



Power Generation

Data Centers

Industries

Refrigeration

HVAC

AIR COOLERS

FOR POWER & INDUSTRIAL APPLICATIONS

HEADING TOWARDS NEW HORIZONS



EXPERIENCE

For more than 70 years, D'HONDT THERMAL SOLUTIONS has been bringing its experience in heat exchange science to service a wide range of major industrial sectors such as Energy, Oil&Gas, Chemical, Heavy Industry, Refrigeration and others.



EXPERTISE

Over the years, D'HONDT THERMAL SOLUTIONS has developed solid expertise in its range of products, both in terms of design and manufacturing.

Today, D'HONDT THERMAL SOLUTIONS is able to make a significant technological contribution to the successful completion of industrial plants worldwide. Whatever the requirements are, we are able to offer a tailored solution for every project.



What the future holds...



Always turned toward the future, after three years of a proven collaboration, D'HONDT THERMAL SOLUTIONS and FRITERM have decided to join forces in a new venture:

D'HONDT FRITERM THERMAL SOLUTIONS

Through this new entity, our two companies will combine decades of experience and of production

capabilities for the benefit of our new and existing customers.

This will allow us to offer a variety of standardized or fully customized equipment at competitive prices, with the primary goal of guaranteeing our customer experience. We truly believe this partnership will take you to new heights!

HEADING TOWARDS NEW HORIZONS

OUR PRODUCTS

STANDARD RANGE OF DRY COOLERS

Available for both simple or double circuits (LT/HT), and based on a small but optimal choice of material and motorfan groups, our horizontal and V-shape standard ranges of dry coolers can answer most of our customers needs.

The perfect choice when adapted to customers specifications!

- 💰 Very competitive price
- 🕒 Short delivery time
- ⚡ Plug and play equipment
- 👤 Low noise emission
- ✅ High reliability



OUR PRODUCTS



Visit our website to know more about this product

CUSTOMIZED RANGE OF AIR COOLERS

Thanks to their very high technical flexibility in terms of geometry, materials, ventilation and finishing these tailor made air cooler are used for applications where our standard range is not suitable for specific environmental conditions or with the specifications and customer's needs.

Our air coolers can be flat bed (horizontal and vertical) or V-Shape.

Fin fan coolers can also be simple or double circuit LT/HT.

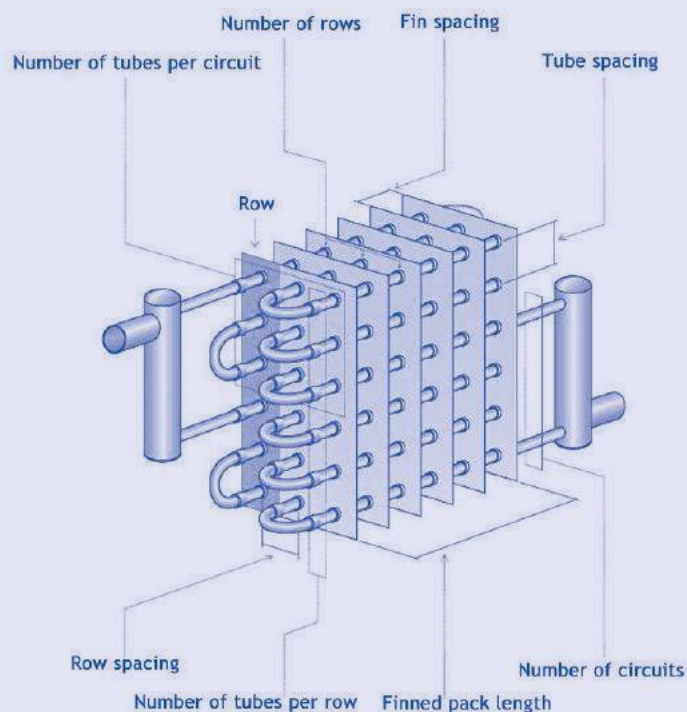
- ✓ High technical flexibility
- 💰 Competitive price
- ✂️ Plug and play equipment
- 🕒 Short delivery time

The fully flexible solution for your tailor-made projects!

PLAIN FIN TUBE TECHNOLOGY (COMPACT)



- **Heat exchange surface** based on mechanical expansion of the tubes in the fins insuring a high reliability and duration of life
- **Tube Material:** Copper, stainless steel 304, CU Ni
- **Fin Material:** Aluminium, Alu/Mg 2.5 and 3, Copper, Coated Aluminium and Blue Fin (Hydrophilic)



- **Tailor-made design** with multiple geometries available
- **Applicable design codes and certifications:** PED, PED art. 4.3, CODAP, AD2000, ASME IX

OUR PRODUCTS



EXTENDED SCOPE OF SUPPLY

In addition to air coolers, we supply a wide range of equipment with specific materials and finishings on request such as primer, hot dip galvanization, liquid or powder coating (painting class up to C5M).

