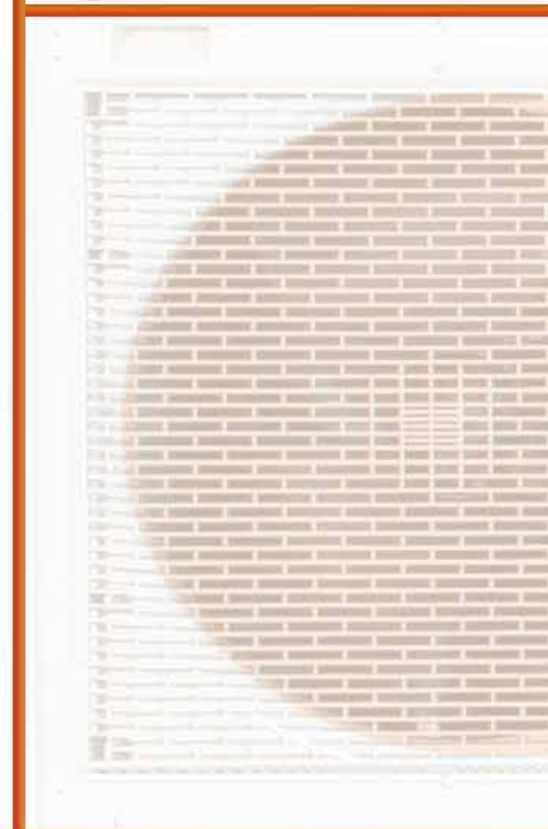


ZHK INOVA

+ *KonAir*



euroclima[®]
We care for better air



WE CARE FOR
BETTER AIR



THE COMPANY

Since 1963 Euroclima has been a market leader in the production and worldwide distribution of Air Handling Units and Fan Coil Units.

We develop, produce and market **high quality Air Handling Units and Fan Coil Units** for all areas. From simple, convenient applications to solutions in hygiene and air processing plants. Euroclima is an international industrial business working across **5 production sites in Italy, Austria, India and the United Arab Emirates and with over 40,000m² of production sites**. Our core competencies are the production and the worldwide distribution of customized Air Handling Units and Fan Coil Units.

We strive to exceed our clients' expectations through innovation, quality and a comprehensive service. Euroclima currently employs **over 450 members of staff** in addition to a widespread **distribution network** with sales and service branches in the whole of **Europe, Asia, the Middle East, North Africa and Australia**. Cooperation with partners in various countries enables us to cover an extensive market whilst providing optimal customer service.



ZHK INOVA +KonAir
CONDENSATION UNIT

PLUG & PLAY

Ready to plug in

Whenever you decide for a ZHK INOVA + KonAir unit, you have the choice between the **delivery of the condensing unit loose or of the unit complete as a monoblock**. With the delivery as a monoblock - you **save on installation costs** and time and **reduce time** in the organization of the delivery (one source delivery).

Precise planning, exact configuration and **complete factory completion** guarantee an easy commissioning of the system at site. With experience and know-how, our specialized engineers ensure a **smooth handover** to you. The control of the unit can at any time be **adapted to your requirements**.

We exclusively use the condensate unit from worldwide know and renowned manufacturers. The condensate unit itself can be **modelled via inverter** and we use **R32 as refrigerant**. The **power supply for the condensate unit comes from the AHU and the regulation is perfectly coordinated between the units** (AHU & condensate unit). The capacities of the condensate units are adapted to your requirements and cover the following range for heating and cooling:





ZHK INOVA +KonAir
FREELY CONFIGURABLE

YOU DECIDE, WE DELIVER!

We offer system solutions from a single source.

The ZHK INOVA unit series is characterized by **amazing flexibility**.

We offer **freely configurable unit selections** and fall back on a **large selection of high-quality unit systems**. The **unit sizes and shapes can be perfectly adapted to the conditions on site**.

The **unit combination between the ZHK INOVA Air handling unit and a condensing unit** was specially designed for simple and quick commissioning. We supply the air handling unit with the configuration and components as required for your project and then we combine this customized AHU with our condensate unit. All the knowledge come from the **specialist departments of Euroclima** and are optimally combined together. **Highest energy efficiency** is our standard. In addition, the air handling unit can be used to run with a fresh air rate of 100%.

For the Installer and End-user, there is now **only one contact person who is responsible** for the function of the system. And the customer can be sure, about the perfect function between the individual components of the unit. All used components has been tested many times and harmonizes with each other in the system. This **reduces inefficiencies** in the interfaces and cuts the time required for installation and commissioning.

No additional water pipes to the unit needs to be installed for heating and cooling.

ZHK INOVA

Gladly we insert also special components.



