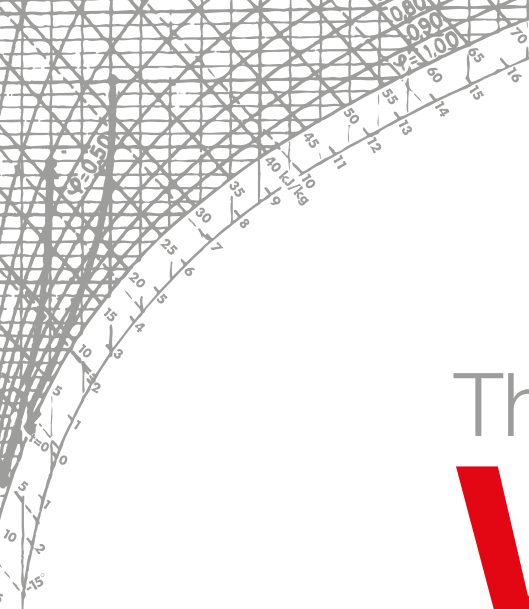
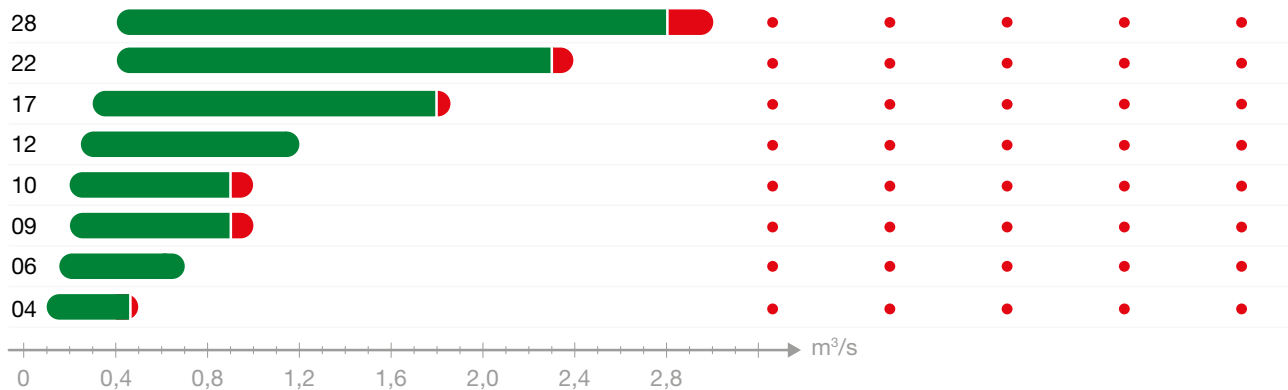
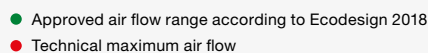




