



**THERMAL  
CARE** 

**Accu** *chiller*

**EQ**



**Air-cooled  
and water-cooled  
portable chillers**

## EQ Series portable chillers

Available in air-cooled and water-cooled models in sizes from 1/2 to 3 hp. These units feature nonferrous construction, a compact footprint with easily accessible interior, and a microprocessor that provides precise temperature control and extensive diagnostics. Most models are readily available from stock for fast delivery.

### Horsepower Range

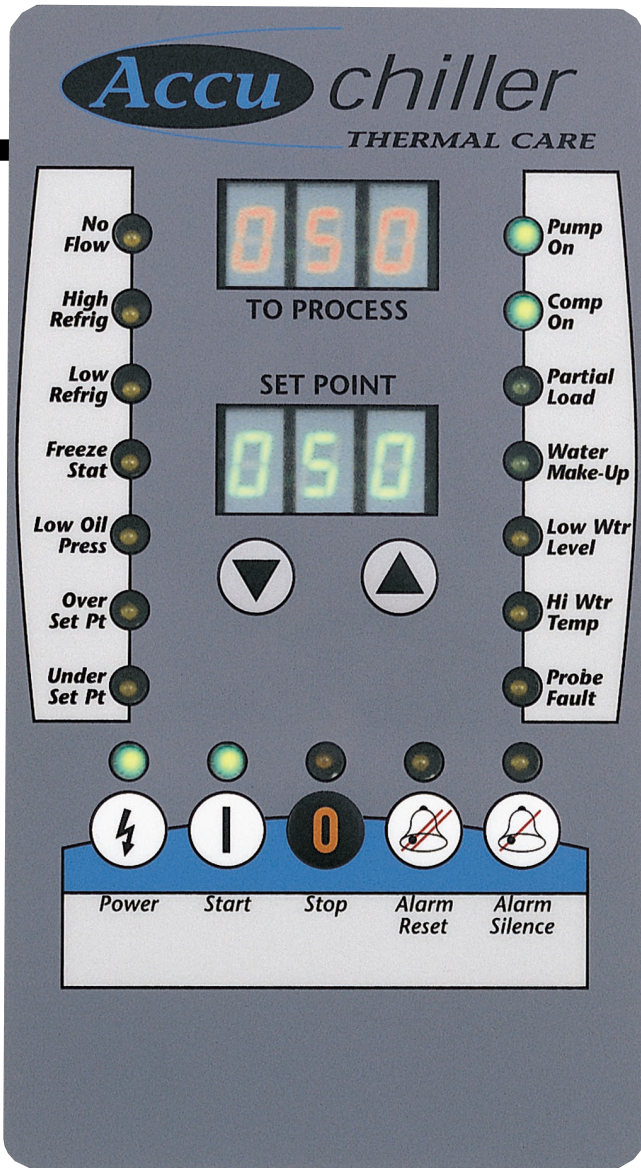
Air-cooled units  
1/2-3 hp  
Water-cooled units  
2-3 hp



#### Standard features include:

- **Nonferrous construction** – includes evaporator, pump, reservoir and piping to resist corrosion
- **Microprocessor controller** – provides diagnostics and accurate temperature control
- **Air-cooled condenser** – generously sized air-cooled condensers for industrial environments with ambient temperatures up to 115°F
- **Internal insulated polyethylene reservoir** – comes with large capacity and a removable top
- **Condenser discharge fan** – discharges air quietly through top of unit
- **Hot gas bypass** – provides accurate capacity control and extends compressor life
- **Process Y-strainer** – protects the evaporator from contaminants in the water
- **Stainless steel brazed plate evaporator** – guards against system freeze-up
- **External sight glass/fill connection/drain connection**
- **Water regulating valve** – keeps refrigerant pressure constant (water-cooled units only)
- **Smaller footprint** – takes up less floor space than chiller units from other manufacturers
- **Easily removable side panel** – allows for easy access to interior components
- **Evaporator freeze-up protection** – reduces potential for evaporator damage from freezing





## The accurate Accuchiller microprocessor control system

Exclusive Accuchiller control systems have been designed for portable chiller applications. The entire panel is simple to understand and operate without confusing codes or unnecessary lights.

