



**THERMAL
PRODUCTS** INC.
Engineered Solutions To
Industrial Applications

Competence

Innovative Eco-Friendly Products for Energy & Process Cooling

Gas Turbine Inlet Air Cooling



Combined Heat & Power



Power Plants



Biogas Plants



Oil & Gas



Renewable Energy



For More Than 80 Years...

Güntner has provided heat exchange solutions for a wide variety of applications including Industrial Refrigeration, Commercial and HVAC.

Today the Energy & Process Cooling market requires industrial grade, cost effective solutions for green field, expansion and retro-fit applications. This includes improving component/system reliability and performance. Güntner offers innovative products coupled with application knowledge and industry experience.

“The EPC group is energized to exceed your individual project requirements with a full complement of industry leading heat transfer solutions coupled with our significant industry experience and application knowledge.”



Innovative Products

Güntner continues to provide a diversity of modular, innovative products to meet the needs of the Energy & Process Cooling market.

Güntner heat exchange equipment is advanced and reliable. Our product portfolio continues to evolve and expand to provide even greater reliability while meeting ever changing industry heat exchange requirements.

Competent, reliable and personal service is a Güntner cornerstone. Güntner listens to your application needs and provides a cost effective solution to address specific project requirements. Our experience coupled with extensive application knowledge will enhance the equipment selection process.

Performance Test, Material Combinations and Special Projects

We have measurement chambers in various sizes to cover a wide performance range. We also examine different material combinations in detail for different unit types. We can verify all required tests and material checks:

✓ Seismic tests

✓ Material compatibility

✓ Usage limits

✓ Stability, strength, statics

We also have the relevant documentation, including calculation proof and documents in accordance with different standards and certificates such as ASME, UL, CE and PED.

Güntner Provides Heat Exchange Solutions for You in the Following Areas and More:

Power Plants

A modern power plant achieves maximum power output using a primary energy source. These plants cannot function without the use of heat exchange equipment. Güntner products are used for a variety of plant processes requiring critical heat exchange equipment.



Gas Turbine Inlet Air Cooling

Increasing the gas turbine power output for high ambient temperatures is accomplished by cooling the entering air flow into the filter house via heat exchange coils. Güntner provides OEM cooling coils to meet the stringent requirements specified by the customer for the specific location and application.



Electrical Distribution

Electrical distribution and transformers play an important role in the electrical grid to transfer power. A high demand is placed on all of the components that support this portion of the power infrastructure. Güntner heat exchangers are reliable and fail safe to meet the demands of this application.



Renewable Energy

In all areas of the current global energy discussion, it is clear renewable energy technology will play an increasingly important role. Environmentally friendly energy production is essential. It must also use smart, cost effective components throughout the plant. Güntner heat exchange equipment coupled with our application specific controls ensure an energy optimized heat exchange solution.



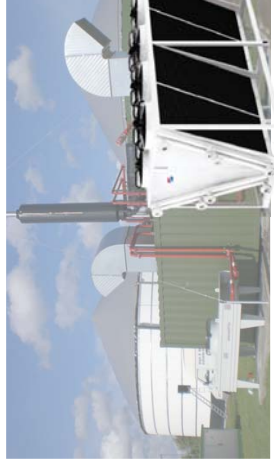
Oil & Gas

Oil and gas production require multiple processes which in turn requires different heat exchange equipment for cooling. In addition, this area has extremely diverse applications around the world coupled with different requirements. Güntner products can be optimized for site specific conditions using our application knowledge for materials of construction and modular unit design.



Biogas Plants

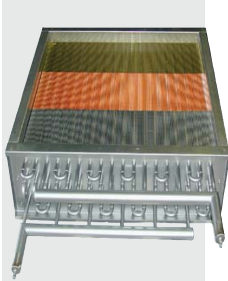
Bio-energy is also increasing its role in the energy market. This technology will contribute towards a sustainable climate for our planet. Biogas combustion engines are typically installed in space saving containers and delivered as a complete system. Güntner heat exchange solutions are ideal for this application since they are modular and provide high heat transfer rates in a compact design.



