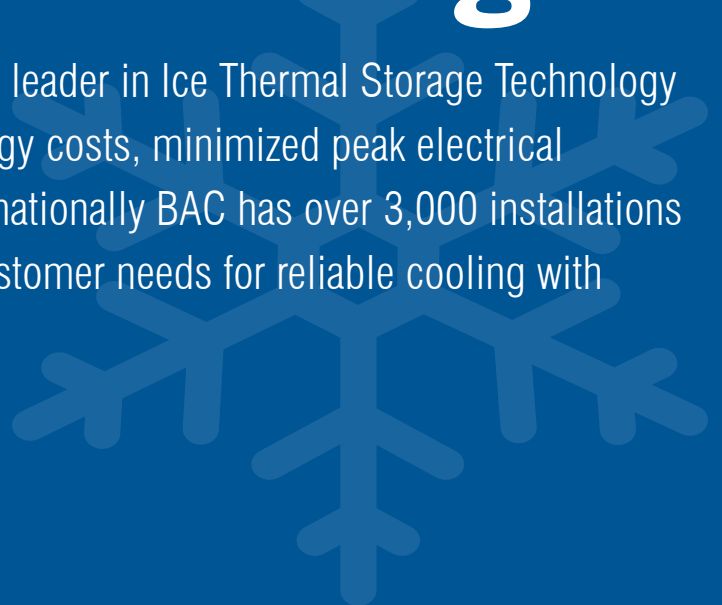




Ice Thermal Storage

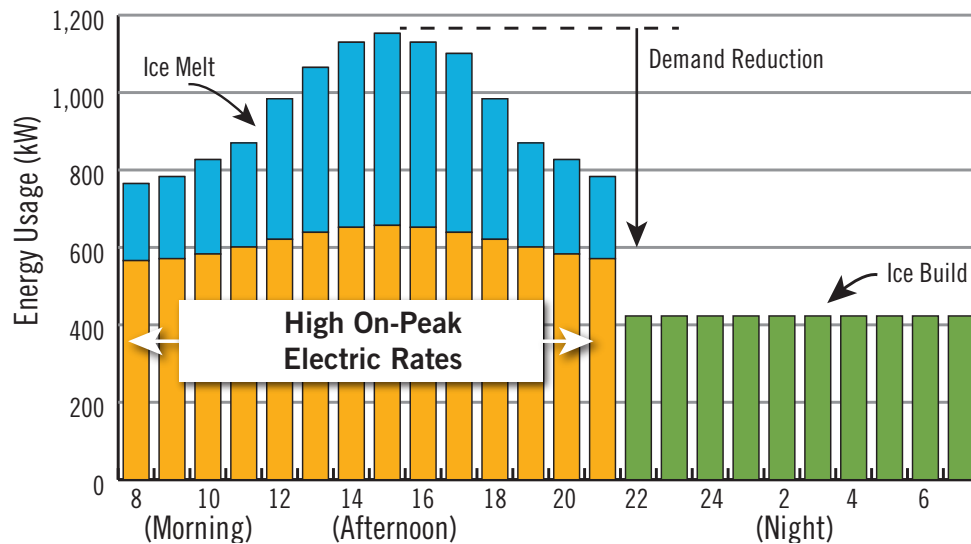
Baltimore Aircoil Company is the world leader in Ice Thermal Storage Technology providing customers with reduced energy costs, minimized peak electrical demand, and lower system costs. Internationally BAC has over 3,000 installations and 30 years of experience meeting customer needs for reliable cooling with energy savings.



