The THERMAL CARE Portable Accuchiller Family

Accuchiller EQ - 1 to 3 ton
Accuchiller NQ - 4 to 40 ton

**Outdoor**
Features include outdoor-duty paint, galvanized metal components, and entirely weatherproof controls.

**Premium Control Panel**
Available C-UL 508A industrial control panel with high-quality components that are safe and built to last.

**Durable**
Stainless steel pump, evaporator, and non-ferrous water circuit for trouble-free long life of the chiller.

**Extreme Efficiency**
Available variable-speed scroll compressor provides outstanding part-load efficiency and capacity control.

**Proven Reliability**
Direct drive scroll compressor ensures low maintenance and high efficiency.

**Elite**
Features include an all stainless cabinet, stainless fasteners, and non-marking casters.

**Precision**
Features include white cabinets, stainless fasteners, and non-marking casters. Calibration certificates are also included for precise temperature control compliance.

Portable Chillers are available for many different types of applications and industries.

www.thermalcare.com
The THERMAL CARE Central Chiller Family

**Accuchiller TC** - Variable Speed Centrifugal Compressor
**Accuchiller TSE** - Scroll Compressor
**Accuchiller MX** - Rotary Screw Compressor

**CONNEX4.0**
Available CONNEX4.0 capable for remote monitoring and multi-unit system control

**Advanced PLC**
System with large color touch screen for precise control and remote monitoring

**Dynamic Lift**
Adaptable control technology for increased part-load efficiency with automatic lead/lag sequencing

**Premium Control Panel**
C-UL 508A industrial control panel with high-quality components that are safe and built to last

**Corrosion Resistant**
Stainless steel brazed plate evaporators for efficiency and corrosion resistance

**Compact Design**
Easy to locate in your facility with modular design for easy expansion for systems up to 1,500 tons of cooling

**What CONNEX4.0 will do for you**
Integrated connectivity and secure remote access for all of your equipment.

CONNEX4.0 provides secure remote access and control to all connected equipment so you can have confidence your process is running smoothly no matter where you are. Plus, alarms or warnings are in real time to help you respond quickly in scheduling maintenance for added peace of mind.

www.thermalcare.com
The THERMAL CARE Pump System

**PT Series** - 250 to 6,000 gallons

**Reliable**
Discharge check valves stop supply line flow-back at shut down

**CONNEX 4.0**
Available CONNEX 4.0 capable for remote monitoring and multi-unit system control

**Advanced PLC**
System with large color touch screen for precise control and remote monitoring

**Durable**
Stainless steel or fiberglass reservoir construction provides corrosion resistance

**Damage-resistant**
Anti-vortex suction legs ensure no pump damage due to air entrapment

**Custom Options**
Wide range of pumps, manifolds, valves, filter, and control options to meet every process need

**Advanced PLC Control System - CONNEX 4.0 Ready**
Each PLC communicates with THERMAL CARE’s plant-wide central monitoring system.

The PLC controls, monitors, and maintains stable and reliable operation of the pumping system. A durable color touch-screen HMI displays a variety of operational screens for an uncomplicated view of the system, including time stamped faults or alarms and compressor and pump hours.

**Features include:**
- LCD color touch screens
- Remote monitoring from any computer or mobile phone
- Expandable multiple system control
- Controls including Alarm Status, Compressor Staging, Remote Start/Stop, and more

Available CONNEX 4.0 Main Screen

www.thermalcare.com
The THERMAL CARE Cooling Tower Family

**FC Series** - 100 to 240 tons
**FT Series** - 38 to 120 tons

- **High Temperature**
  Available high temperature fill for demanding process applications (FC Series)

- **Effortless Operation**
  TEAO direct-drive motor eliminates need for belts, pulleys, or gear box maintenance

- **Corrosion-resistant**
  Rugged UV stabilized fiberglass shell and stainless steel fasteners resist corrosion and hard weather conditions

- **Durable**
  PVC fill and internal piping for long life and low maintenance

- **Reliable**
  10 year fiberglass shell warranty, 5 year warranty on fan motor (FC Series)

Our sales and support teams are ready! Give us a call today 847-966-2260

www.thermalcare.com
The THERMAL CARE Adiabatic Fluid Cooler

**HFCG** - 50 to 500 tons

**Minimum Water Usage**
During higher outdoor temperatures, the system calculates the precise amount of water needed and adjusts for peak performance.

**Adaptive Fan Motors**
Regulates fan speed to maintain set point, using the minimum amount of fan energy necessary for peak efficiency.

**Premium Control Panel**
C-UL 508A industrial weather proof control panel with high-quality components that are safe and built to last.

**Energy Efficient**
For most of the year ambient air is circulated across the coils, eliminating the need for water evaporation at lower outdoor temperatures.

**Fully Wetted Adiabatic Pads**
Uses full size, externally mounted, completely saturated adiabatic pads for maximum cooling with the least amount of water consumption.

**Closed Loop System**
Circulates fluid inside the coil tubes isolating it from ambient contamination and minimizing the potential for scale build-up from evaporation.
Water Treatment Systems

The THERMAL CARE line of water treatment and filtration equipment

Water Treatment System

TWC Series

*Single point monitoring and control of corrosion inhibitor, biocide, and bleed-off.*

**Features:**
- Tower water conductivity is monitored and purges dirty, scale-producing water from the system
- A powerful microbiocide is added at timed intervals to kill all algae-producing bacteria
- Corrosion inhibitors are added to protect all metals in the tower system

Filtration Equipment

**Features:**
- Economical and dependable options for water filtration
- Heavy duty suspended solids are removed from both cooling tower and chilled water systems

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Filtration Equipment

**Features:**
- Tower water conductivity is monitored and purges dirty, scale-producing water from the system
- A powerful microbiocide is added at timed intervals to kill all algae-producing bacteria
- Corrosion inhibitors are added to protect all metals in the tower system

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Plate and Frame Heat Exchanger

HX Series

*Provides clean, closed-loop water when used in conjunction with a cooling tower or chiller system to reduce operating and maintenance costs.*

**Features:**
- High efficiency from specially designed stainless steel corrugated plates
- Low initial cost and expandable if cooling load increases
- Large heat transfer area and minimum fouling with less downtime

www.thermalcare.com
THERMAL CARE offers a full line of quality fluid cooling solutions including custom tank systems that can be equipped with plate and frame heat exchangers to isolate your Quenchant from the coolant. Our extensive customer service network, highly skilled engineering support, and quick order processing prove THERMAL CARE the industry’s right choice.

Our History
Starting in 1969, THERMAL CARE continues to be on the leading edge of process cooling technology with energy saving and cost efficient product designs. While providing heat transfer equipment to more than 50 industries, THERMAL CARE specializes in meeting the specific needs of all customers by offering both standard and custom designed industrial process cooling solutions.

Whether you need a portable chiller, a plant-wide system, or help troubleshooting a problem, THERMAL CARE is here to help you through every step of the process.

Customer Support
Our customer service reps are trained technicians that can promptly diagnose a problem over the phone. They have direct access to information about all of your equipment including bills of material, CAD drawings, and equipment service history through our computer database. If a plant visit is needed, THERMAL CARE has an extensive network of service companies that can usually provide same day service.

Our parts department has a large inventory of available parts enabling us to have 99.5% same day shipments.