This allows us to propose our customer a full package, including:

Common steel structure

Designed and manufactured according to customer specifications and local standards and rules. We can provide: Design calculation notes, supporting structure, upper access ladders and/or stairs, front and back walkways, peripheral handrails, safety doors and other elements upon request.

Interconnection piping and expansion tank

Full scope of piping and components to interconnect the modules of an air cooler including main feeding pipe (up to 30 inches diameter), picking pipes to the module's nozzles, isolation valves (all type), Dilatoflex-type expansion joints, instruments

supporting and connections.

We can also supply vents and drains with interconnection piping and necessary component such as automatic valves.

Circulation pumps

Delivered on skids, with a capacity from 100 to 1400 m³/h per pump (Usually 2×100%) with a TDH up to 90 mCE including:

Impeller and shaft

A stainless steel option is available.

Instrumentation, differential pressure gauge or transmitter

Chemical dosing tank

Adiabatic systems

Depending on the atmospheric conditions and required water outlet temperature, D'HONDT FRITERM THERMAL SOLUTIONS can propose three different types of adiabatic systems.

The target is to reach a water temperature which is lower than the ambient temperature by injecting water into the ambient air and then increasing the RH percentage.



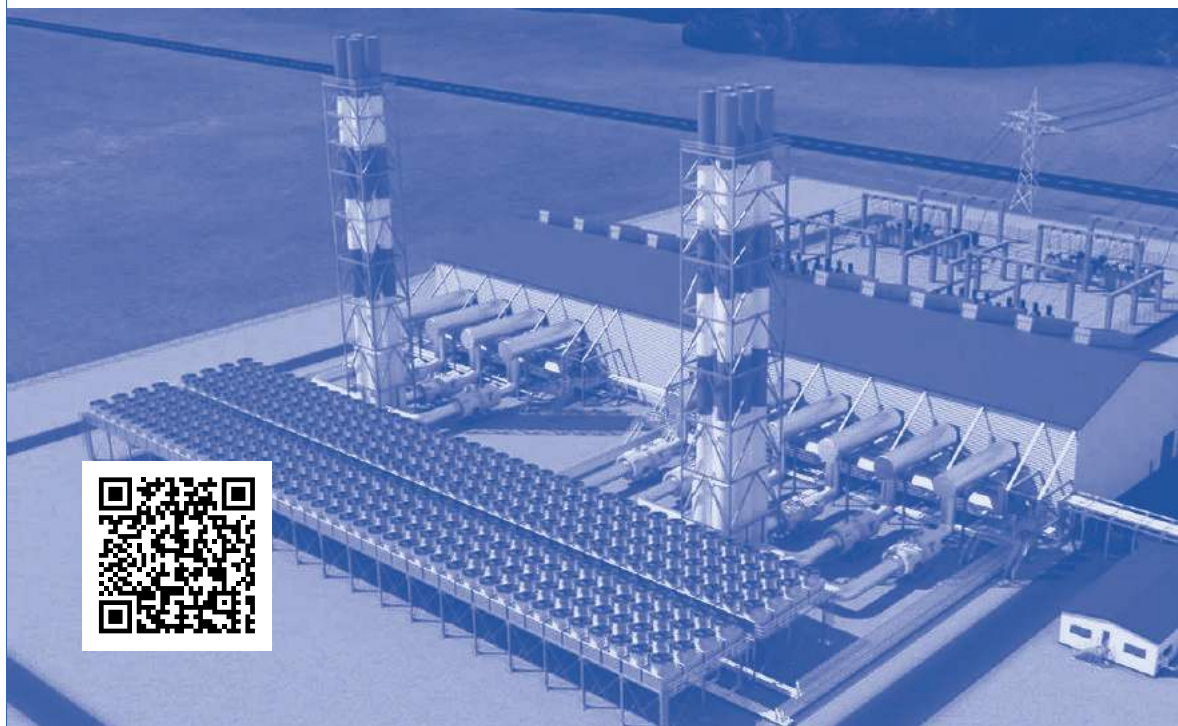
POWER GENERATION

Our products are designed to ensure optimized cooling solutions for the major components of a power plant such as:

- Diesel gas or dual fuel engine: Jacket water + lub oil (HT circuit) and aftercooler (LT circuit)
- Gas, fuel or steam turbine lubrication circuits
- Auxiliary systems coupled to engines or turbines for electricity production such as generators and temperature sensors
- Turbine Inlet Air Cooling (TIAC)
- Electrical transformers oil or water cooling
- Biomass plant: Pressurized steam condensation and sub-cooling

Our cooling solutions can be seen in most of the power generation plants including:

- Open and combined cycle power plants
- Diesel/ gas engined power plant
- Solar and waste to energy plants (biomass)
- Electricity transforming plants





DATA CENTERS

Every element of IT that consumes power produces heat as a result.

The aim of the data center cooling technology is to maintain suitable environmental conditions for information technology equipment (ITE) operations.