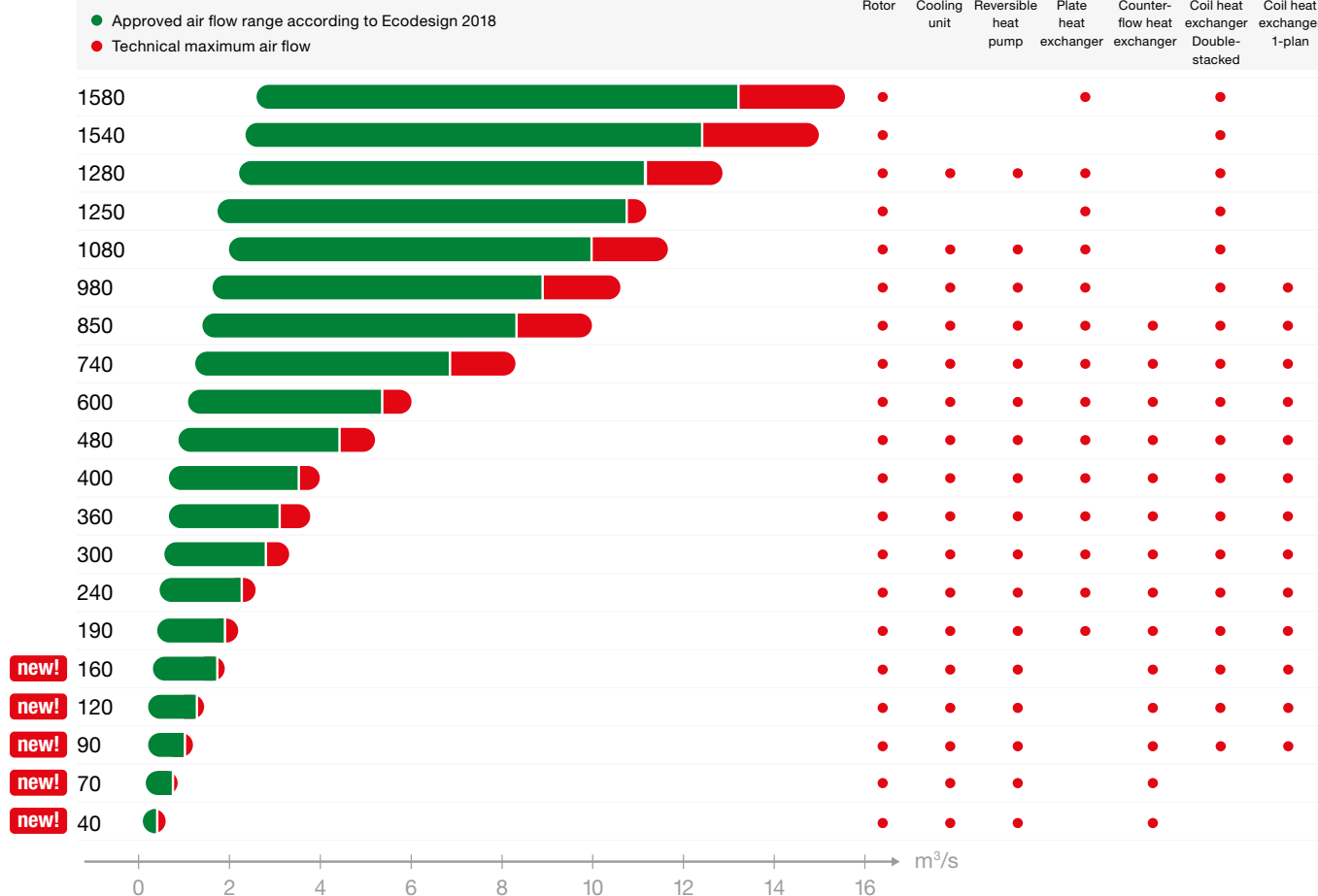
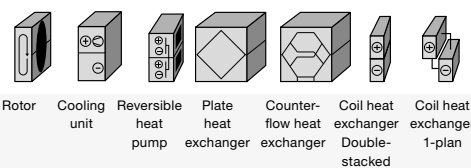
The market's
WIDEST
range



Air handling with focus on LCC



Envistar® Flex



ThermoCooler HP

- 25 sizes
- Air flow 0.1–10 m³/s
- Cooling power 1.2–170 kW
- Ideal for large variable air volumes – VAV
- Low installation, operating and maintenance costs



The reversible heat pump ThermoCooler HP is a module integrated in the air handling unit. This means that you receive a total solution for the heating of ventilation air and comfort cooling. In most cases, there is no need for heating coils, run-around coils or outdoor cooling installations.

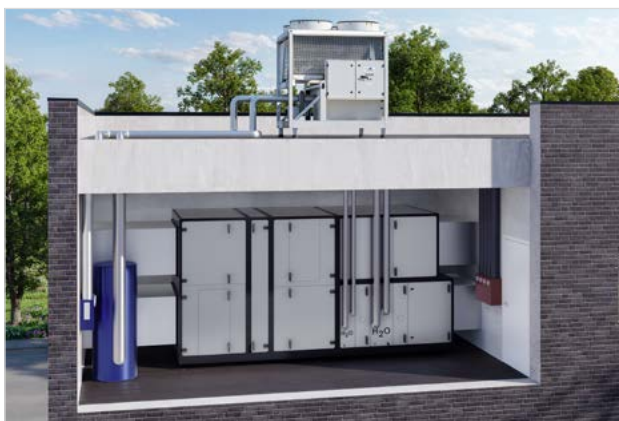
EcoCooler

- 25 sizes and several power variants
- Air flow 0.1–10 m³/s
- Cooling power 1.2–250 kW
- Stepless control of temperature/ constant supply air temperature



The cooling unit EcoCooler is ideal for VAV systems as the cooling power is adjusted steplessly using frequency inverters. EcoCooler provides a complete CE marked cooling installation, which means one supplier and one responsible party.

