

# GOLD

*Next generation*



Energy efficient, compact  
and flexible air handling units

**Swegon**

# GOLD

## Years of advanced product development...

profitability • comfort • safety • flexibility • ecodesign • intelligence



## Result: NEW COLOUR

Since its introduction in 1994, our GOLD air handling unit has been supplied in a distinctive yellowish-beige nuance. We are now changing our approach and will meet the future in grey! However, under the grey colour the really big news are hidden. A uniquely flexible platform. Our highly efficient counterflow heat exchanger. An integrated heat pump and cooling solution. **Nevertheless, our new colour is stylish.**

# GOLD

## What else is hiding under the surface finish...

### New modular-based platform

Modularity creates new opportunities and increased flexibility to adapt the product to your requirements. The upgraded casing also gives a higher air tightness class and reduces thermal bridges. With a developed outdoor design and new roof, we offer an improved sealed casing design for most climates and weather.

### The best of two worlds

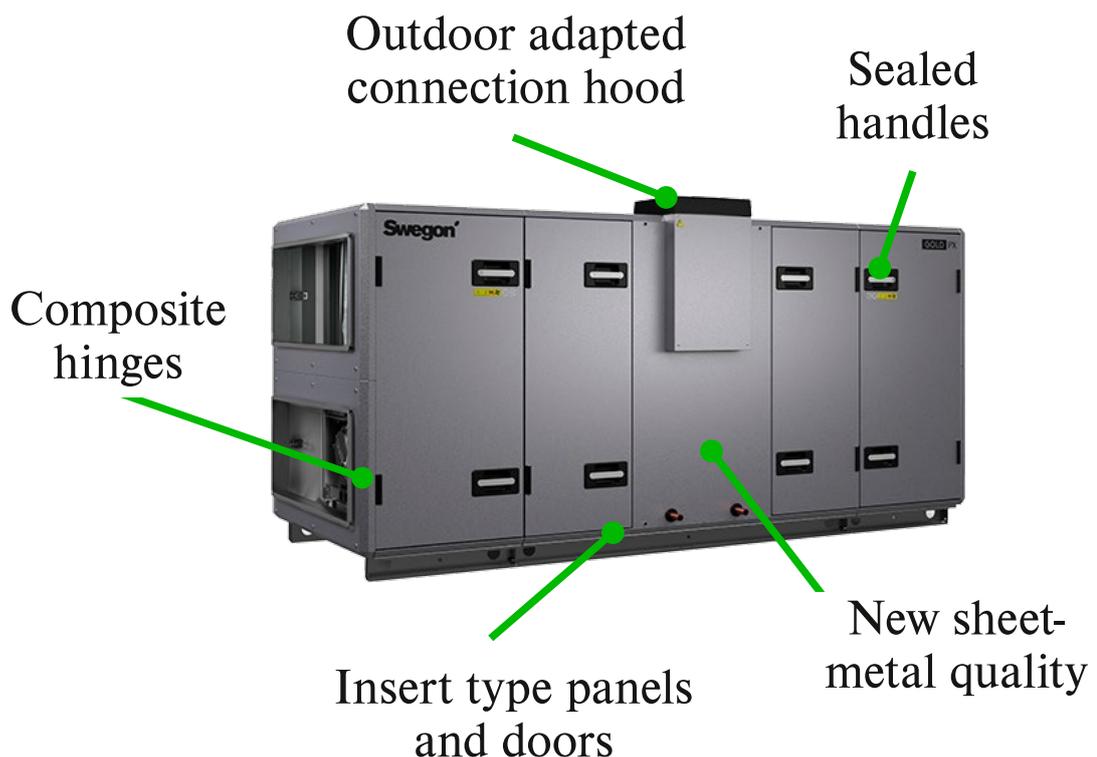
Series produced air handling unit means:

- High quality
- All air handling units are test run
- Integrated full-function control

