



GOLD

A flexible range of configurable air handling units with best-in-class controls.



Unmatched expertise - from components to controls

With more than 165,000 GOLD units installed worldwide, we have gained deep knowledge within the key criteria of high-performing air handling units.

All GOLD and SILVER units are developed and manufactured in Kvänum, Sweden, where key components including rotary heat exchangers, the patented fans and our proprietary control system, are designed and produced in-house. This allows us to adapt components to our air handling units and needs, and to continuously optimise performance and operating efficiency.

"Made in Kvänum" reflects not only consistent product quality, but also our long-term commitment to expert support throughout the entire lifecycle, from design to daily operation.



Improved fan efficiency helps save energy

OptiFlow is a set of airflow improvements inside the GOLD unit, that optimises airflow, reducing pressure drops and improving fan efficiency. By redesigning key components that surround the fan wheel, enlarging the rotary heat exchanger and introducing new filters, energy efficiency is significantly improved. This can contribute to lower operating costs and CO₂ emissions throughout the unit's lifetime.



Flexible range without compromise

GOLD offers exceptional flexibility, with multiple heat exchanger options to suit different applications and requirement. Rotors offer high energy recovery while plate and coil heat exchangers provide complete air flow separation. There are also single direction units as well as units with integrated heating and cooling.

Available with top, side or L-connections, makes installation easy to adapt to different building layouts and space constraints.



GOLD offers fully integrated controls, with unrivalled functionality for energy optimisation, reliable operation and system management. Units without integrated controls are named SILVER.

By combining flexible configurations, advanced heat recovery technologies and intelligent controls, GOLD provides an efficient and adaptable solution for virtually any application.

Simple and smooth selection process

Make the right decisions from the very beginning with AHU Design – a web-based product selection software for air handling unit sizing and configuration.

AHU Design simplifies the selection process while enabling advanced energy calculations based on real project data rather than generic assumptions. This allows accurate calculations of energy consumption, operating costs and life-cycle cost (LCC), offering a reliable basis for comparing different units, operating setups, and even new versus existing installations.

Key benefits include:

- Quick and efficient planning
- Better investment decisions and predictable payback
- Easy comparison of alternative solutions
- Clear documentation for tenders and approvals
- Flexible CAD integration for streamlined project workflows



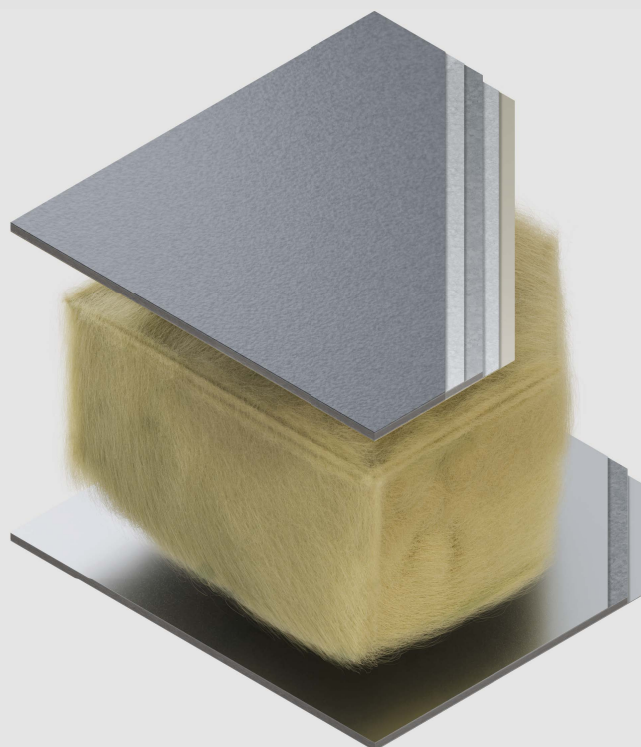
Excellent casing performance

The casing's interior and exterior are made of recycled and renewably produced sheet steel*. Externally galvanised and pre-painted with corrosion-resistant paint. Internally Magnelis®-treated.

The casing's surface treatments meet environmental class C5.

What is Magnelis®?

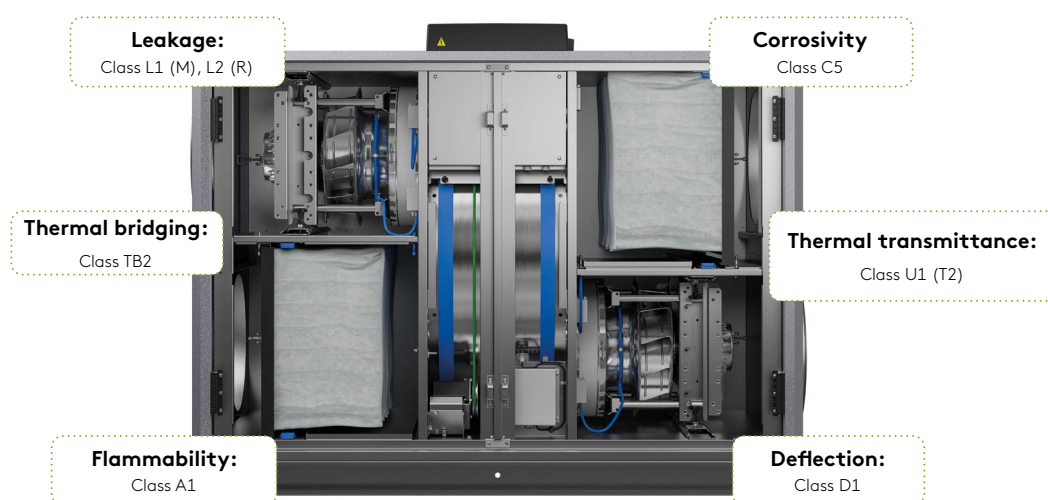
- Magnelis is a metallic coating consisting of zinc with 3.5% aluminium and 3% magnesium.
- It provides excellent corrosion protection in harsh environments (C5).
- Cut edges or scratches self heal with time thanks to the magnesium forming a protective film



* XCarb® recycled and renewably produced refers to steel produced in an electric arc furnace (EAF) using high levels of scrap and 100-percent renewable electricity for the EAF process.

