

eCO PREMIUM™ by FLÄKTGROUP – THE ENERGY RECOVERY UNIT PROOF THAT GREAT THINGS COME IN SMALL PACKAGES



OUR NEW eCO PREMIUM™ IS COMPACT, BUT PACKED FULL OF FEATURES. When investing in a new ventilation unit with heat recovery today, you could – and should – go for the highest standards. Clean, fresh air. High efficiency and low noise. Elaborate electronic control. Minimised maintenance. And, most importantly, extremely high energy performance.

We have managed to pack all these features in a compact casing, so our new eCO PREMIUM™ has a size that will fit even the tightest spaces – perfect for false ceiling installations – and economical, with a solution to fit all budgets.

4 GREAT THINGS

- Energy efficient components and over 85% heat recovery rate (EN308)
- Extremely low noise, less than 24 dBA
- Compact L2-classed casing as standard, with all connections on the sides
- eCO PREMIUM is a perfect solution for relatively small spaces, for instance classrooms and other school applications

EXCELLENCE IN SOLUTIONS

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

» Learn more on www.flaktgroup.com
or contact one of our offices



eCO PREMIUM™

» COMPACT ENERGY RECOVERY UNIT WITH ENHANCED COMFORT,
VERSATILE CONTROLS AND CLASS LEADING ENERGY SAVINGS

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.



Regardless of what you're looking for, eCO PREMIUM™ is the right solution

eCO PREMIUM™ is built not only of top class components, but also on 100 years of ventilation expertise. Through our history we have been asked to deliver air into a wide range of applications, from hotels, industrial facilities, large offices, hospital and educational buildings. We have used all this collective experience and our best engineers to develop the eCO PREMIUM™.

The eCO PREMIUM™ energy recovery unit is designed to provide perfect comfort and the highest energy efficiency to a wide range of applications. It fits equally well to the demands in for instance a classroom, a gym, offices, shops, hotels or apartments. To fit different demands it is available in 6 different sizes or air flow capacities, from 0,2–0,9 m³/s. You can choose to equip the eCO PREMIUM™ with post heater with hot water or electric and you can choose electric pre-heater to suit your need even better.

» Read more about eCO PREMIUM™ at flaktgroup.com



eCO PREMIUM™ by FläktGroup – available in 3 different versions

eCO PREMIUM™ is available in three version, where the efficient heat recovery unit is common to all models. It can also be ordered with

post heater (water or electric) or with post and pre-heater for temperatures between -5 and -15 C°. All models are equipped with

CURO™ Touch control, fully automatic Thermo Ice™ defrosting and can also be used for cooling with external coils.*

Essential	Enhanced	Elite							
Integrated Control	Heat Recovery	Free Cooling	Cooling Coil*	Temperature Control	Thermo Ice™ Anti-frost	Post Heater	Pre Heater		

* optional equipment



eCO PREMIUM™ outdoor unit fitted with weather cowl and roof



eCO PREMIUM™ indoor unit fitted with weather cowl and roof

BEHIND THE SCENES OF A STUNNING PERFORMANCE

Every detail has been carefully considered in the design and construction of our eCO PREMIUM™ in order to achieve its overall performance. Using the finest components and a meticulous design process contribute to it's class leading features. We looked at the whole system and refined how all components interact together. Finally, energy efficiency, versatility, controllability, air quality and high comfort levels were all important considerations in the design process.