Diverse, Modular Heat Exchange Solutions

The diverse spectrum of Guntner heat exchangers and modular approach enable this equipment to meet a wide variety of customer specific applications. The units are manufactured in a ready to operate state and can typically be transported to the site location on a standard, non-permit truck. Our experience and knowledge can help you select the best equipment for your application.

GCO finoox® heat exchanger coil



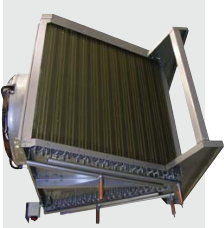
The Guntner fin and tube (finoox®) heat exchanger offers high flexibility with overall dimensions, materials of construction and heat transfer fluids.

Hybrid Wet / Dry Cooler



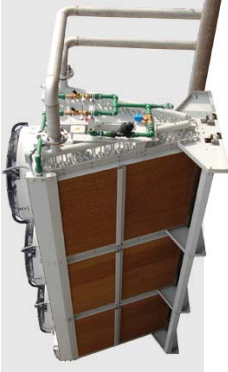
This cooler utilizes 70% to 90% less water than a full evaporative product while providing the highest heat exchange capacity during wet mode.

GFW Multi-Coil Dry Cooler



This dry cooler utilizes a space saving modular design which enables several units to be placed in a row while providing excellent heat exchange capacity in a reduced, overall footprint.

ACS Adiabatic Cooling System



This cooler utilizes a fraction of the water required for full evaporative cooling and significantly increases heat exchange capacity in comparison to a dry cooler.

GFV / GW Vertical Dry Cooler



This dry cooler is the ideal solution for applications that require horizontal air discharge.

GFH / GVH Horizontal Dry Cooler



This dry cooler provides excellent heat exchange capacity, low fan energy and unit profile.

GFD V Coil Dry Cooler



This dry cooler provides the highest heat capacity in a single unit than any other Guntner dry cooler.

Innovative Controllers

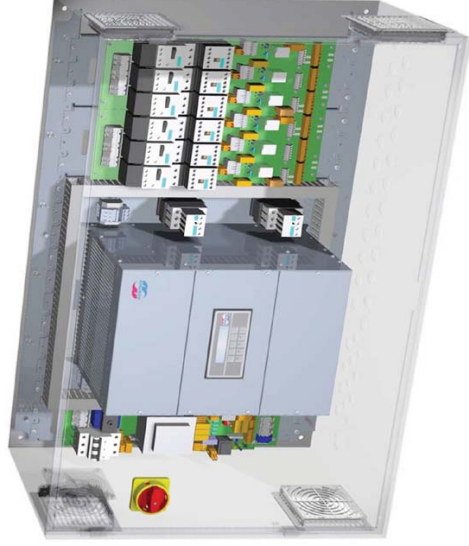
Güntner controllers are designed to deliver extended functions of the Güntner Motor Management (GMM) and provide the following additional benefits:

- BUS interface for master control systems (i.e. integration into remote maintenance systems)
- Monitoring important operational component functions
- Operating parameters and fault reports (on the screen display)
- By-pass function for continuous operational reliability
- GMM Sincon with all-pole sine filter for maximum AC motor life
- Maximum energy efficiency via set point shifting

The Güntner Motor Management (GMM) controller provides an efficient solution when using AC motors. Integrating the Güntner VFD (Sincon) minimizes (even further) the energy consumption of each AC motor.

The Güntner Motor Management (GMM) controller incorporates the following features and more:

- Remote monitoring
- Operational and fault signaling
- Modbus compatibility
- Plug and play system with automatic motor programming
- Set point changeover and/or night time limiter
- Automatic By Pass operation



Factory wiring of all motors and controllers are performed in our UL 508 certified shop.



Cost Effective, Efficient Heat Exchange Solutions

Environmental protection is a corporate goal at the Güntner Group. Accepting responsibility for the environment also means offering customers environmentally and resource friendly solutions to provide for a better quality of life, today and tomorrow.

✓
No water consumption
- Save on operating costs
- No Legionella-related risks

✓
Low power consumption
- Modern fan technology
- Efficient system solution

✓
Low noise level

Global Presence

Being your partner, we are committed to offering you global support. We speak the language of your market and understand your local requirements and regulations.



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