Engineered for durability, energy efficiency and performance

The casing is based on a frameless construction, which significantly reduces thermal bridges and improves overall thermal performance. Panels connect directly to each other without intermediate pillars, minimising leakage points and weak spots. Hinges, handles and fastening systems are specifically designed to break thermal bridges and further optimise energy performance.



With 56 mm thick front and rear cover panels, 52 mm side panels and inspection doors, the unit achieves U1/T2 and TB2 classification. Combined with A1-rated stone wool insulation and C5-qualified surface treatment, this ensures excellent thermal insulation, fire safety and durability even in demanding environments.

Designed with sustainability in mind

GOLD is built to reduce environmental impact throughout its life cycle - from material choice and manufacturing to energy use, refurbishment and digital optimisation. By combining a high degree of recycled content and a circular approach, GOLD can support projects with sustainability-related requirements.

Recycled steel inside and out

As of generation G, all GOLD and SILVER air handling units are manufactured using a majority of recycled steel, produced with renewable energy. This means significantly lower embodied CO2, without compromise.

- Around 30% lower carbon footprint compared to using traditional steel*
- Over 70% of the total steel weight is represented by recycled steel and almost 60% of the total material weight is recycled material*

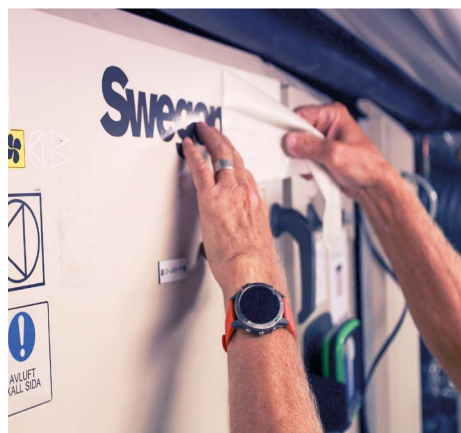
The benefit?

- Supports projects with sustainability-related procurement and building certification protocols such as LEED and BREEAM and provides data relevant for ESG reporting.



* Based on third-party verified EPD data and comparing like-for-like GOLD units with previous version using conventional steel.

New EPDs published for the GOLD/SILVER RX and PX range.



Built to last. Designed for upgrade.

The casing is designed for long-term durability. With regular servicing and indoor installation, it has the technical potential for a lifespan of around 50 years. We offer technology upgrades to maintain functionality, improve energy efficiency and secure spare parts availability.

This is not a vision. Already today, we modernise 30+ year-old units.

Advanced controls made simple

When GOLD was introduced in 1994, it revolutionised the industry as the first air handling unit with integrated controls. With version G, a significant number of functions have been developed, making it easier than ever to monitor and optimise performance. The IQlogic control system, designed specifically for GOLD, seamlessly manages airflow, temperature and smart functions, enabling optimised performance with minimal effort.

Unlock the full potential of GOLD with IQnavigator, a lightweight hand-held terminal with a 7" multitouch screen. Key features include:

- User friendly interface with easy access to settings and smart guides
- All functions are built-in and ready for activation when needed
- Quick and easy commissioning saves time and reduces errors
- Dashboard and flowchart shows real-time status, alarms and performance
- Energy monitoring for better efficiency tracking.
- Seamless connectivity to BMS, secure cloud connection and remote access
- Full cyber security fulfilling the extended Radio Equipment Directive (RED)



Upgraded hand-held terminal, autumn 2026

Improved performance, added features and modernised interface. The new HMI is even more intuitive and designed for everyday use.



Discover some of the 80+ control functions included in GOLD units - ready for activation



Energy efficient buildings start with intelligent ventilation

With GOLD air handling units and Energy360, you combine planning intent, real-time operation, and continuous optimisation into one smart ecosystem. Energy360 supports continuous EPBD compliance and offers a future-proof digital foundation.

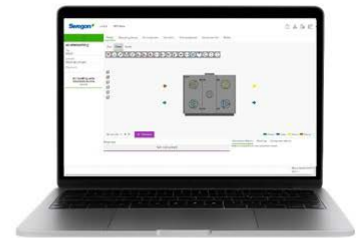
Optimisation

Remote monitoring, comparison and optimisation is possible using different INSIDE services. This allows fine-tuning performance over time without site visits and keeping the unit running at optimal efficiency as building needs change.



Preparation

Make the right decisions from the start. In the selection software AHU Design you can calculate energy consumption, operating costs and life-cycle cost (LCC) based on real project data.



Reporting

Energy reports are easily generated via the INSIDE Portal and can be tailored to individual needs for level of detail and time intervals.



Monitoring

Track live data directly in the hand-held terminal or internal webpage. By connecting the GOLD unit to the cloud, you can get an overview of the system and forward alarms to email via the INSIDE Portal – included free of charge.

Learn how to optimise performance using digital services



Feel good **inside**

