

BALTIMORE AIRCOIL COMPANY



TrilliumSeries™ Adiabatic



Trillium Adiabatic: Best solution for natural refrigerants



Unrivaled Efficiency & Flexibility

- Best in class for Water & Energy efficiency
- Suitable for all refrigerants:

> CO2

- > NH3
- > Hydrocarbons
- › Glycol

Why Adiabatic?

Air Cooled

Tracks Dry Bulb

- Simple
- No water use

Evaporative

Tracks Wet Bulb

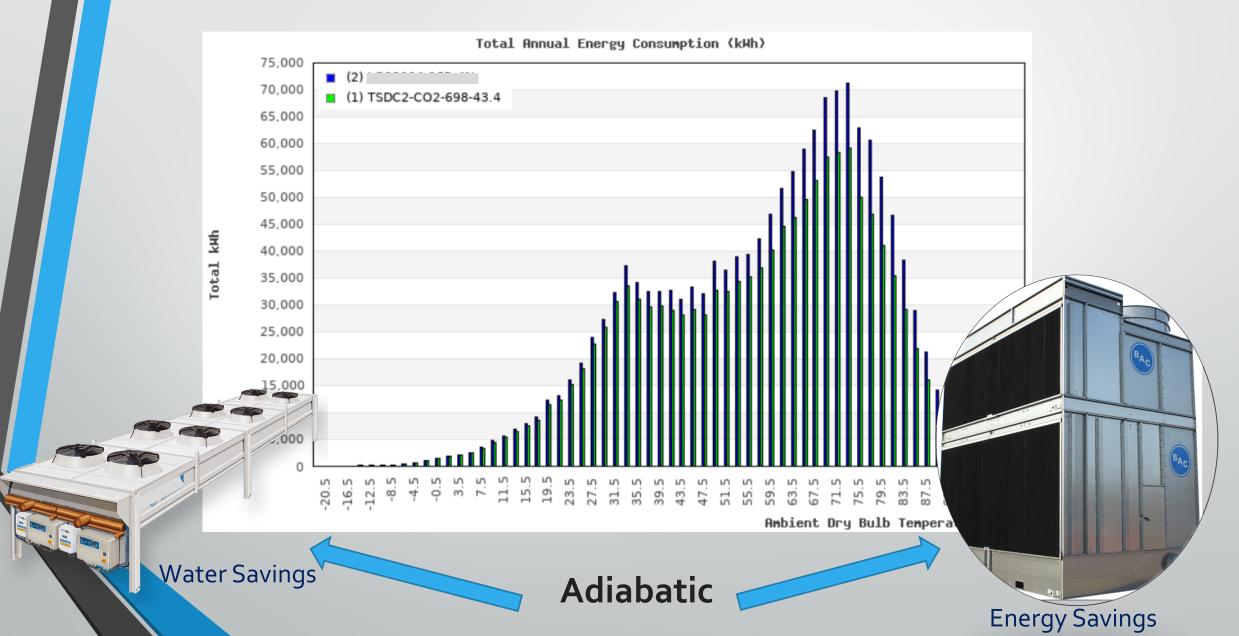
- Extremely efficient
- Water use & treatment

Air Cooled

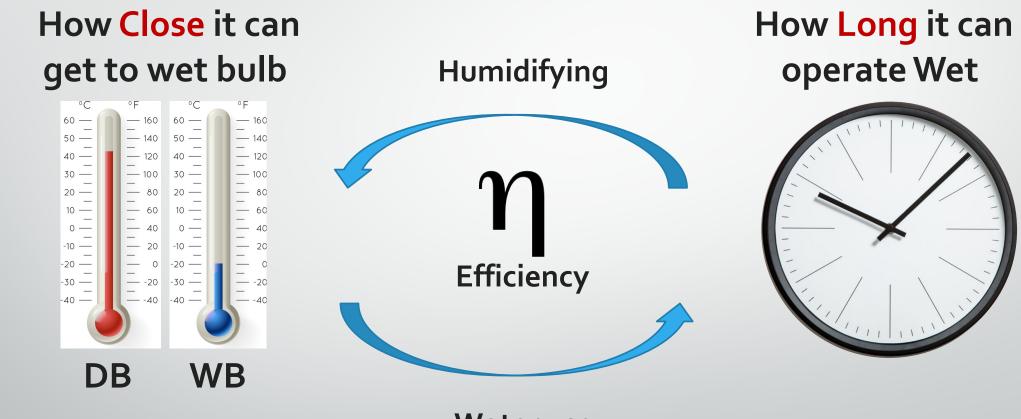
Evaporative

-

Why Adiabatic?



