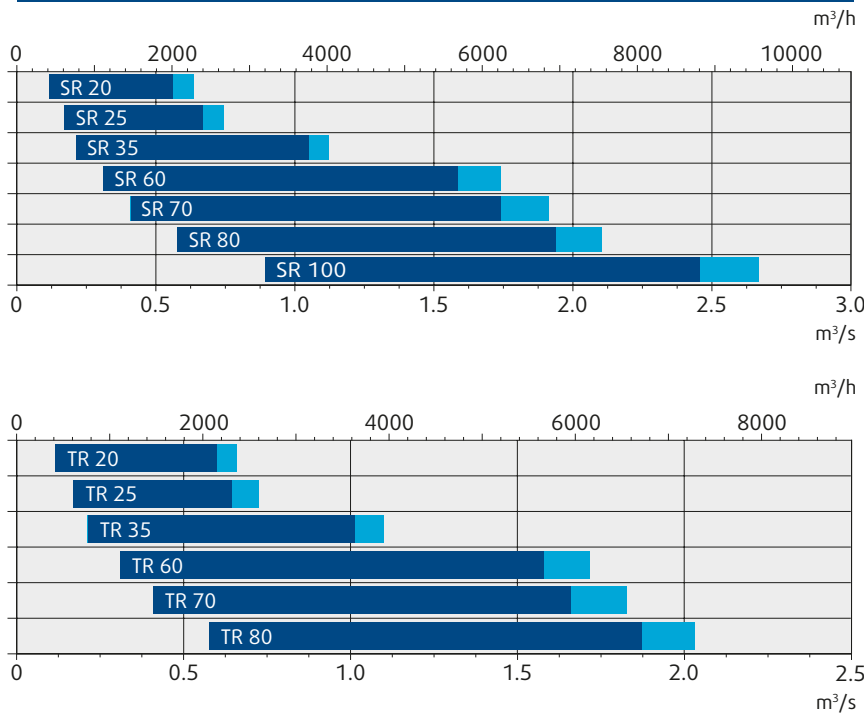
*** Without back panels and doors

Access Control Cabinet	Width [mm]	Height [mm]	Depth [mm]
Control Cabinet	450	92.5	230
Navipad	221	153	40.3



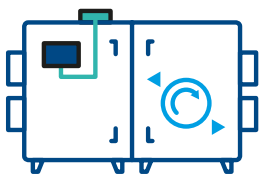
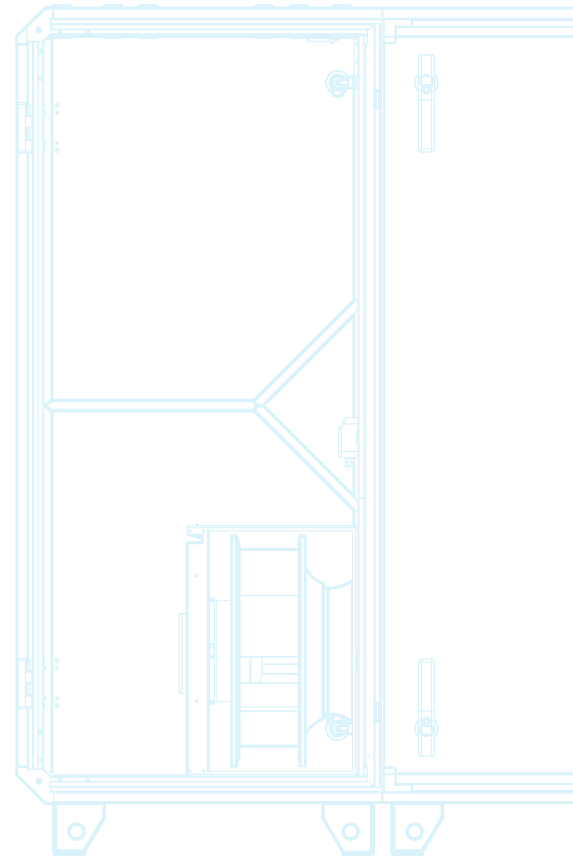
Unique scannable code in each unit that gives users access to technical documentation and the spare parts list. This relates to operation and maintenance instructions, declaration documents, wiring diagram, etc. By scanning the scannable code, you can digitally download the documentation for the unit.

Min./max. airflow



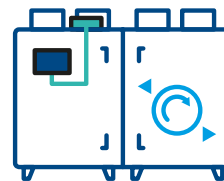
● Air flow at 200 Pa external pressure drop

● Air flow at 0 Pa external pressure drop



Topvex SR - Side connected

Side connected series with rotating heat exchangers for indoor/outdoor installation.



Topvex TR - Top connected

Top connected series with rotating heat exchangers for indoor installation.

Overall product measurements*

Side connection	Duct size	Width [mm]	Height [mm]**	Depth [mm]	Divisible [mm]	Depth [mm]***
SR 20	Ø 315	1384	1080	764		680
SR 25	Ø 400	1482	1180	879		795
SR 35	500x400	1604	1293	972		888
SR 60	700x400	1786	1448	1152	893+893	
SR 70	800x400	1786	1597	1312	893+893	
SR 80	1000 x 500	1786	1798	1513	893+893	
SR 100	1200 x 500	2008	2057	1747	1004+1004	

Overall product measurements*

Top connection	Duct size	Width [mm]	Height [mm]**	Depth [mm]	Divisible [mm]	Depth [mm]***
TR 20	400 x 200	1284	1320	764		680
TR 25	500 x 250	1484	1320	879		795
TR 35	500 x 250	1604	1500	972		888
TR 60	700 x 300	1786	1697	1152	893+893	
TR 70	900 x 300	1786	1858	1312	893+893	
TR 80	1100 x 300	1786	2097	1513	893+893	

* Measure does not include handles

** Access Control Cabinet is not included

*** Without back panels and doors

