



**COFINAIR**

DECSA | GOHL-KTK | JACIR

# PRODUCTS

COOLING TOWER  
EVAPORATIVE CONDENSER  
ADIABATIC COOLER  
ADIABATIC CONDENSER

# THE COFINAIR GROUP

## OUR LOCATIONS

**HAUTOT-SUR-MER**  
**ROUXMESNIL**  
**MARTIN-ÉGLISE**  
**COFINAIR by JACIR**  
Production  
(Seine-Maritime,76)

**PÉRIGNY**  
**COFINAIR by JACIR**  
Branch  
(Charente-Maritime,17)

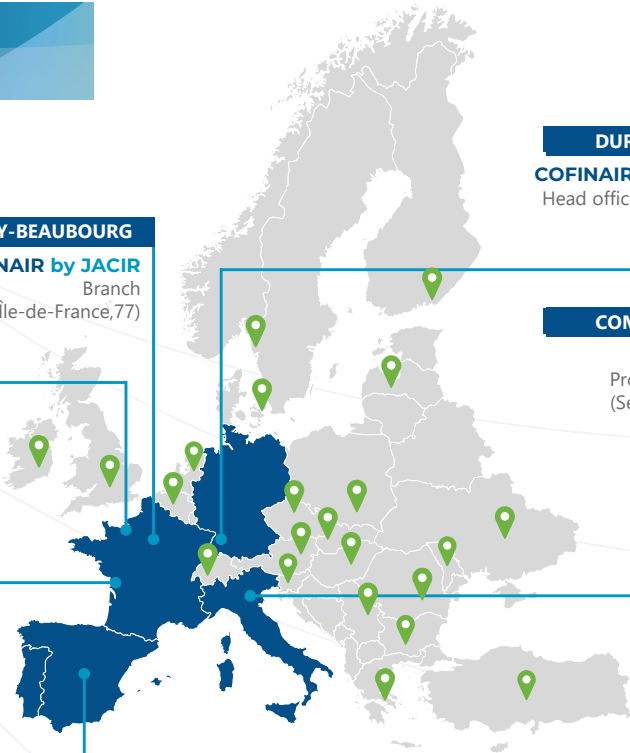
**MADRID**  
**COFINAIR en IBERIA**  
Representative Office  
(Spain)

**CROISSY-BEAUBOURG**  
**COFINAIR by JACIR**  
Branch  
(Île-de-France,77)

**DURMERSHEIM**  
**COFINAIR by GOHL-KTK**  
Head office and production  
(Germany)

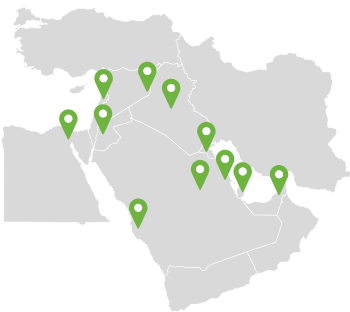
**COMING SOON**  
**FUR Project**  
Production facilities  
(Seine-Maritime,76)

**VOGHERA**  
**COFINAIR by DECSA**  
Head office and production  
(Italy)



**MAP KEY**  
Distributors =

### ↓ MIDDLE EAST



### ↓ AFRICA



### ↓ CIS + ASIA



### ↓ FRENCH overseas territories



## VISION, MISSION & VALUES

**VISION**  
Shaping a cooler future for generations to come, from innovative solutions to dedicated services across the entire life cycle.



**MISSION**  
Your project, our concern.  
From our engaged teams to the sustainable and reliable solution you need!

**VALUES**  
Customer Orientation  
| Innovation  
| Trust & Collaboration

# DRY ADIABATIC COOLERS / CONDENSERS BY PADS

## BENEFITS AND FEATURES

High-quality technology, certified by INERIS as free of Legionella risk, compliant with the **NF E 38-424** standard of December 2020.

- High quality/longevity material : Stainless Steel for all parts in contact with adiabatic water system
- Water consumption: **80%** savings (on an annual basis) compared to a cooling tower
- Unmatched maintenance accessibility on the market
- **No water droplet** in the air thanks to limited air speed (no legionella risk )
- No water droplet = no scaling risk on the coils = no water treatment needed
- Standard integrated recirculation pump
- **Cooling/Condensation** at a temperature lower than the ambient air (Wet Bulb temperature)

## ADIABATIC STANDARD

### ➤ Easy maintenance :

Internal access via a large, secure door; motors can be removed from the inside.

### ➤ Control cabinet with PLC :

Onboard control logic as standard, optimized to reduce energy consumption.

### ➤ EC motor :

Very low energy consumption, compliant with the Ecodesign Regulation (EU) No. 327/2011 and Directive 2009/125/EC (ErP) regarding the minimum efficiency thresholds mandated for 2026.

### ➤ Marine Environment Solution :

Custom hardware finish to ensure enhanced corrosion protection in demanding environments.

### ➤ H-shaped battery layout :

Full internal access: streamlined battery maintenance and enhanced performance reliability. This layout allows for safe removal of the fans from the inside.

### ➤ Manufacturer maintenance contract (optional):

COFINAIR support throughout the unit's lifecycle (consulting, audits, maintenance, services).