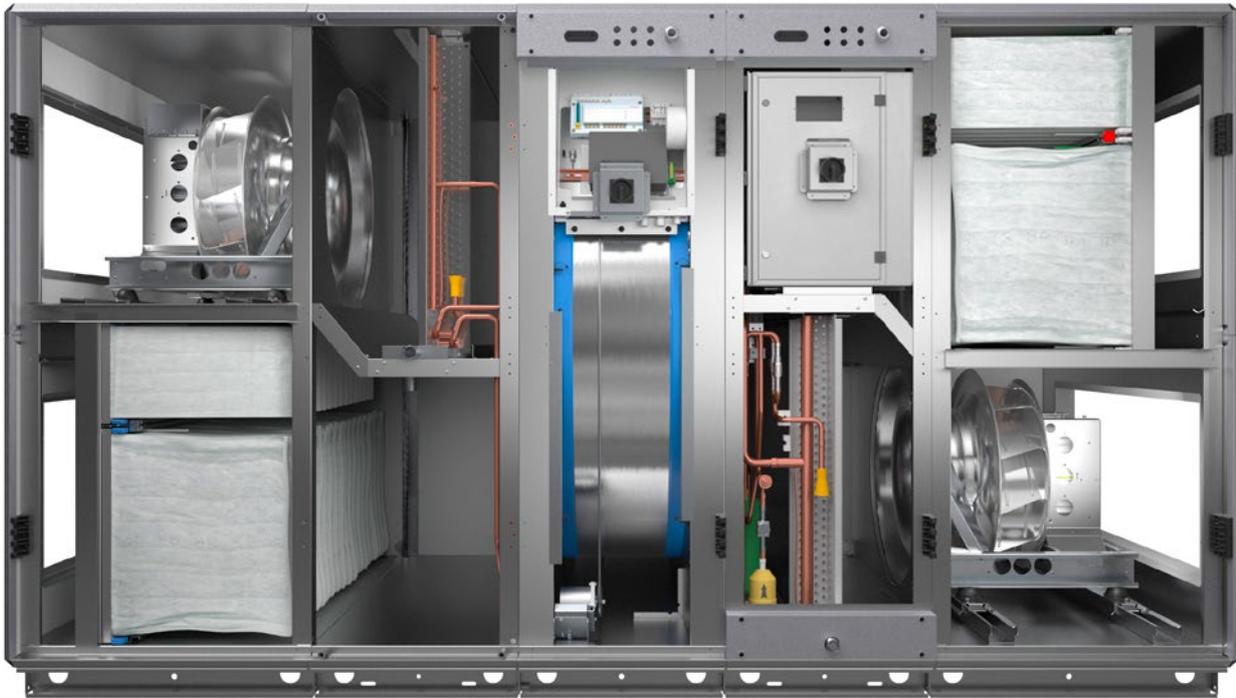
Expanded flexibility:

- Standardized modular dimensions
- Multi-functional accessory sections
- Many different combination options

*All this gives everyday benefits through numerous combination options, which in turn makes project adaptation easier. Naturally you also get an air handling unit with improved performance.*



# GOLD RX/HC



## Cooling and Heating are unbeatably easy

### **GOLD RX/HC with integrated reversible heat pump**

The new GOLD version also includes our new heat pump/chiller solution, HC, as an option. This variant of GOLD houses a complete, installed and fully integrated reversible heat pump. We use refrigerant R410A and the refrigerant circuits are filled on delivery. The new HC solution is already prepared for the new Energy Directive, Ecodesign LOT 21. This means, among others, variable adjustment and high COP/EER ratio. On delivery, as standard it is equipped with our sorption rotor, RECOsorptic and the HC unit is tested at the factory.

#### **Performance**

- Air flow up to 6.5 m<sup>3</sup>/s
- Cooling capacity up to 110kW
- Heating capacity up to 44kW
- Operation to -20C

#### **Energy efficient**

- Sorption rotor
- Inverter controlled compressor
- High COP/EER ratio

#### **Cost effective**

- Defrosting type adaptable for different climates

#### **Project planning**

- Simplicity through ventilation, cooling and heating in a single package

#### **Simple installation and use**

- Unbeatable compact size
- Prefilled, divisible as needed
- Common GOLD HMI

# GOLD RECOflow



## New highly efficient heat exchanger

RECOflow is our new compact counterflow heat exchanger with our unique, tried and tested defrosting function. Our new heat exchanger reaches 88% temperature efficiency and is available in both MTE and MPE designs, which means you can optimise according to efficiency (MTE) or pressure drop (MPE). The heat exchanger is compact, which simplifies planning, since it saves valuable space. Naturally it also contains our smart RECOfrost function that involves demand-controlled adaptive defrosting. The defrosting cycle is adapted for each section individually, and with the spring-autumn function even the pressure drop is reduced by up to 64%.

