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➔ AIR HANDLING UNITS

# Climaciat concept

Awaken your senses with  
new generation air treatment



# climaciAT

## concept

### **T**ake another look at air handling units

the new generation **CIAT** range

CLIMACIAT CONCEPT, five complementary ranges to cover all centralised air treatment markets, from small volumes (shops, offices, etc.) to large-scale projects (business centres, hotel complexes, airports, industry, etc.), pure optimisation to ensure your project's success.

### **T**aste the success

**Discover the new performance air treatment,**

based on CIAT expertise, the market leader in France and one of the top European companies in the sector. Our exceptional research, development and production capacities have one constant aim: satisfy our customers.



# Smell the pure air

## Ultra-clean requirements

CLIMACIAT CONCEPT goes further than the most severe quality standards. A new design to the highest filtration and tightness standard classifications, the optimum solution for hygiene and indoor air quality requirements.

# Touch the perfection

## Innovation above all

CLIMACIAT CONCEPT benefits from the latest technological innovations for optimal air treatment quality: smooth inner walls with flush screws, thermal bridge reduction, functional component ergonomics and design

# Listen to the silence

## Discreet performance

CLIMACIAT CONCEPT controls noise sources and reduction for a new acoustic comfort since, in order to be seen, performance should not be heard.



# end-to-end solutions...

**CLIMACIAT CONCEPT provides all the additional equipment required for the complete installation of your air treatment system:**

- control panel
- PLC
- valves, pipework, servomotors, pressostats, antifreeze thermostats
- ventilation connection accessories (flexible sleeve, spigot, support frame)
- technical block, etc.



## ...that are infinitely modular

**CLIMACIAT CONCEPT offers unlimited modularity depending on your requirements and the room configuration.**

All combinations of functions for the most suitable solution:

- single air inlet, 2 and 3 channel, mixing box
- filtration : from G2 to H14 efficiency, activated carbon, international cell dimensions
- heating : hot water, gas, electricity, steam, condensation, superheated water
- cooling : chilled water, direct expansion
- humidification : steam, spraying, sprinkling
- recovery: plates, run around coils, thermal wheel, heat pipe
- ventilation : low pressure, high pressure, plug fan
- sound attenuator, plenum, droplet eliminator, etc.
- horizontal, vertical, double deck or side by side assembly
- indoor or outdoor installation



## certified quality

CLIMACIAT CONCEPT air handling units meet the requirements of the European standards EN 1886 and EN 13053, and are Eurovent certified.

**Our fully automated high-performance industrial tools is your guarantee of manufacturing quality beyond reproach.**



Validity of online certificate:  
[www.eurovent-certification.com](http://www.eurovent-certification.com)  
[ou.certiflash.com](http://ou.certiflash.com)

\*models without Eurovent certification

Characteristics	Class
Casing strength	D1-D2
Casing air leakage	L1
Filter bypass leakage	F9
Thermal transmittance	T2
Thermal bridging factor	TB2

AirTop/AirTech/AirClean classification



# ClimaCIAT concept

the range  
for all  
applica



## air compact\*

Low-volume

air handling

- extra-flat units
- easy installation (horizontal or vertical)
- elaborated design
- adjustable air flow rate

small spaces, shops, offices

shops, office,  
business centres,  
hotel complexes,  
industry,  
clean rooms



## airaccess

The guarantee for maintaining air quality

- complete access with sliding doors
- multi-service bulkhead (internal wirings, electrical and hydraulic connections)
- removable drain Pan

hotels, shops, office buildings,  
community halls, hospital sectors

## airtech

The technological choice

- the air treatment reference for all applications in the tertiary sector and industry
- complete range, large number of options
- wide air flow rate range
- high EN 1886 classification
- all air treatment function combinations

# tions



## High-volume air treatment

- Range entirely dedicated to industrial markets and controlled atmosphere rooms, requiring high air flow rates (up to 36 m<sup>3</sup>/s)

**car industry,  
laboratories,  
semi-conductors,  
nuclear, etc.**



## The ultra-clean reference

- design, adaptation and options in full compliance with EN 13053 standard hygiene recommendations related to controlled atmosphere room air treatment
- high quality solutions and materials
- entirely smooth inner design, all elements can be cleaned and effectively decontaminated.

**clean rooms, laboratories, pharmaceutical industry,  
microelectronics, car industry, plastics, hospital sector**

**office buildings, shopping centres,  
hotel complexes, community halls,  
public buildings, airports, industrial  
sector (plastics, aeronautics,  
mechanical, car, textile industries),  
hospital sector**



## high quality to the tiniest detail

CLIMACIAT CONCEPT, simplified installation and maintenance operations.

- threaded hydraulic connections
- coils and eliminators on slides
- multifunction support
- standard access doors
- operating and monitoring accessories: frequency inverter, antifreeze thermostat, pressostat, sensors, etc.

Our systems can be delivered flat-packed or can be disassembled on-site for the renovation market and difficult access sites.



## Common sense

- Progressive fastening 1/4 turn latch handle
- Specific offset axis hinges
- Reinforced tightness wide double-glazed port hole
- 50 mm mineral wool insulation
- Perfectly air-tight at hydraulic connection passages with complete thermal bridge insulation



### The economic and sustainable solution

*The alliance between performance, high energy efficiency, compactness and Plug & Play*

- Latest technology high-efficiency heat recovery ( $\eta > 80\%$ )
- High efficiency fan motor assembly, equipped with EC technology (electronically commutated motor)
- Plug & Play, autonomous unit wired and preprogrammed in-factory
- Available in 3 models for easy integration into all premises

**Tertiary buildings, hotels, retail areas, offices/  
administration, healthcare premises and retirement  
homes**





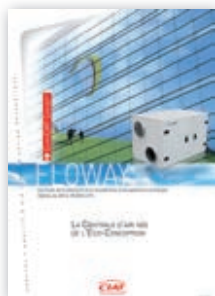
# CIAT, an international Group,

balancing the needs of mankind  
and the environment



The CIAT Group has been a major player in the HVAC engineering and energy optimisation fields for over 75 years. The industrial strength of CIAT stems from 9 production sites around the world, including a vast complex in France's Rhone-Alpes region.

The CIAT Group's market expertise structure enables it to optimise its offers. In addition to their Energy and Environment activities, CIAT Industries experts offer high-quality support in the fields of fluids & utilities, clean room air quality and hygiene and office comfort.



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