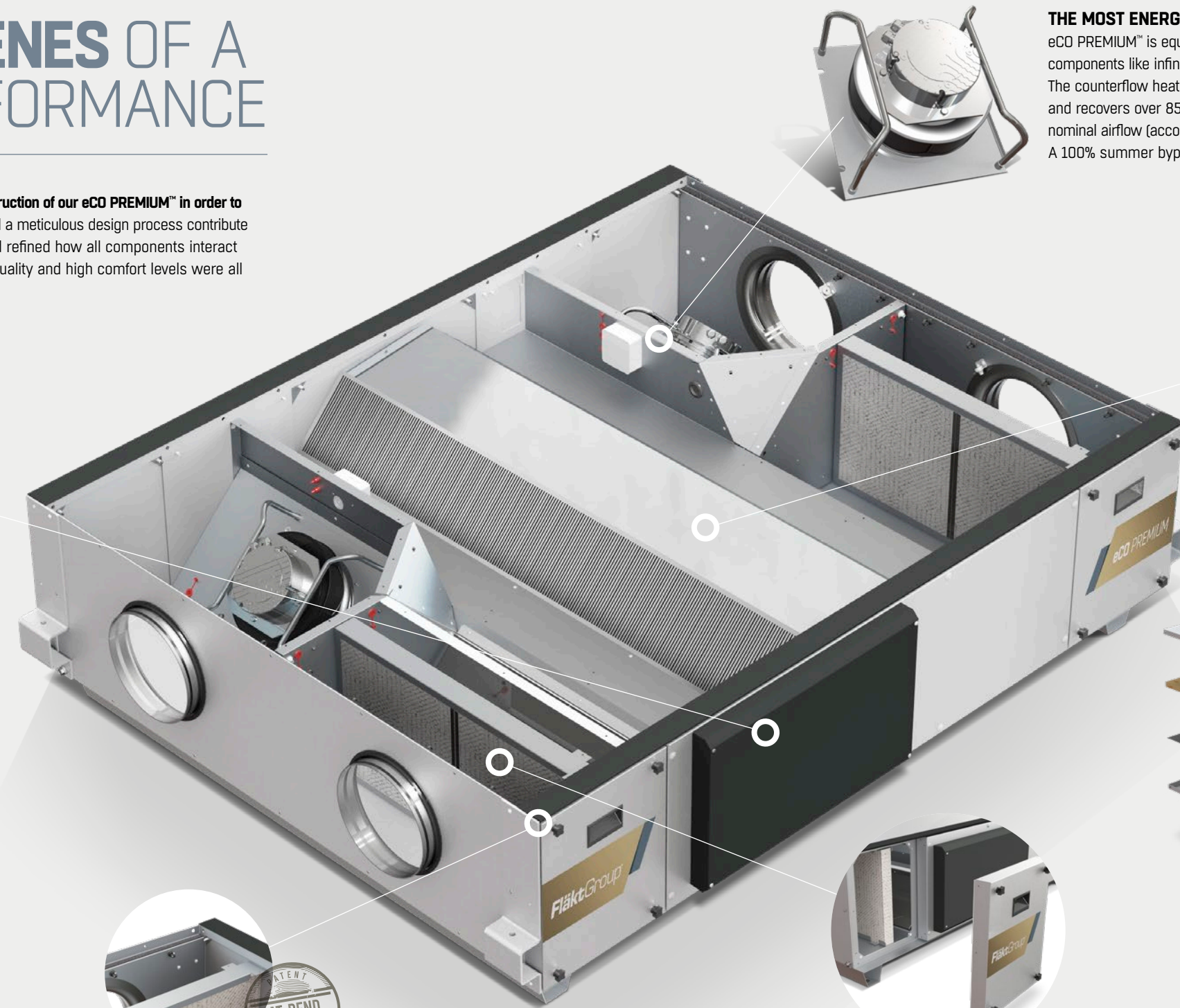
TOTAL CONTROL ON COMFORT AND ENERGY

The integrated FläktGroup CURIO™ control is the starting point of controlling the performance of eCO PREMIUM™. All the advanced features are easily available in the self-explanatory and user friendly CURIO™ Touch control panel. In larger installations it can also be remote managed via the inbuilt Modbus/RS485 communication interface (or TCP/IP as an option). Optional fully automatic control can further enhance comfort and energy efficiency through Demand Controlled Ventilation.

- User friendly touch screen
- Calendar
- Fan control and alarm
- BMS-compatibility

Demand Controlled Ventilation – for even greater savings

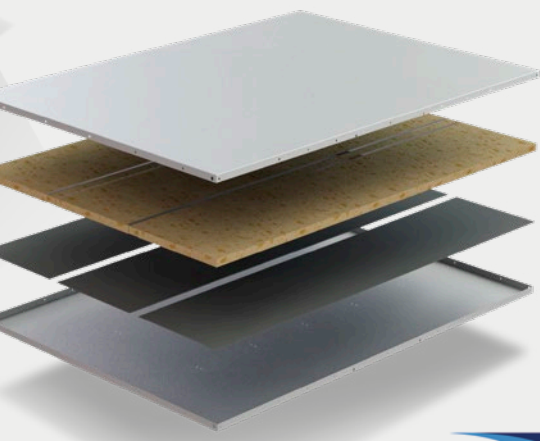
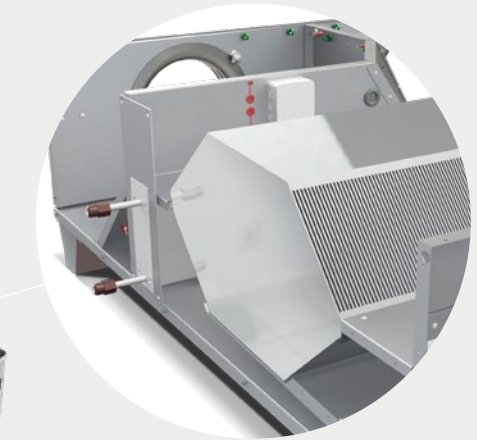
When equipped with sensors eCO PREMIUM™ can automatically adjust to changing demands within the room. A presence detector can switch it on when the room is occupied and off when it's empty. With an internally mounted and wired CO₂ sensor it can adjust the air supply proportionally to the number of people in the room. The best solution for both comfort and energy savings, reducing overall energy consumption.