What determines Adiabatic Efficiency

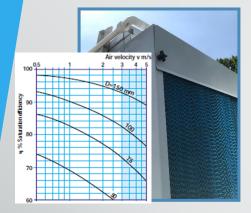


Water use



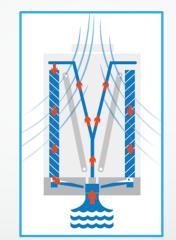
Why Trillium?





Unrivaled Humidifying Efficiency

Coldest incoming air



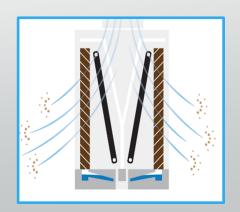
Highest Water Use Efficiency

Prolonged wet operation



Best-in-class std MOC

EC Fans Integrated Controls Coated fins & pads Stainless Steel / TSHP



Exclusive Features

Self-clean Protocols Cleansing Cycles Backup Connections 1000 + Installations!



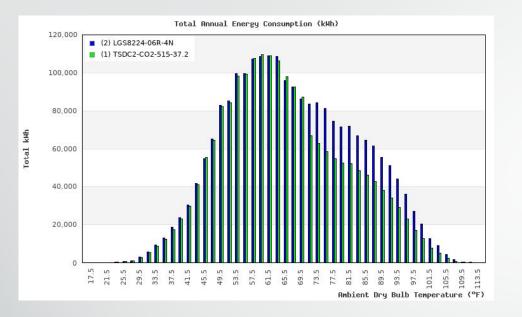




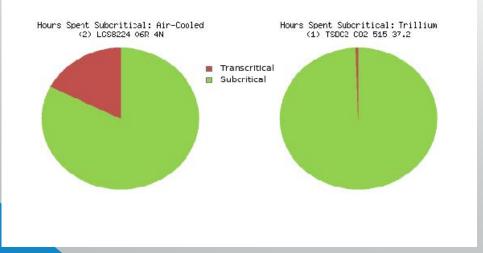
Food Process Facility in the California Central Valley

- CO₂ Transcritical System
- 116,000 sqft Refrigerated Space
- 550,000 lbs Processed Daily
- 1,880 Refrigeration Tons
- 3 Suction Levels
 - > LT: 545 tons, -15 F SST
 - > MT: 815 tons, +20F SST
 - > HT: 520 tons, +38F SST





Subcritical vs. Transcritical Comparison; Air=Cooled vs. Trillium



Savings vs Air-Cooled

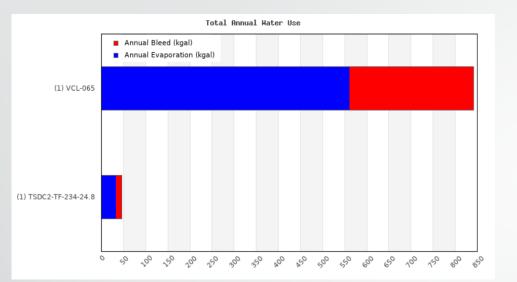
- 99.9% of year in sub-critical operation.
- 2,604 kW reduced Peak Demand (59% reduction)
- 1,527,841 kWh reduced Total Energy Consumption (15% reduction)
- Over \$500,000 yearly savings!
- Annual CO2-e Tons saved: 472 (98 Cars off the road!)

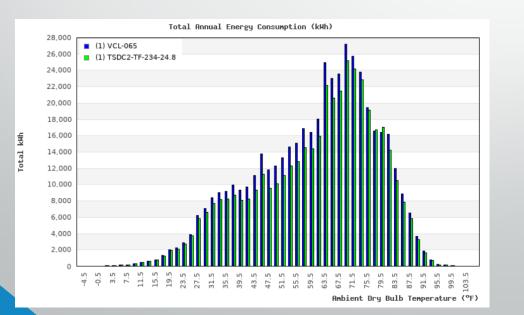




Supermarket in the Southeast

- Evaporative Fluid Cooler Replacement
- 11 Glycol-Cooled Refrigeration Stations Throughout Store
- 67 tons of refrigeration
- 840 kgal/yr water consumption





Savings vs Evaporative

- 95% Water use reduction.
- Water treatment expenses eliminated.
- 8 kW reduced Peak Demand (10% reduction)
- 47,004 kWh reduced Total Energy Consumption (10% reduction)
- Almost \$16,000 yearly savings!
- 795,000 gal/yr water consumption saved!



BALTIMORE AIRCOIL COMPANY