Traditional installation:



Installation with **ThermoCooler HP**:



Reduce energy use, **save** money and **protect** the environment

As EcoCooler and ThermoCooler HP are integrated in the air handling unit, there is no need for an outdoor chiller. In most cases, this means that the environmental impact is halved due to reduced material consumption. The installation process is faster, costs less and doesn't affect the exterior appearance of the building.

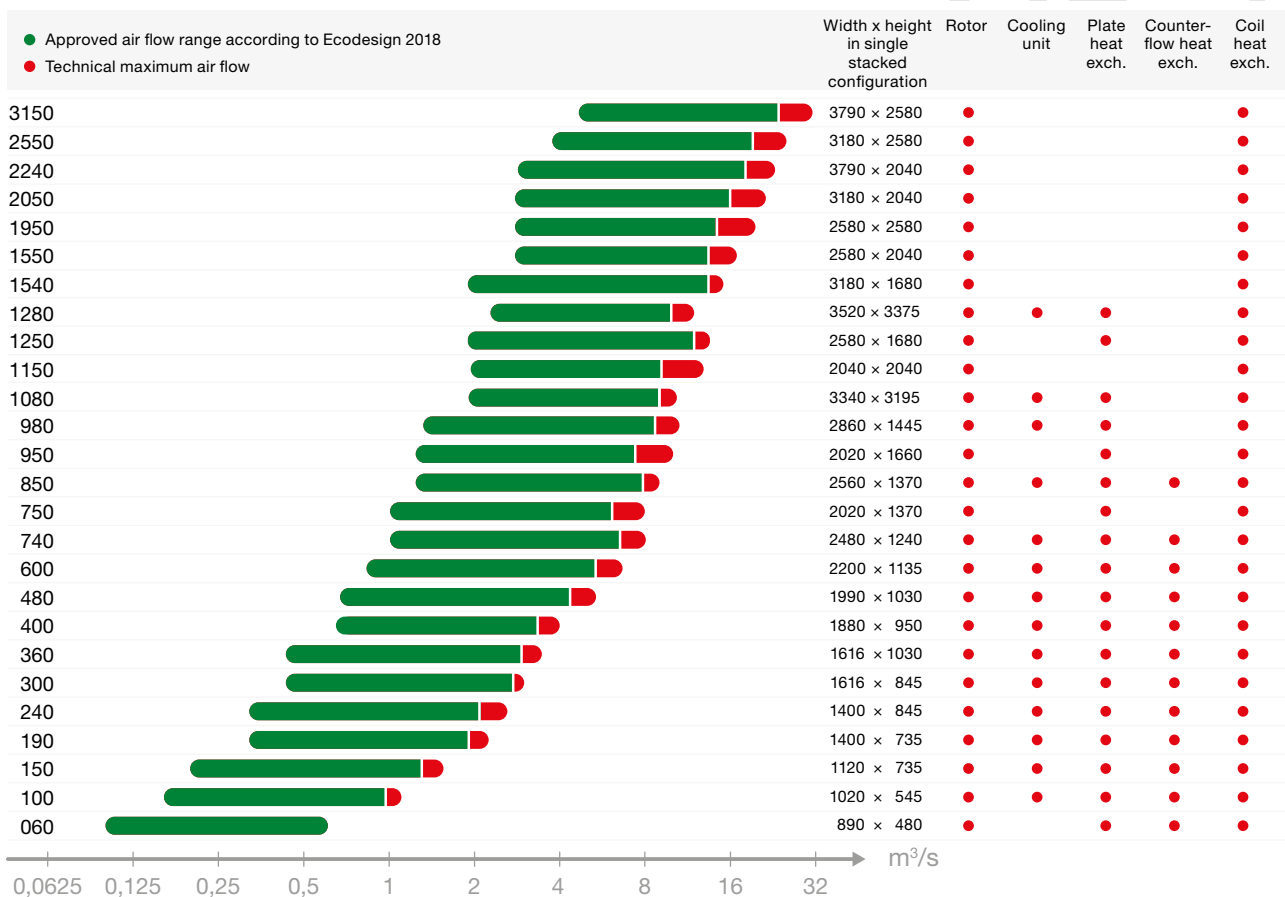
Compared to a traditional installation, the integrated heat pump ThermoCooler HP often provides:

- **33% lower installation cost**
- **20% lower energy use**
- **50% lower environmental impact (EPD)**

Flexomix[®] Modular air handling units – you choose the delivery configuration

- 26 sizes
- 30 functional components
- The integrated EcoCooler cooling unit with stepless control of cooling power and cooling recovery is available as an option for 14 unit sizes

Air flow ranges



The most profitable sustainability investment is in your plant room

We'll help you with your investment calculation

- Replacing older air handling units saves ~50–75 kWh per m²/year
- Payback period 3–6 years



A range of air handling units customised to make apartment buildings with FTX systems more energy efficient.

