

AIR TREATMENT

eCO TOP

eCO TOP®

> A RANGE OF COMPACT ENERGY RECOVERY UNITS WITH TOP CONNECTED DUCTS



Energy efficiency – the essence of our solutions

All our research, development and testing activities are singularly focused to provide our customers with the best and most efficient solutions possible to their ventilation and indoor climate challenges.

From new and innovative concepts, smart material choices and manufacturing processes to advanced controls, minimised running cost and easy maintenance, FläktGroup always strive to deliver the best for your long-term economy and our environment.



< 35 dB(A)
3 m from
the unit

During the development of eCO Top a key focus has been to allow flexible placement of the unit. Two of the aspects that make it possible to install eCO Top in public spaces is the sleek exterior design, with optional cover plates, and the fact that we have achieved very low sound levels.

eCO TOP[®] – A SLEEK AND FLEXIBLE DESIGN WITH LOW RUNNING COSTS

In modern buildings the ventilation is managed by air handling units (AHU's). They offer fresh air at a comfortable temperature, while keeping energy costs for heating and cooling at a minimum through best possible energy recovery.

The eCO Top series features top connected ducts and is available in three sizes for air flows up to 2800 m³/h. Together with other top connected models in the eQ range, FläktGroup offers a complete family of top connected AHU's that cover the full air flow range up to 4600 m³/h.

eCO Top has been designed to suit installations in light commercial buildings like offices, schools and restaurants. With such installations in mind our engineers have focused on three main criteria during development of the product – to make the unit flexible for installations and retrofits in public rooms and tight spaces; to make commissioning as easy as possible for the installers; and to lower running energy costs in the property through optimised energy efficiency.

KEY BENEFITS

- Top connected ducts, pipes and cables
- Three eCO Top sizes for air flows up to 2800 m³/h.
- Full air flow range up to 4600 m³/h is covered together with top connected models in the eQ range
- Rotary heat exchanger with up to 85% energy recovery
- State of the art energy performance, fulfilling Eco Design
- For use in light commercial buildings like offices, schools and restaurants



THE DETAILS OF A TOP PERFORMER

FLEXIBLE LOCATION

Top connections give eCO Top a small footprint which ensures optimum use of the floor space. Thanks to a white-painted exterior and low noise levels the unit can be placed in a variety of public and semi-public locations. In addition the air handling unit is compliant to VDI 6022.

VDI
6022

ENERGY EFFICIENCY

The design of the unit and component choice are focused on minimising the energy consumption and saving operating costs during the full life cycle.

EASY TO INSTALL AND COMMISSION

Easy access to the connections and setup of all parameters via Curo Touch, through a specifically developed commissioning wizard, means that eCO Top is simple to install, which saves both time and money.



The user friendly Curo Touch control unit with commissioning wizard saves time and money at installation. Connection to Modbus or integrated web server.



Flexibility is great with eCO Top. It can be delivered with water coil, electrical heater or without.



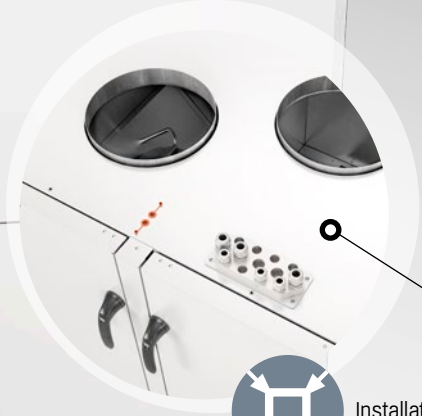
50 mm casing with mineral wool insulation minimises noise.

For even lower levels, optional integrated silencers are available.





eCO TOP FläktGroup



Installation of all ducts, pipes and cables are easily performed from the top for easy access and a minimised footprint. Thanks to the compact dimensions eCO Top fits through a 900 mm opening.



To ensure the best possible energy efficiency, eCO Top comes equipped with plenum fans with EC-motors and bag filters, for low pressure drop.

Controller is pre-configured at delivery. Options for CO₂, flow- or pressure control.

The external design, with a white painted finish, is well suited for installation in public areas. Optional top and bottom cover plates for hiding of ducts are also available.

All service points are easily accessed through the two wide front doors.

Regoterm rotary heat exchanger with 270 mm length for best ratio between heat recovery and pressure drop. Options for 80% or 85% heat recovery.



