

The market's  
**WIDEST**  
range



*Air handling with focus on LCC*

# The range that creates **unique opportunities** to save energy

With energy-efficient air handling units, we make it possible to recover energy, increase property value and conserve the Earth's resources.

Schools, offices, hospitals, homes, shopping centers, sports arenas, swimming halls, concert halls and airports in a number of countries all have low energy consumption thanks to IV Produkt. IV Produkt has been involved in a long list of projects.

Our wide range creates opportunities to reduce energy consumption and optimise life cycle cost (LCC).

Our Envistar and Flexomix air handling units have been tested by Eurovent in accordance with EN 1886 and EN 13053.

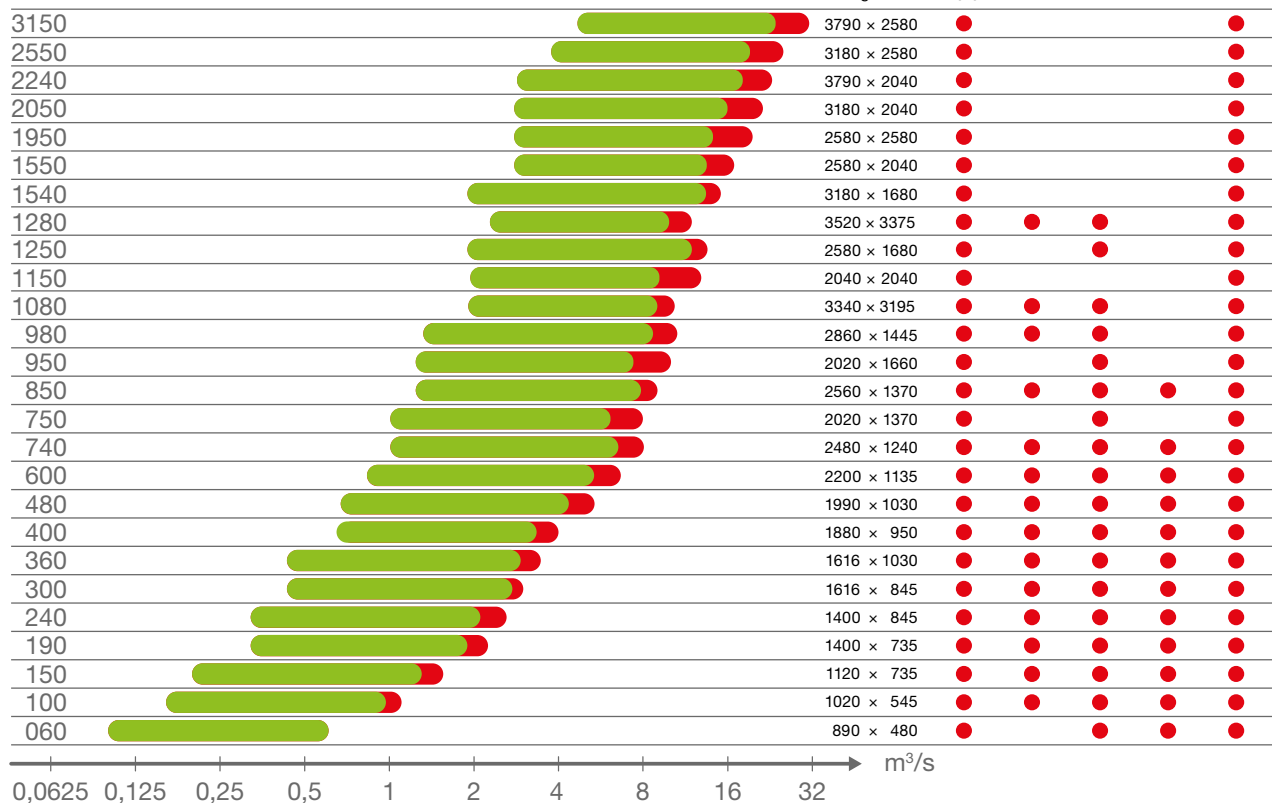


## Flexomix®

Modular air handling units where 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