- 24 sizes
- Air flow 0.13–6.50 m³/s
- Counter-flow heat exchanger with a unique, patented defrosting technology – ODS
- Each unit can be used for 6–240 apartments



A range of extract air handling units with integrated heat pumps for energy efficient use in apartment buildings.

- 6 sizes
- Air flow 0.20–3.0 m³/s
- Easier and more cost-effective installation than installing supply air ducts for conversion to FTX
- Installation does not disturb tenants

Control **the units in** your way

Hand-held terminal



Hand-held terminal with touch display

App



IV Produkt AHU Controls

Cloud



IV Produkt Cloud

The entire Envistar range has integrated control equipment with software developed by us. We use Siemens Climatix hardware.

Project-specific electrical and control diagrams are supplied so that you can optimise air flows and temperatures easily. The units can be connected to the Internet or a parent system (BMS) via most communication protocols.

We offer the Energy Watch function as an option in the control equipment. Energy Watch is a unique tool for monitoring and optimising energy use in the air handling unit. You can easily see the meter values and information in the hand-held terminal, the app or in a parent system. During inspection and follow-up, you can see which values the unit has, thus allowing you to optimise energy use.



Gives you full **control**

IV Produkt Cloud is a cloud service for our air handling units with integrated control, in which you and your colleagues will be able to keep track of your systems no matter where you are. The cloud service is available in the subscription plans Free, which is entirely free of charge, and Service+, which involves a subscription fee. The Digital Wallet administrative service is also available, which helps you manage your various subscriptions.



- Completely free subscription
- View status and flow chart and acknowledge alarms
- Option for remote support from us at IV Produkt
- Service+ included during the first month



- Full access to change control functions and adjust values
- Alarm notifications, history, upgrades and automatic parameter backup
- Ideal for balancing and commissioning
- Access via the IV Produkt AHU Controls app
- Remote support and advice for operational optimisation

We have been conserving the Earth's **resources** for more than fifty years



IV Produkt is a privately-owned company that develops and manufactures innovative solutions for air handling, cooling units and heat pumps. We have been doing this since 1969. Today, we are the market leader in the Nordic countries, and have the fastest development rate in the industry. Development and production take place in Växjö, Sweden. We operate across large parts of Europe.

As early as 1991, environmental and energy efficiency were part of our business concept. This has led us to focus on the life cycle cost (LCC) – the total cost of procurement, operation and maintenance. We want this cost to be as low as possible and regard it as a natural aspect of our product development. Optimised life cycle costs also create a higher property value and a lower environmental impact.

With our energy-efficient air handling units, we make it possible to recover energy and create a comfortable indoor climate. Compliance with ISO 9001 and 14001 is essential to how we operate.

Our products

We offer a wide range of air handling units with an air flow capacity from 0.1 to 23.6 m³/s. The units can be equipped with heat and cooling recovery, cooling units with integrated condenser, reversible heat pumps, and complete control equipment. The units within our Home Concept are tailored for renovation and new construction of apartment buildings and handle air flows up to 6.5 m³/s. Our air handling units in the Envistar and Flexomix series have been tested by Eurovent, in accordance with standards such as EN 1886 and EN 13053.



Our products and many years of experience enable us to identify innovative solutions for air handling which are perfect for your particular project. We will gladly help you achieve our common goal of protecting the Earth's resources.

You are welcome to contact us!

Head Office & Production in Växjö
Sjöddevägen 7
SE-350 43 Växjö
info@ivprodukt.se

IV Produkt Ltd
Sweden House, 4th Floor,
5 Upper Montagu Street,
LONDON W1H 2AG
Phone: 020 7258 5152

Switchboard +46 (0) 470 75 88 00 • **Control support** +46 (0) 470 75 89 00
www.ivprodukt.com



Air handling with focus on LCC