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**WATER CHILLERS**



**AIR CHILLERS**



**DRYCOOLERS & ADIABATIC SYSTEMS**



**THERMOREFRIGERATORS**

# Water chillers

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The refrigeration of water is Frigosystem field of excellence: the company is a worldwide leader in the manufacturing of water chillers.

The core business is related to the infinite applications of the plastic industry.

Frigosystem portfolio counts more than 500 models and versions of water chillers, with small-medium-big power, for stand alone or centralized plants.

- . High performance & low Energy consumption
- . Assorted refrigerant gases with different features
- . Diversified compressor technologies: Frigosystem study any project and lead the customer to the optimal solution
- . High efficiency condensers
- . Maintenance and user friendly units
- . Suitable for installation in any climatic area of the world, including the most critical ambient temperatures



### **RACA/C – RAW/C**

Mobile water chillers for indoor purposes

Nominal cooling power from 3,7 to 120 kW (1 to 35 TON)

Refrigerant gas R407c

Top brand hermetic compressors.

Air condensation (RACA/C) or water condensation (RAW/C)



### **RACA PLUS ENERGY**

Latest generation water chillers

Refrigerant gas R410c – TRIPLE CLASS A – high energy saving

Middle & big sizes for outdoor

Nominal cooling power from 50 to 1100 kW (14 to 312 TON)

Multicircuit & multicompressor Suitable for installation in any climatic area of the world. Opportunity of integrated free-cooling



### **RACA/E Super Plus**

Highly efficient range of chillers with R 134a refrigerant gas and semihermetic screw compressors.

Units from 230 to 2000 kW (65 to 570 TON): the extraordinary range of RACA/E SUPER PLUS can satisfy all requests coming from the heavyduty installations. Opportunity of integrated free-cooling.



### RACA OIL

Refrigerators for cutting fluids emulsions in the tool machinery field.

Small and middle size chillers, air condensation with no water consumption.

Cooling power from 2 to 52 kW (0.5 to 15 TON)

Fluid temperature range: +20 to +35°C. (68 to 95°F)



### RACA/C-BT

Chillers for low temperature fluids between +5 and -30°C (41 and - 22°F)

Small and middle size chillers, air or water cooled.

Cooling power from 2 to 25 kW (0,5 to 7 TON)

# Air chillers

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Air cooling is a niche for experts only and Frigosystem has a relevant technical role with a package of solutions for every air process: from extrusion blown film to food and aeronautics.

Air cooling too is made ecological gas. The accurate project of the heat exchange surfaces and the electronics optimize the energy saving and Frigosystem results are officially certified by the European Institutions.

As Frigosystem customers are located anywhere in the globe, all units are projected for working in the most critical ambient temperature and humidity.

The flexibility of the air flow ranges and the air temperatures represent some of the undisputed technical prestiges of all Frigosystem branded air coolers.



### **KITE DEX**

Air chillers with 1, 2 or 3 air outlets with independent temperatures  
Ecological gas R410  
Scroll compressors  
Water condensation



### **KITE**

"ALL IN ONE" solution

Air cooling with 1, 2 or 3 independent flows and temperatures combined with water cooling and thermoregulation for the same process line. One multi task KITE chiller can serve cold water and air to the whole plant: fast installation, reduced maintenance costs, low energy consumption



### **MODULAIR**

Air chillers with direct expansion system and R407.  
Flexibility of application, installation and plant expansion.  
This product comes from COREMA and Frigosystem integrated it thanks to its high reliability, guaranteed performance and innumerable references in the world.

# Dry coolers

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After having devised the Free-cooling and the dual free-cooling in single frame, Frigosystem present the new line of DRY COOLERS, born for flexibility needs and manufacturing cost saving.

The industrial processes increasingly need to dispose heat and more and more often we have to work with temperatures very close to the highest ambient temperatures.

The advanced manufacturing features stimulate the use of the new Frigosystem DCS, which are completely manufactured in anticorrosion aluminum and projected with a particular design to work also without antifreeze during the winter time up to  $-20^{\circ}\text{c}$



### DCS

Dry coolers series DCS have the advantage to work without water consumptions by eliminating all the trouble shooting of the cooling towers as the system works in closed circuit, without losing the comparison in efficiency



### ACE

ACE is an adiabatic dry-cooler which uses the ambient air to cool the process water.

By using powerful fans, placed inside the ACEs, the ambient air is conveyed through a PVC pad which is uniformly wetted by a patented "SHOWER" anti-scaling water



# Temperature control units

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Large range with different WATER & OIL models for any industrial field.



## WATER - TRW

Open loop 95°C (203°F)

Pressurized units up to 180°C (356°F)

Direct or indirect cooling

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