Ice Thermal Storage

› Benefits of Ice Thermal Storage

Ice Thermal Storage Load Shifting: How to Lower Peak Demand by 40% or More



Electric demand profile with load shift for typical building with ice thermal storage

✓ Reduce Cooling Costs

- Minimize high daytime electric demand charges and energy rates by melting ice during peak times
- Ice is built at night taking advantage of lower ambient temperatures and lower cost electricity

✓ Earn Utility Incentives

- Ice thermal storage is an excellent application to capture utility rebates and demand response revenues

✓ Lower First Cost and Energy Consumption with Colder Supply Water

- Minimize the size of piping, air handling equipment, and ducting
- Reduce pumping and fan energy consumption

✓ Opportunity to earn LEED® Points

- LEED credits are available in a multiple categories, including points for optimized energy performance and demand response designs

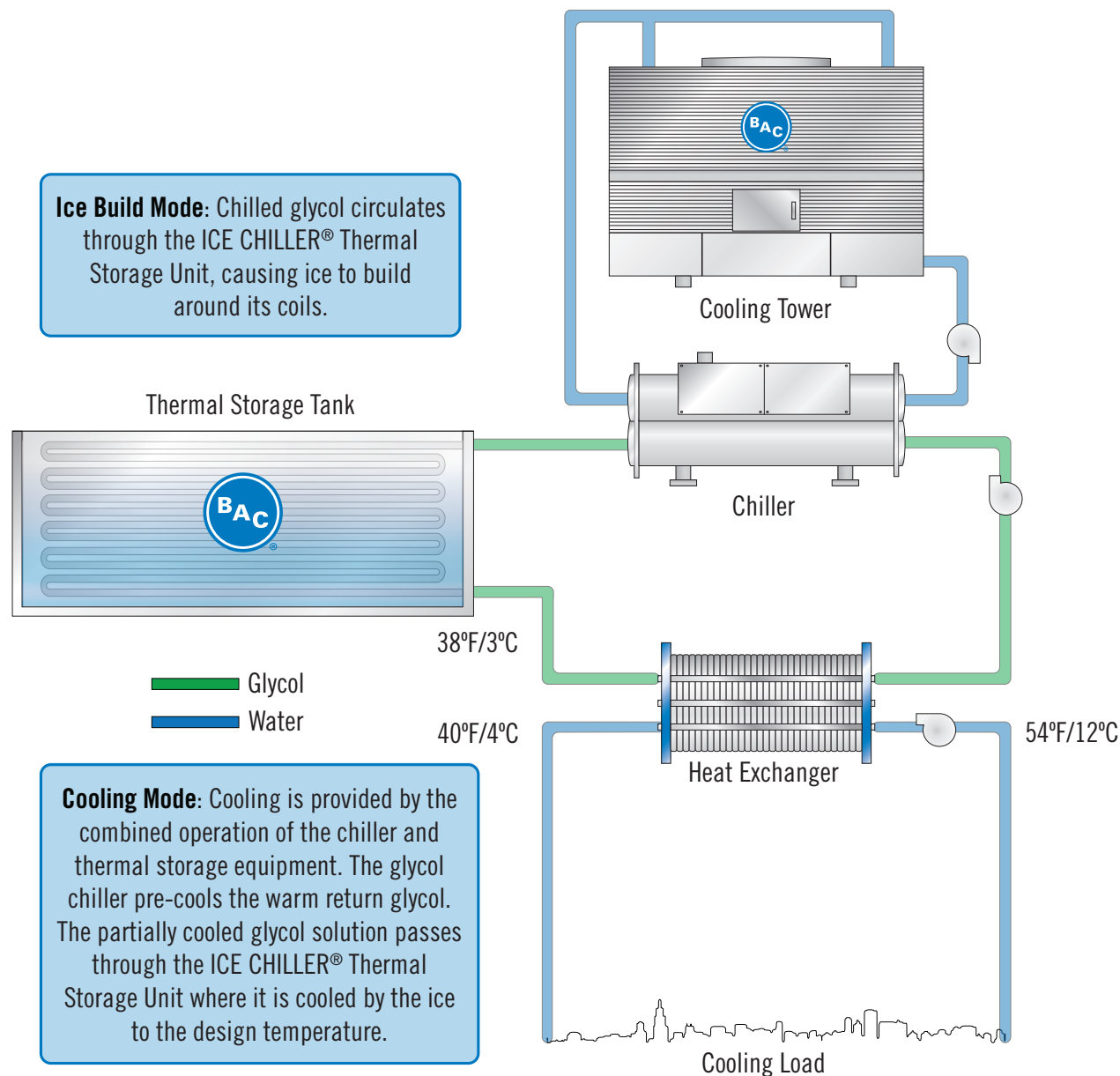
✓ Environmentally Conscious Design

- Lower refrigerant charge reduces impact on the ozone
- Energy created at night utilizes cleaner and more efficient production processes

✓ Minimize Storage Footprint

- Ice uses 75% less space compared to chilled water storage

> Putting it All Together with BAC



System Schematic for Internal Melt Ice Thermal Storage