The unique four-plug wiring design allows the entire control board to be easily replaced within minutes. Plus, the control panel overlay has been completely sealed against possible contamination from dust, dirt or water.

### Standard controller features:

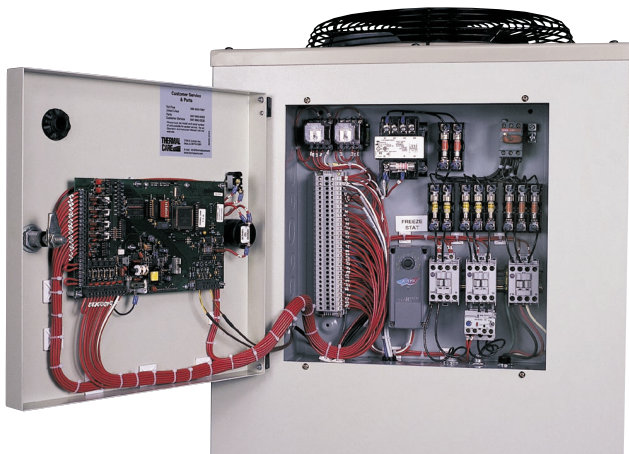
Accuchiller portable chiller control systems come standard with the following features:

- 19 operational and diagnostic lights
- Two easy-to-read LED digital displays show "To Process" and "Set Point" temperatures
- Manual reset of safeties from front panel eliminates need to open chiller cabinet
- Thirty minute deviation delay stops nuisance alarms during start-up and set point changes
- 2.5 minute compressor cycling delay prevents short cycling
- PID control program provides  $\pm 1^\circ\text{F}$  accuracy
- High/low temperature deviation
- Power failure indicator signals brown out
- Easily switches between  $^\circ\text{F}/^\circ\text{C}$  temperature readouts from front panel
- Low-flow protection
- High temperature indicator

### Optional controller features:

Add these optional controller features for even greater portable chiller functionality:

- Hand-held, remote control operator panel
- SPI communications
- Audible alarm
- "From Process" temperature readout
- Remote alarm contacts
- Remote on/off contacts



All Thermal Care EQ Series portable chillers come standard with a NEMA 1 electrical enclosure to protect microprocessor and chiller wiring. High quality electrical components meet IEC electrical standards and are fully tested before shipping. Disconnect switches, UL certification and NFPA-79 are affordable options.

**EXCEPTIONAL  
WARRANTY COVERAGE—  
AT NO EXTRA COST**

No manufacturer offers better or more comprehensive warranty coverage – warranties include:

- One full year on labor
- Eighteen months on parts
- Five full years on microprocessor with lifetime controller exchange price of \$175



### Other portable chiller models available.

Check out the complete line of dependable Accuchiller portable chillers from Thermal Care, Inc. The LQ Series and SQ Series come in air-cooled, water-cooled and remote condenser models. Available in sizes from 5 to 40 tons.

## Big selection of process cooling equipment.

### Pump/Reservoir Systems

Every pump/reservoir is custom engineered for each application.

Reservoirs are available in fiberglass, steel or stainless steel in capacities to 6000 gallons.



### Fiberglass Cooling Towers

FC Series cooling towers are constructed totally of corrosion-resistant materials. Towers come with a 10-year shell warranty and a 5-year warranty on the complete tower, including the motor.



### Central Chillers

Water-cooled and remote condenser multiple circuit units are available with scroll, screw or discus compressors. All Thermal Care central chillers come standard with a PLC and a NEMA 4 control panel.

### Temperature Control Units

Our complete line of affordable temperature controllers includes *Aquatherm* water temperature controllers, *Oiltherm* hot oil temperature controllers and *Vactherm* positive/negative pressure temperature controllers.



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