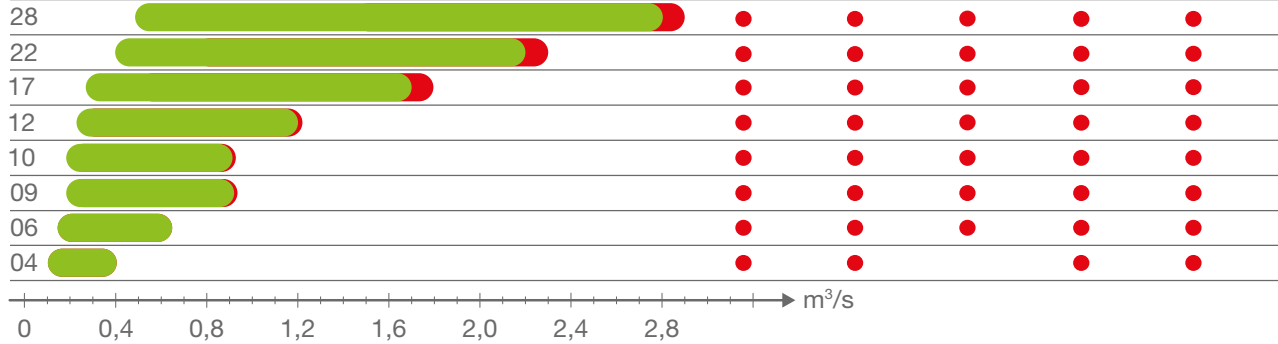
● The green field indicated the approved air flow range according to Ecodesign 2018.  
 ● The red field indicates technical air flow range for various sizes.



# Envistar® Flexible air handling units with integrated control equipment.

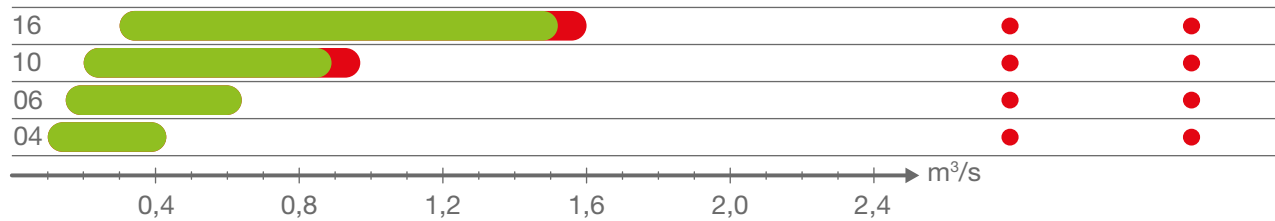
## Envistar Top

- The green field indicated the approved air flow range according to Ecodesign 2018.
- The red field indicates technical air flow range for various sizes.