### **GOLD PX - unique advantages:**

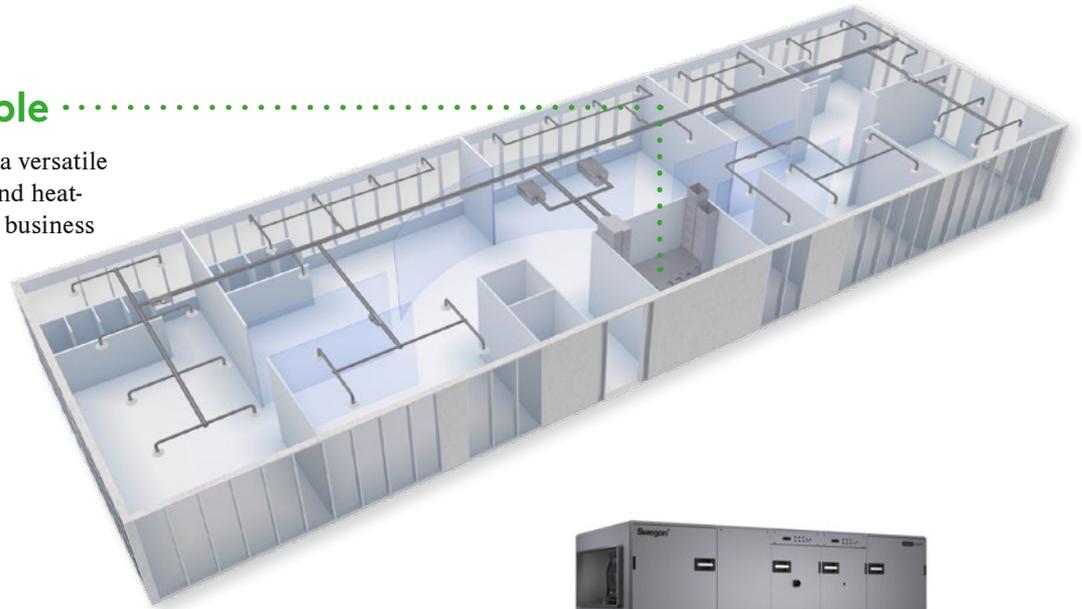
- High annual efficiency, saving both energy and money
- Compact dimensions, saving valuable space
- Well adapted for housing as it minimises the risk of odour transfer and with its high efficiency it becomes energy efficient.
- Temperature efficiency, up to 88%
- Air-tight design - conforms to class L2



# Installation example

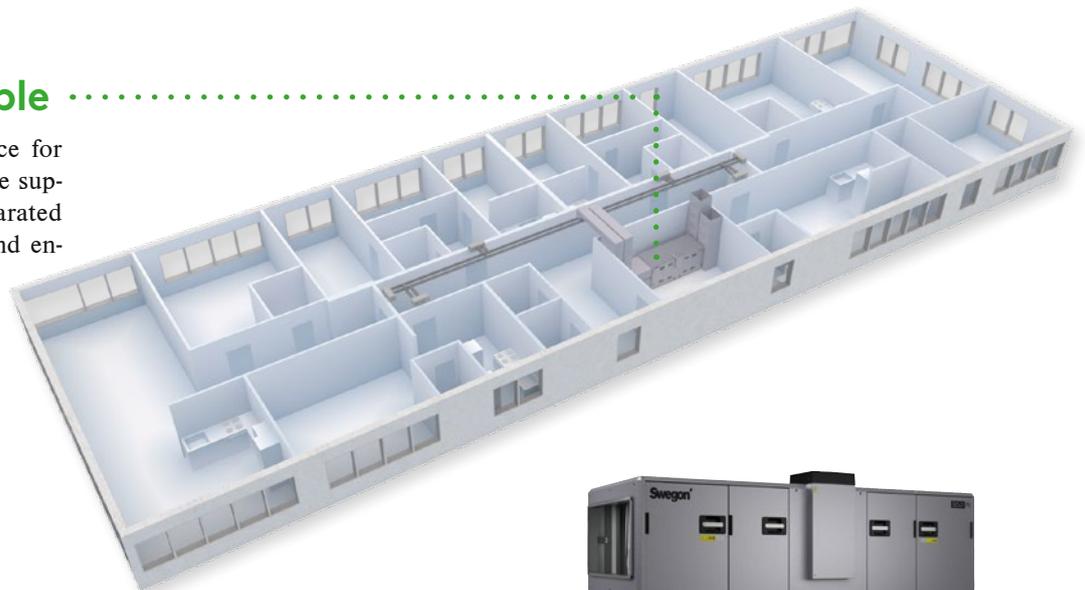
## Installation example

Through GOLD RX/HC you get a versatile solution for ventilation, cooling and heating, with many uses, for example, business premises.



## Installation example

GOLD PX is an excellent choice for ventilation in homes. Keeping the supply air and extract air fully separated means you avoid odour issues and ensures a good indoor climate.