Achieving this goal requires removing the heat produced by ITE and transferring it to a heat sink. D'HONDT FRITERM THERMAL SOLUTIONS proposes a wide range of equipment that is appropriate for the various cooling requirements of data centers and related markets.



| OUR MARKETS AND APPLICATIONS

HVAC COILS

D'HONDT FRITERM THERMAL SOLUTIONS is a supplier of premium quality custom-made fin and tube heat exchangers for the HVAC-R industry and related industrial applications.

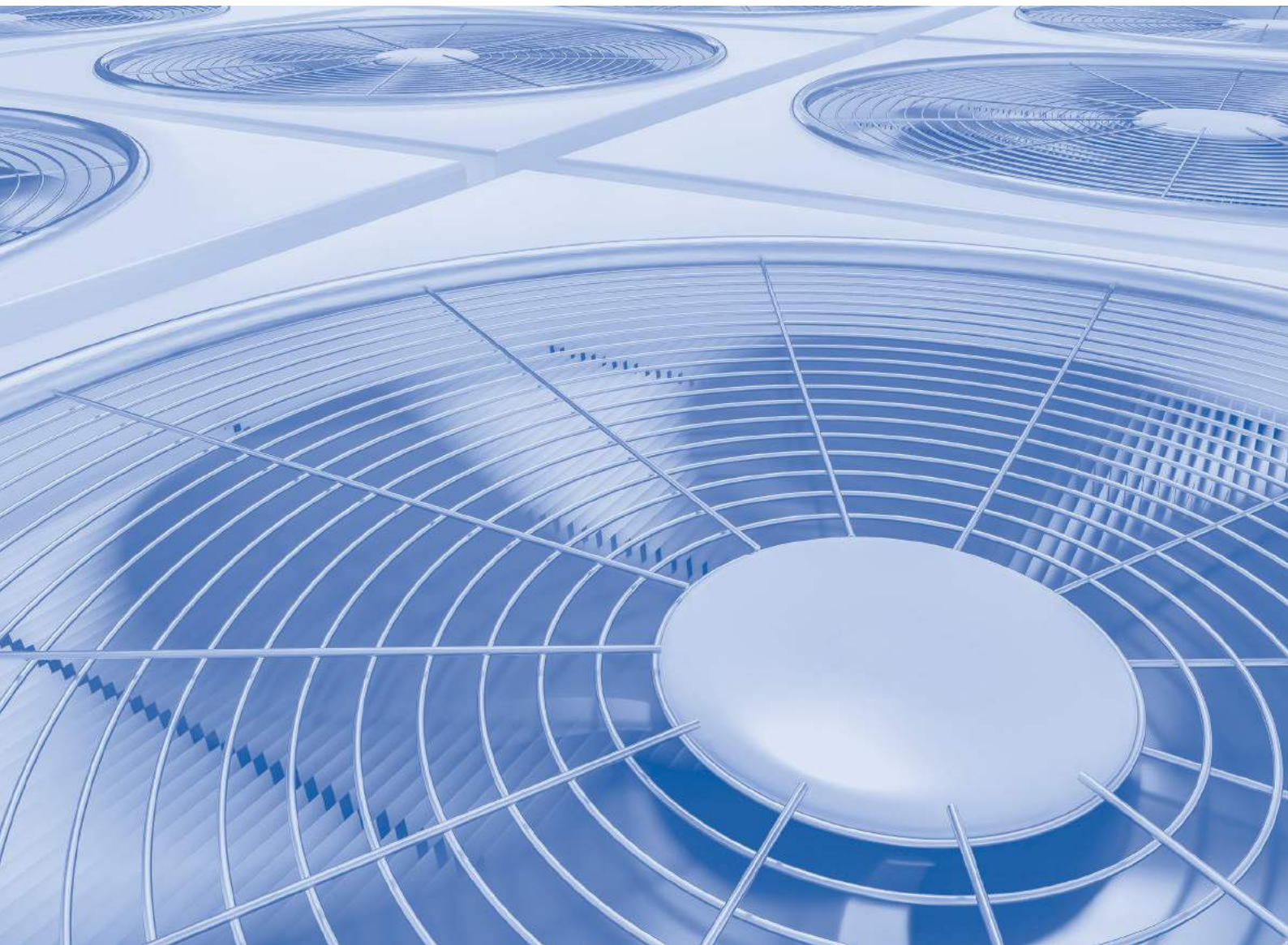
We propose a wide range of equipment for numerous applications in HVAC, refrigeration and other industries involved in cooling processes.

INDUSTRIAL REFRIGERATION

As a general classification, “natural refrigerants” are substances that exist naturally in the environment, whilst “non-natural refrigerants” or “synthetic refrigerants” are man-made chemicals.

Our product development has been focused on our natural refrigerants for many years. Our evaporator and condenser series can be designed for your operation with ammonia or CO₂.

We provide high quality products for optimal operational safety.



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