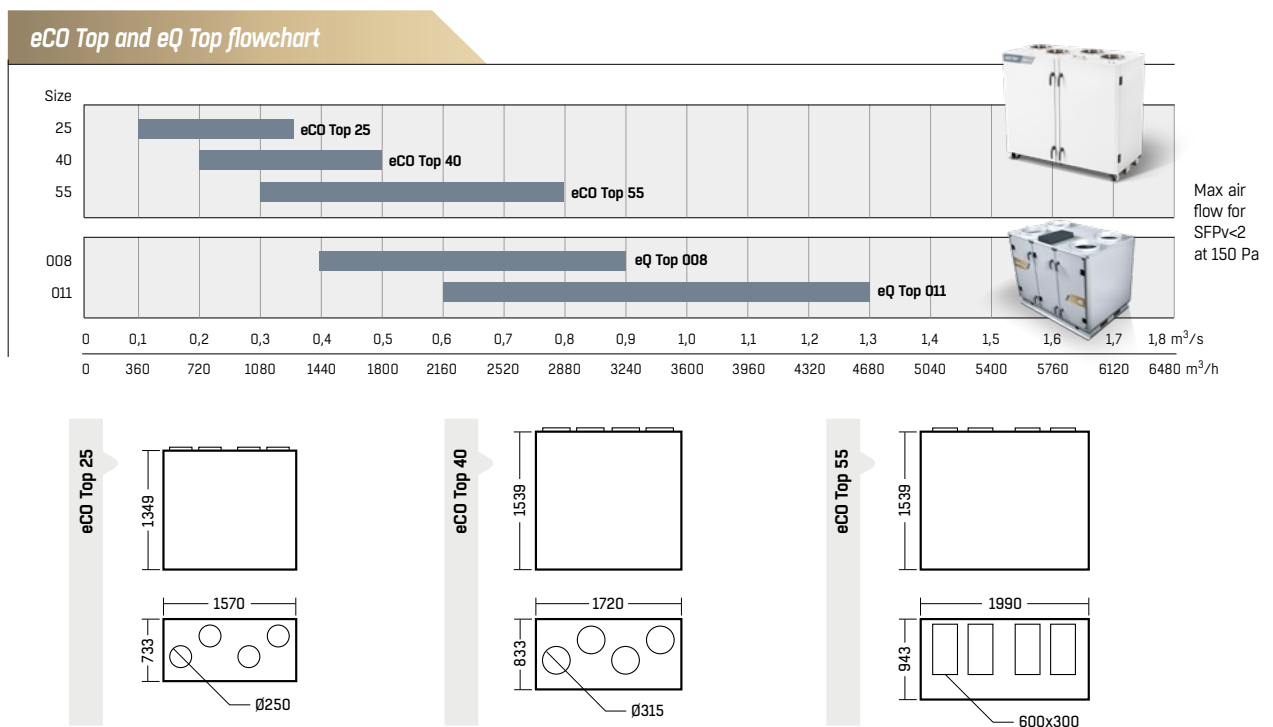
Choose the right eCO TOP® quick and easy with Acon

ACON® is a powerful and easy product selection tool for air handling units. It is the best and most advanced of its kind on the web. It offers rapid product selection to specific project requirements and provides you with all the technical information. Functionality includes product dimensions, performance, noise and efficiency data, Life Cycle Cost, product documentation, including custom specification texts, and export of dxf and dwg files.

flaktgroup.com

A top connected range covering 360 to 4680 m³/h

In addition to the eCO Top, for top connected application we also offer eQ Top, which is a part of the eQ family. Together they cover air flows of 360 – 4680 m³/h and are suitable for a wide range of applications.





The benefits of eCO TOP[®] – from design to installed unit



END USER/BUILDING OWNER

- **Compact:** Top connection of all ducts, pipes and cables minimises the footprint
- **External design:** White painted finish for location in public areas; cover plates for hiding of ducts
- **Low sound:** 50 mm casing with mineral wool insulation minimise noise; optional integrated silencers
- Several features save energy and operating costs: EC-motors, bag filters, high efficiency heat exchanger
- Complete controls package for optimized energy performance and comfort



CONSULTANT

- High heat recovery and low SFPv make it easy to fulfill regulations
- Customized performance values easily calculated in ACON
- Eco Design compliant
- Compliant to VDI 6022



CONTRACTOR

- Easy installation with top connections and wide front doors
- Passes through a 900 mm opening
- Controller pre-configured at delivery
- Commissioning via touch screen interface CUR0, commissioning wizard for adjustment of operating parameters

EXCELLENCE IN SOLUTIONS

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eCO TOP 9954GB

FläktGroup is the European market leader for smart and energy efficient Indoor Air and Critical Air solutions to support every application area. We offer our customers innovative technologies, high quality and outstanding performance supported by more than a century of accumulated industry experience. The widest product range in the market, and strong market presence in 65 countries worldwide, guarantee that we are always by your side, ready to deliver Excellence in Solutions.

PRODUCT FUNCTIONS BY FLÄKTGROUP

Air Treatment | Air Movement | Air Diffusion
Air Distribution | Air Filtration | Air Management & ATD's
Air Conditioning & Heating | Controls | Service



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