SMART DETAILED SOLUTIONS

Fan sections

- » Radial fan with belt drive
- » Plug fan
- » Plug fan with external runner engine
- » EFC three phase motor, conform to IEC standard, single speed or two speed
- » Measuring device for air volume (analogue or digital)
- » Repair switch
- » Belt guard protection or grid for inspection door

Heater- Cooling section

- » Heating coil water / glycol
- » Condenser coil
- » Steam coil / Electric heater
- » Cooling coil water / glycol
- » Direct expansion coil

Humidifier section

- » Steam humidifier
- » Electrode steam generator
- » Resistance steam generator
- » Gas fired steam generator
- » Steam distribution systems for available on site steam
- » Adiabatic humidifier systems
- » High pressure atomisation
- » Hybrid air humidifier
- » Air washer
- » Contact pad evaporation humidifiers
- » Ultrasonic humidifiers

Energy recovery section

- » Plate heat exchangers with efficiencies up to 90% (cross flow, counter flow)
- » Heat wheel RT: condensation wheel, enthalpy wheel, sorption wheel
- » Heat pipe
- » Energy recovery for special applications with glass tube or stainless steel tube exchanger
- » SPC-System
- » Accumulator

Filter sections

- » Panel filter G2-G4, F5
- » V-bank filter G2-G4, F5
- » Bag filter G4-F9
- » Compact filter M5-F9
- » Absolute filter H10-H14
- » Activated carbon filter
- » Filter Safe® (Euroclima filter frame for absolut filter)

Control unit

- » Connections for mains supply / external inputs
- » Main switch for cutting the power supply
- » Fuses / over current protect.
- » Programmable RAM controls with alphanumeric, display and one-button navigation
- » PGU interface
- » Menu levels: manual/emergency
- » Climatix IC Cloud remote access

Silencer sections

- » Attenuation at 250 Hz from 14 to 40 dB depending on splitter length
- » Standard VDI 6022 conform

ZHK INOVA

TECHNICAL SPECIFICATION

The ZHK INOVA series is a self-supporting, frameless, modular panel construction with an integrated base frame made of galvanized sheet steel and continuous aluminum profiles. The construction consists of a double-shell housing panel with a thickness of 50 mm, consisting of an inner cover and a removable outer cover which are thermally separated by PVC plug-in profiles. Non-flammable mineral wool (fire protection class 0 according to ISO II 82.2 and A1 according to DIN 4102), which is ideal for sound and heat insulation, is used for device insulation. Various types of insulation with densities of up to 150 kg / m³ are optionally available.

Euroclima uses sheets up to 1.5 mm thick for the panels. The units can be made of galvanized sheet metal, epoxy coated sheet metal, stainless steel 304 and stainless steel 316 or aluminum in order to cope with the most varied of applications.

Our air handling units are very generously equipped with inspection and maintenance doors in panel thickness. The door leaves are thermally separated on the inside and outside by plastic frames. We use adjustable hinges made of die-cast zinc for fastening the door leaves. Alternatively, we can also install clamping brackets for inspection accesses, which are opened less frequently. All door handles are equipped with locks.

All materials used have been tested by an autonomous testing institute for the requirements of VDI 6022 and found to be good.

Certified data (MB ZHK INOVA) conform to EN 1886:

- » Casing strength: class D1(M)
- » Casing air leakage at -400 Pa: class L1(M)
- » Casing air leakage at +400 Pa: class L1(M)
- » Filter bypass leakage: class F9 (m)
- » Thermal transmittance: class T2
- » Thermal bridging factor: class TB2 (to achieve factor TB1, please select our ZHK VISION series)

- » Sound attenuation R_w (DIN52210-03): 36dB
- » Sound attenuation of the panel certified in compliance with EN 1886 and EN ISO 3744:

Frq. Hz	125	250	500	1000	2000	4000	8000
Okt. dB	15	23	31	33	35	36	45

- » Performance data certified in compliance with DIN EN 13053

Special materials

- » Stainless steel AISI 304/AISI 316
- » Aluminium
- » Epoxy-coating
- » Powder coating
- » AMC coating (antimicrobial powder coating)

Weatherproof execution

- » Weatherproof roof with drip nose in inclined and flat design
- » Sealing of the panels and large watertight service doors

Hygienic execution (in addition to standard)

- » All components are removable
- » Floor panel made as a tub in 3-fold inclined design
- » Panel joints on the inside with permanently elastic, fungicidal sealing compound, seamlessly and steam-tight puttied
- » Manufactured in accordance with DIN 1946-4 / VDI6022 / SWKI / ÖNORM...

ATEX

In compliance with ATEX directive 2014/34 EU.

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Euroclima product catalogues



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Due to its commitment of continuous product development and improvement, Euroclima reserves the right to change specifications without notice.

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