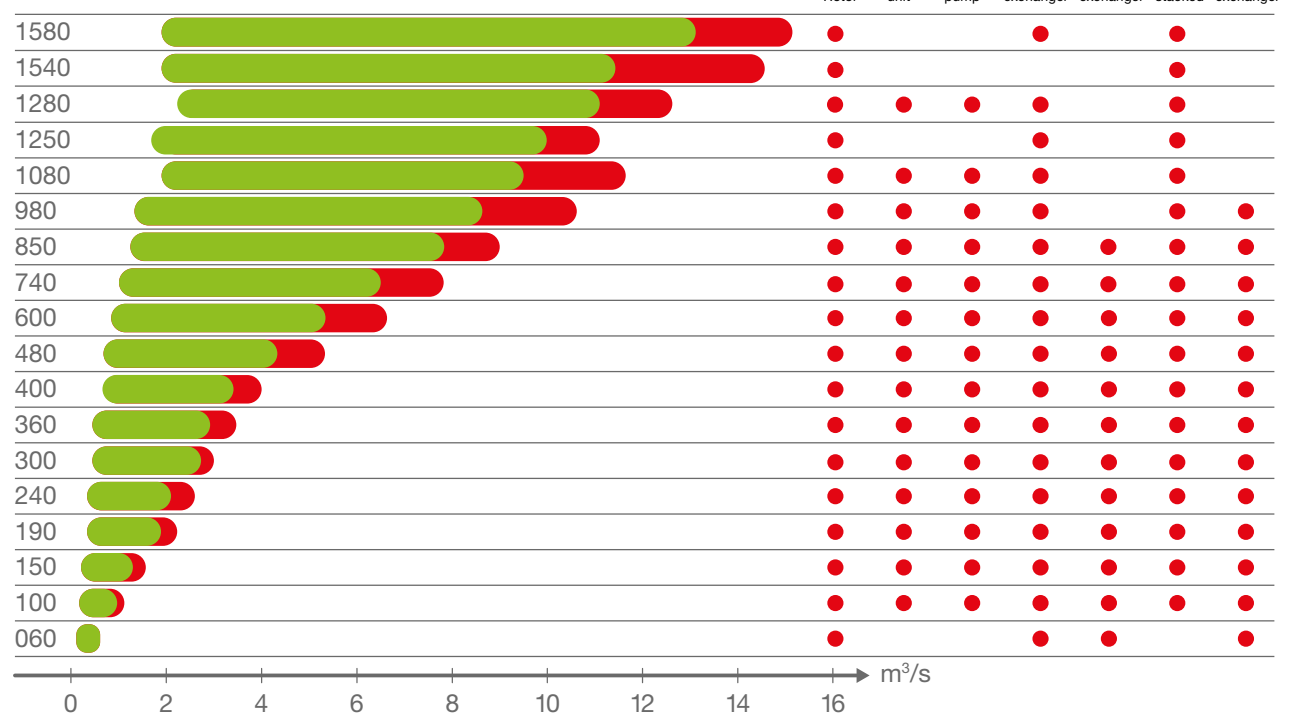
## Envistar Compact

- The green field indicated the approved air flow range according to Ecodesign 2018.
- The red field indicates technical air flow range for various sizes.



## Envistar Flex

- The green field indicated the approved air flow range according to Ecodesign 2018.
- The red field indicates technical air flow range for various sizes.





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
- Available with counter-flow exchanger or rotor
- 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
- Simpler 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 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 consumption 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 consumption.

## IV Produkt Cloud service

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 as a free subscription called Free, and a paid subscription called Service+. The new administrative service Digital Wallet helps you manage your subscriptions.



- Completely free subscription
- See status and flow chart and reset alarms
- Service+ included the first month



- Full access to change control functions and adjust values
- Alarm notifications, history and upgrades
- Good for balancing and commissioning
- Remote support capability from us at IV Produkt

# Create **living** roof surfaces!

The EcoCooler cooling unit or ThermoCooler HP cooling/heating pump frees up space on the roof. As they are fully integrated into the air handling units, no cooling medium coolers or other cooling installations are needed outdoors. The roof surface can be used as a pleasant terrace with endless possibilities!



## ThermoCooler HP

- 21 sizes
- Air flow 0.25–10.4 m<sup>3</sup>/s
- Cooling power 3–175 kW
- Ideal for large variable air volumes – VAV
- Low installation, operating and maintenance costs



All parts of the cooling/heating pump are incorporated in a module section, which is located in the 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

- 22 sizes and several output variants
- Air flow 0.12–10.4 m<sup>3</sup>/s
- Cooling power 1.6–260 kW
- Stepless control of temperature/constant supply air temperature



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.

# Company facts

IV Produkt is a privately-owned company based in Växjö in the Swedish county of Småland that develops and manufactures innovative solutions for air handling. We have been doing this since 1969. The company's turnover is approximately 170 million euros, and have around 450 employees.

## Business concept

IV Produkt develops, manufactures and sells environmentally-friendly and energy-efficient air handling units.

## Our products

We offer a wide range of air handling units in the air flow range 0.10–23.6 m<sup>3</sup>/s. The units can be equipped with heat and cooling recovery, cooling units with integrated condensers, reversible heat pump and complete control and regulation equipment. The units with Home Concept are customised for refurbished and new-build apartment buildings and for air flows of up to 6.50 m<sup>3</sup>/s.

## Our trademarks

Envistar, Flexomix, ThermoCooler HP, EcoCooler, EcoHeater and FlexoPool.



Development, production and head office in Växjö.

## Applications

Our units are installed in everything from swimming pools and ice hockey rinks to large office and business complexes, homes, hotels, industrial premises and hospitals – both in Sweden and abroad.

## Quality and environment

Our quality assurance system, certified in accordance with ISO 9001, guarantees good quality and safety for customers and users for the duration of the product's service life. Development and manufacture of our products takes place using our environmental management system, which is certified in accordance with ISO 14001. The products are environmentally certified both in terms of incoming materials and the degree of recyclability.

## Research and development

We are constantly developing our products' energy efficiency. This is why it is important for us that the life cycle cost (LCC) is considered when developing new products and services. LCC is the combined investment and operation cost for the product's service life.

**You are welcome** to visit us at [www.ivprodukt.com](http://www.ivprodukt.com), or contact us to find out more.

### Head Office & Production in Växjö

Sjöddevägen 7  
SE-350 43 Växjö  
Switchboard: +46 (0)470 75 88 00  
Control support: +46 (0) 470 75 89 00  
[info@ivprodukt.se](mailto:info@ivprodukt.se)

### IV Produkt Ltd

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



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