#### TOPAZ

Cooler (Water Glycol) or Simple Water with drainable option

**250 - 2200 kW**



#### ONYX

Condenser (NH<sub>3</sub>) Stainless Steel tubes and PED compliant  
Hybrid version available

**150 - 2200 kW**

# EVAPORATIVE COOLING TOWERS/CONDENSERS

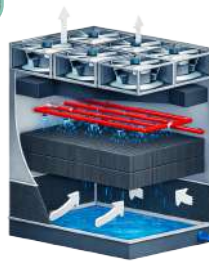
## INDUCED DRAFT AXIAL FAN



### TMA EU

Small footprint  
High capacity  
Metallic structure/Casing  
**200 - 5700 kW**

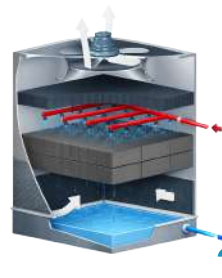
## INDUCED DRAFT EC FANS



### ZENIT

EC technology  
Small footprint  
High capacity  
**800 - 5700 kW**

## INDUCED DRAFT AXIAL FAN



### VAP

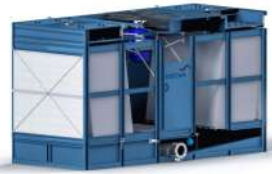
Small footprint  
High capacity  
FRP molded casing option  
**max. 1500 kW**

Based on the natural principle of water evaporation, **evaporative cooling** offers the best balance between thermal performance, low energy consumption, compact equipment, and controlled operating costs.

Thanks to direct heat exchange between air and water, the **open cooling tower** offers **unmatched cooling capacity**.

The tower's heat exchange surfaces and casings are **carefully selected** based on the process to be cooled, water quality, and operating conditions.

## CROSSFLOW WITH AXIAL FAN



### TMX

Crossflow with axial fan  
Double deck option  
Large maintenance access  
**600 - 5300 kW**

= Axial    = EC    = Centrifugal

## TECHNICAL ADVANTAGES



### MATERIALS

- Z-725 HDGS
- DECSA Coating Plus (Powder Coating C4 class)
- X-Steel stainless steel
- Polyester
- 304 & 316 stainless steel
- Possibility to have DECSA Coating Plus with C5M class (extra layer of coating)



### ENERGY EFFICIENCY

- EC technology
- Variable-speed drive
- Direct-drive motor
- Variable-speed pump

#### FORCED DRAFT EC PLUG FAN



##### DTC / E-Cube

Clean/Industrial water  
Low noise/High efficiency  
Flexible designs

**50 - 2600 kW**

#### FORCED DRAFT AXIAL FAN

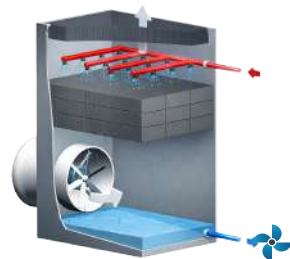


##### RH

For heavy duty water  
X-Stream technology  
Easy maintenance access

**300 - 4050 kW**

#### FORCED DRAFT AXIAL FAN



##### KH

Fan maintenance access  
Low power consumption  
Clean industrial water

**1500 - 4000 kW**

#### FORCED DRAFT CENTRIFUGAL FAN



##### TMR-S

Low noise  
High capacity  
Easy maintenance access

**100 - 6100 kW**



Closed-loop, glycol-free tower with a **stainless steel plate heat exchanger**, fully dismantlable and cleanable, allowing the evaporative circuit to be isolated from the process circuit.



#### ENVIRONMENT

- X-STEEL stainless steel finish (reduced blowdown water needs)
- Acoustic silencers
- POP-SCREEN filters to protect air intakes (pollen, etc.)
- Risk management (NH<sub>3</sub>) → SafetyPulse, SafetyDrain, SafetySide, and SafetyFrame patents



#### HYGIENE LEVEL

- X-STEEL stainless steel materials: smooth, non-porous surface that reduces the risk of Legionella.
- Sloped basin
- Reduced UV exposure thanks to louvers/drift eliminators
- Tank drain valves (PowerFlow)

#### FORCED DRAFT CLOSED COOLING TOWER



##### REF-EC / REF-C

Low noise level  
High-efficiency  
Easy maintenance access

**150 - 3700 kW**

#### INDUCED DRAFT CLOSED COOLING TOWER



##### REF-A

Small footprint  
High capacity  
Energy efficiency

**150 - 3700 kW**

#### FORCED-DRAFT CONDENSER



##### CFR-EC / CFR-C

EC technology  
Low noise level  
Energy efficiency

**160 - 5500 kW**

#### INDUCED DRAFT CONDENSER



##### CFR-A

Small footprint  
High capacity  
Energy efficiency

**150 - 7300 kW**

The closed-loop design (using plate heat exchanger or tube bundle technology) ensures that the process fluid remains confined within the circuit, thereby guaranteeing that it is not exposed to pollution, contamination or external agents.

**Closed-circuit cooling towers and evaporative tube-bundle condensers** combine thermal performance with a compact footprint.

The shell-and-tube heat exchanger is available in HDGS or 304 and 316 stainless steel to meet process requirements (water, glycol-water mixture, refrigerant).

#### MAINTENANCE & ACCESSIBILITY



- Machines designed to facilitate maintenance
- Platform, internal and external ladder
- Large access doors
- Compact design for easy transportation



#### WATER SAVINGS

- Conductivity-controlled automatic blowdown
- Stainless steel materials (higher concentration rates)
- Adiabatic solutions

# OUR SERVICES



# OUR APPLICATION AREAS

- Data Centers
- EV battery/Gigafactories
- Energy Sector
- Materials Industry
- Automotive Industry
- Semiconductors
- Food Industry
- Hydrogen & Carbon capture
- Pharma/Chemical Industry
- District Cooling
- Buildings & Public Sector



## CSR & CERTIFICATIONS

Working Toward a **More Sustainable** Future :

- CTI Certifications
- Responsible Procurement
- EcoVadis Certification
- NH<sub>3</sub> Certification
- ISO 9001
- Sustainable Innovation

**CONTACT**

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