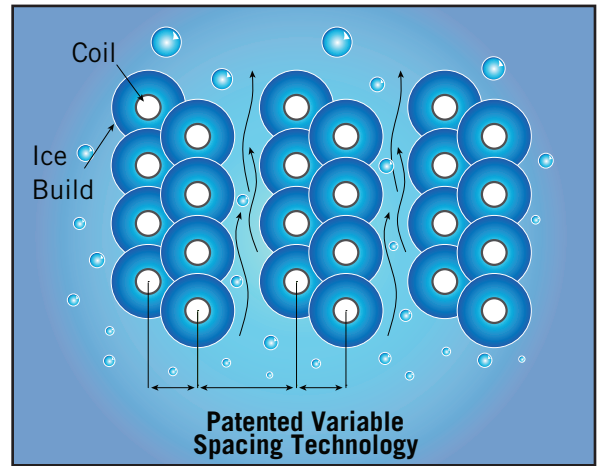
BAC provides ice thermal storage products for a variety of applications including HVAC systems, district and campus cooling, industrial processes, and emergency cooling.

> BAC Offers the Widest Selection of Ice Thermal Storage Products

- ✓ Internal melt and external melt options
- ✓ Full assembled modular units
- ✓ Custom coils
- ✓ Flexible layout options including stackable configurations

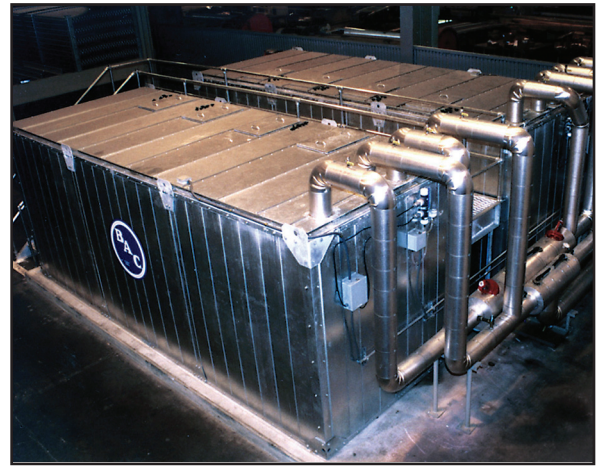
> Better by Design

Constructed of hot dip galvanized steel after fabrication (HDGAF) and pressure tested to 375 psi, our unique coil design minimizes ice overbuild and provides reliable build and melt cycles.



> Modular Ice Storage Tanks

BAC's Ice Chiller® Thermal Storage Units are constructed with G235 galvanized steel casing panels, our patented coils and 4 1/2" thick polystyrene insulation. A single unit can provide over 60,000 lbs of ice.



> Custom Coils

Custom coils ship without a casing, giving customers unmatched flexibility for project layout and space saving designs. For a complete selection of BAC's product offering and the benefits of ice thermal storage, contact your local BAC Representative.



**BALTIMORE
AIRCOIL COMPANY**

www.BaltimoreAircoil.com

7600 Dorsey Run Road, Jessup, MD 20794 > Telephone: (410) 799-6200 > Fax: (410) 799-6416