THE MOST ENERGY EFFICIENT COMPONENTS
eCO PREMIUM™ is equipped with energy efficient components like infinitely adjustable EC-motor fans. The counterflow heat exchanger is Eurovent certified and recovers over 85% of the thermal energy at nominal airflow (according to EN308). A 100% summer bypass is fitted as standard.



ERP 2016 & 2018 COMPLIANT



LOW NOISE (BSRIA TESTED)

All eCO PREMIUM™ units are designed for minimised noise levels, but an even more quiet acoustic model is also available for sizes 1–4. This is an ideal choice for applications where a low noise is a requirement, for instance in schools, recording studios and radio stations.

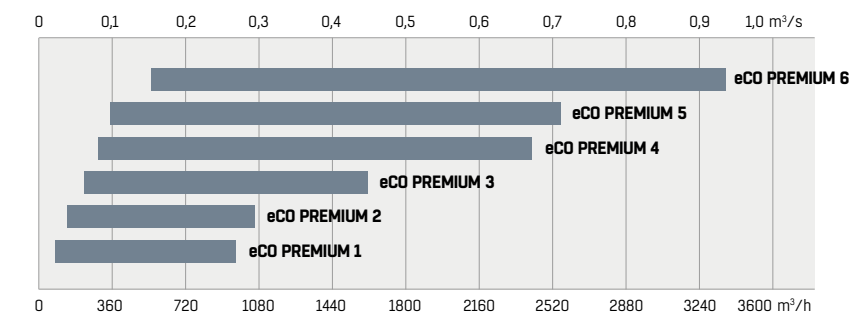
SIMPLE MAINTENANCE

Maintenance is made simple through several design features. All regular service points are gathered on one side. No tools are needed to change the filter. Fans are easily accessible for service and maintenance.

HIGH AIR QUALITY

The eCO PREMIUM™ comes standard with highly efficient filters for both supply and exhaust air streams. Choose between G4/G4- or M5/F7-class delivery options.

Available in 6 sizes



eCO PREMIUM™ is available in 6 sizes providing from 0,2–0,9 m³/s of air flow. A range appropriate for a wide range of applications and building sizes.

Size*	Length (mm)	Width (mm)	Height (mm)	Weight "Standard" (kg)	Weight "Acoustic" (kg)	Spigot Ø (mm)
1	1700	1220	380	198	217	250
2	1700	1220	380	200	219	250
3	1900	1520	425	263	294	250
4	1900	1520	425	269	300	250
5	2000	1720	470	280	-	315
6	2480	1720	685	495	-	500

*Essential models

eCO PREMIUM™ – benefits in brief

<p>PROPERTY OWNERS</p> <ul style="list-style-type: none"> • Lowest energy consumption – saves you money with low running costs • Easy maintenance and dirty filter alarms – saves both maintenance time and costs • Lowest noise – happy users and tenants and less costs • Simple plug and play controls – easy to use and adapt • BMS options – integrates with your building more easily 	<p>CONSULTANTS</p> <ul style="list-style-type: none"> • Lowest energy consumption and sfp – fully compliant • Lowest Noise, independently verified – suitable for all applications with less attenuation • Over 85% efficient recovery – reduces or eliminates reheating • EN308 compliant to 2018 – satisfies current and future legislation • Easy to select and flexible with onboard controls – will cover all applications • BSRIA certified – for peace of mind and confidence 	<p>INSTALLERS</p> <ul style="list-style-type: none"> • Quick and simple to install and maintain – saves time and money • Curio™ control pre-connected – quicker and cheaper installation, saves control costs • Over 85% efficient recovery – reduces or eliminates the cost of reheating • Easy to select and flexible – will cover all applications • Lowest sfp and noise – less attenuation and meets all required legislation • BSRIA certified – for peace of mind and confidence
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QUICK AND EASY SELECTION

Our range of selection tools is amongst the most comprehensive of its kind in the world. They are both powerful and easy to use, to ensure that you can always find the optimum and most energy efficient product for your application.

» Get access to all our selection tools at www.flaktgroup.com