# Swegon Connect - connection point for control, maintenance and monitoring!

## Function

Swegon Connect is a communication unit that enables stable and remote access via mobile connectivity, to intelligent climate products and systems, which can facilitate monitoring, configuration, trouble shooting, service and maintenance. Remote access occurs via the built-in router's mobile connectivity, to a cloud-based customer platform.

Swegon Connect (TBSC) is supplied preconfigured from the factory to use a fixed IP address. As standard, the product is equipped with one Ethernet port, however, if there is a need of more connections Swegon Connect can be supplemented with a switch (see accessories).

Swegon Connect works for Swegon products with a built-in web page:

- GOLD
- NESTOR
- Super WISE
- COMPACT

Swegon Connect is approved for outdoor installation with the Electrical box accessory.

## Applications

Swegon Connect makes it possible to remote connect to climate products and systems, without access to the network. It is possible to configure and optimise devices via the remote connection.

Using Swegon Connect, Swegon can quickly provide support and solve certain tasks remotely. In addition to time savings, the environment also benefits thanks to fewer trips. When a technician still needs to be on site, a solution can be identified in advance, enabling the correct measures to be taken immediately.

Previously there have been problems, when in some cases for security reasons, access to existing networks is not permitted. With Swegon Connect's separate input for building networks, and the in-built intermediate firewall, protected access is possible from two directions. When connected to a local network, local IT security is taken into consideration and safeguarded.

## Technical description

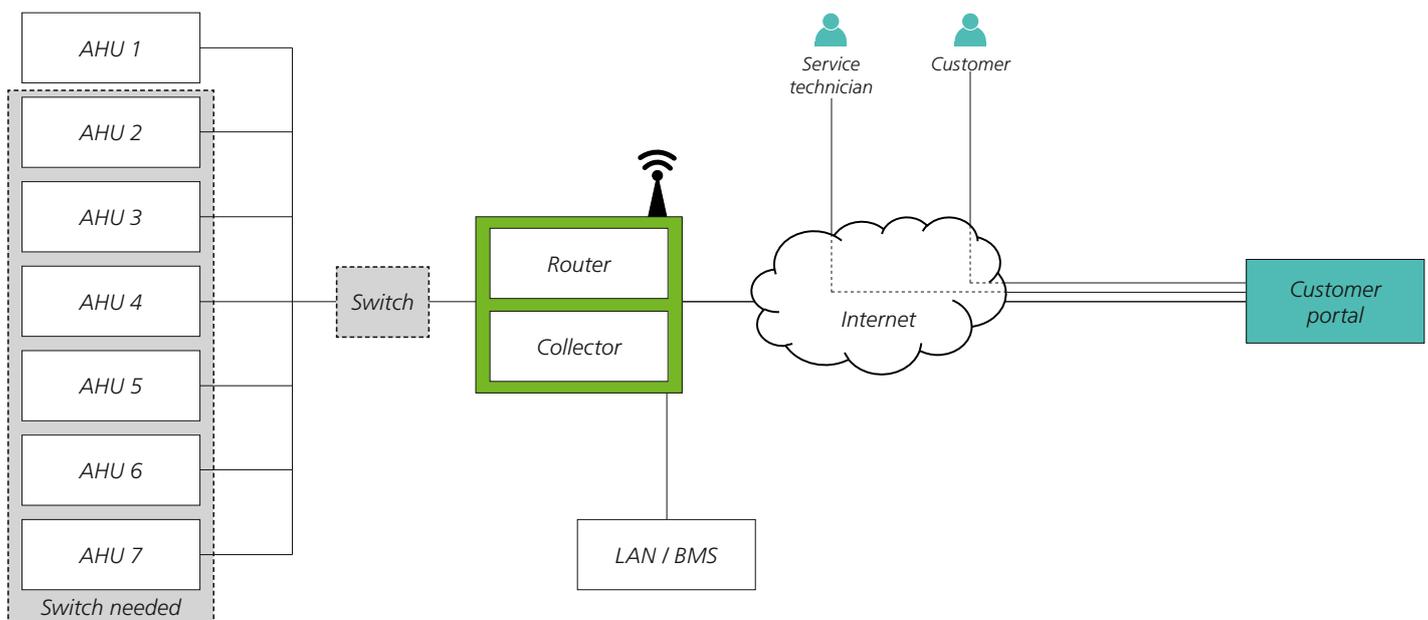


Fig. 6: System overview and connections.

We make every breath count.

SE-GOLD RX/HC 2016-04-21

**Swegon**