RECAIR

ETS NORD

Finnish Recair air handling units tailormade for your needs

We serve locally
Recair air handling units are manufactured entirely in Finland, and in recognition thereof, the Key Flag Symbol has been awarded to our products.

Our production plant in Vantaa serves efficiently and flexibly. Our deliveries are shipped from our warehouse to the construction sites in desired batch sizes and deliveries are always scheduled according to the customer's wishes. We are quick to react.

Custom Fit
The versatility of customization is our strength. If necessary, Recair air handling units can be assembled from various components with a wide range of options. This way, the technical performance values can be optimized for the customer's needs.

The level of automation of the machine can be selected as required: without automation, with a switchboard, with a RAU-equipped switchboard or with our own automation.

Recair air handling units are a particularly effective solution for renovation projects where the premises are not dimensioned for the current requirements of ventilation technology. Even the largest Recair air handling units can be hauled along challenging routes to the engine room, where they are assembled and installed on site. Our installers will ensure the functionality of the machine by taking care of the commissioning.

Minimizing lifecycle costs
The excellent efficiency achieved by combining the components is the key to minimizing life cycle costs. Life cycle costs can be estimated accurately in advance with the help of the Recair design software.

Our design software will start you off
The practical design software will help you with selecting the correct machine. The software makes it easy to compare machine options and inspect performance values at different operating points.

Easy installation saves time on site
The Recair fastening method is quick and easy to install. The installers need only a ratchet wrench for attaching the blocks to each other. The seal is also ready at the end of the block, and it does not take time to install it on site.
In addition, the beam platform can be delivered pre-assembled. It is also available in an extended version, allowing the post-machine chamber to be conveniently installed on the same base.

TEHTY SUOMESSA
MADE IN FINLAND

Our process

We strive for efficiency and sustainability in all our processes.

Our manufacturing process generates waste and we make our every effort to recycle all of it. All waste aluminum is recycled. Waste material from the use of galvanized sheet metal is minimized and recycled. Cardboard from package waste is recycled, and wooden pallets are reused if possible. Some packaging platforms are utilized in energy production.

The starting point for **our product development** is the continuous development of the air handling units that are among the best on the market, based on the feedback we have received from our partners and customers. VTT's laboratory for air technology and acoustics, measures the performance of our equipment - for example, tightness, pressure losses of functional parts and sound attenuation.

We are glad to assist with any questions!

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ETS NORD specializes in comprehensive ventilation solutions and operates in Finland, Estonia, Sweden and Denmark. We create sustainable ventilation solutions for the customer, and we design and manufacture high-quality and value-added ventilation products through continuous development with our dedicated team.

Read more about our products and comprehensive ventilation solutions at
https://www.etsnord.com

Examples of ventilation solutions

The extension of Science Center Heureka (2017)

Science Center Heureka is the largest and most popular science center in Finland and the destination for countless excursions in springtime. There are annually more than 400,000 visitors (2019) and the exhibition spaces can accommodate 2,300 people at a time. The two-floor extension work included for example exhibition, laboratory, and office spaces. The science center was operative during the whole extension project.

Heureka was completed in 1989, and the technical space measurements of the building date back to the technology of the time. Energy efficiency requirements have become significantly stricter, and it was challenging to implement the necessary ventilation in the available technical space.
The engine room for ventilation is located on the roof, as the third floor of the extension, where they placed Recair's air handling units with fan walls. Instead of one supply air fan, the fan wall has a complete wall of fans whose electrical power is produced by EC DC motors. The fan solution implemented in this way enables a wider range of air use, and at the same time, meets current energy efficiency requirements. The wall of several supply air fans is also reliable, as temporary malfunctions in one fan can be compensated by parallel fans.

Kuopio Music Centre (2018)

Kuopio Music Centre is one of the most significant concert halls in Finland, the home of three forms of art and a congress hall. The building was completed in 1985 and renovated in 2018, when, among other things, the building's outdated ventilation system was renewed.

In a building like the Kuopio Music Center, which is large in volume and whose use of space varies significantly, the humidity and temperature control needs to be carefully designed. The valuable instruments of the Kuopio City Orchestra and the Kuopio Conservatory, which are stored inside the building, pose their own challenges to the functioning of the ventilation system.

The ventilation system of the Kuopio Music Center was implemented with 23 pieces of Recair air handling units, assembled and installed on site.

The MRI department of the Lohja Hospital (2020)

The ventilation for the MRI department of the Lohja Hospital was carried out with Recair air handling units. The air handling units placed in the premises of the hospital were delivered as a package machine delivery. The package machine is equipped with a control center, and it was modified into a hygiene machine that meets the hospital level requirements.

To meet the hygiene requirements, the intake and exhaust air must not be mixed with each other in the air handling unit. Machines of the hygiene class 2 for hospital use must be very tight and easy to clean. The washing water can be easily drained from the air handling unit which is a version of Recair's package machine. The machine can be dried off after washing and no active water remains in the machine.

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