Combining the best of wet and dry cooling, TrilliumSeries™ Adiabatic Products optimize energy and water savings for commercial and industrial refrigeration applications.

**EC Fans**
- Highest efficiency, maintenance-free, whisper-quiet, and factory-wired.

**EcoFlex™ Controls**
- Plug and play, self-contained capability, optimized energy and water savings, communication protocol flexibility, and automatic unit self-cleaning.

**Pre-Cooler Pads**
- Highest efficiency pads for the coldest air possible minimizes fluid temperatures and compressor energy usage year-round.

**Discrete Make-up**
- Emergency backup water supply connection.

**Coils**
- Corrosion-resistant coated fins as standard.
- Flexibility in materials of construction to best suit CO₂, HFC, Ammonia, and fluid cooler applications.

Over 10 years of proven performance with thousands of installations worldwide.

**CO₂, Ammonia, and Fluid Cooler Models Now Available**
**TrilliumSeries™ Adiabatic Products**

**MODES OF OPERATION**

**WARM AMBIENT TEMPERATURE**

**PRE-COOLED MODE**
When the unit is in Pre-Cooler mode, water is evenly distributed over the highly-efficient Pre-Cooler Pads. The air is cooled to 1-3°F above the wet-bulb temperature. Such substantial depression of the air temperature results in a significant increase in dry cooling capacity and energy efficiency.

**COOL AMBIENT TEMPERATURE**

**DRY MODE**
When the ambient air is below the custom setpoint based on location, the unit is automatically drained and runs in dry mode to optimize water savings. No winterization needed.

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**AUTOMATICALLY MINIMIZE MAINTENANCE WITH TRILLIUMSERIES™ ADIABATIC PRODUCTS**

**CLEANSING CYCLES**
Periodic cleansing cycles during wet mode prevents scaling and maintains water quality.

**SELF-CLEAN PROTOCOLS**
In addition to the cleansing cycles, fans run in reverse once daily to prevent clogging and maintain performance.

**UNIQUE, EASY-TO-REMOVE COATED PADS**
UV & algae resistant pads, thickest in the industry, provide unrivaled system efficiency. Toolless and no-struggle frame enables easy removal for coil inspections.

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**EXCLUSIVE FEATURE**

**Cleansing Circulation:** Water enters the unit and remains in circulation until it is drained and replaced every two hours, not remaining still. The TrilliumSeries™ is developed to achieve maximum adiabatic cooling while reducing the potential for uncontrolled bacterial growth.*

*TrilliumSeries™ Adiabatic Products are not subject to NY State Subpart 4-1 Regulations.
TrilliumSeries™ Adiabatic Products
THE BEST CHOICE

AMMONIA
Save up to 90% of water and reduce charge when compared to traditional evaporative products.

HFC/CO₂
Save up to 44% energy compared to air cooled products. For CO₂ systems, stay subcritical in most climates.

NEW! FLUID COOLER
Reduce charge and footprint when compared to typical condenser system design. Supports use of hydrocarbon applications.

MAXIMIZE ENERGY SAVINGS FOR COMMERCIAL REFRIGERATION APPLICATIONS
TrilliumSeries™ Adiabatic Products are always the best heat rejection solutions compared to traditional air-cooled condensers. They automatically optimize water and energy savings while delivering the lowest total cost of ownership with easy maintenance.

MAXIMIZE WATER SAVINGS FOR INDUSTRIAL REFRIGERATION APPLICATIONS
Evaporative condensers are the industry standard energy-efficient option for your refrigeration system. For those looking to maximize water savings while still saving energy, TrilliumSeries™ Adiabatic Products are the solution for you.

REDUCE SYSTEM CHARGE WITH FLUID COOLER MODELS
All TrilliumSeries™ models allow you to reduce system refrigerant charge vs. traditional air-cooled equipment. To further reduce system refrigerant charge, a TrilliumSeries™ Fluid Cooler can be combined with a fluid loop to reject heat, while still taking advantage of the TrilliumSeries™ benefits including water and energy savings, low condensing temperatures, and easy maintenance.

THE BAC DIFFERENCE
BEST-IN-CLASS SUPPORT
CUSTOMIZED SELECTION
ON-SITE STARTUP
WARRANTY

TITLED 24 HOUR RESPONSE
### TrilliumSeries™ Adiabatic Products

#### ENGINEERING DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>Fan Qty</th>
<th>Tons (1)</th>
<th>Motor HP (2)</th>
<th>Unit Length (L)</th>
<th>Unit Width (W)</th>
<th>Unit Height (H)</th>
<th>Operating Weight (lbs) (3)</th>
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</thead>
<tbody>
<tr>
<td>TSDC-xxx-3</td>
<td>1</td>
<td>15-27</td>
<td>3.0</td>
<td>5'-3&quot;</td>
<td>4'-2&quot;-5'7&quot;</td>
<td>7'-0&quot;</td>
<td>1,500-1,990</td>
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<tr>
<td>TSDC-xxx-6.2</td>
<td>2</td>
<td>26-45</td>
<td>6.2</td>
<td>7'-11&quot;</td>
<td>4'-2&quot;-5'7&quot;</td>
<td>7'-0&quot;</td>
<td>2,000-2,690</td>
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<tr>
<td>TSDC-xxx-9.6</td>
<td>3</td>
<td>37-65</td>
<td>9.6</td>
<td>11'-1&quot;</td>
<td>4'-2&quot;-5'7&quot;</td>
<td>7'-0&quot;</td>
<td>2,600-3,500</td>
</tr>
<tr>
<td>TSDC-xxx-12.4</td>
<td>4</td>
<td>51-90</td>
<td>12.4</td>
<td>15'-7&quot;</td>
<td>4'-2&quot;-5'7&quot;</td>
<td>7'-1/2&quot;</td>
<td>3,570-4,560</td>
</tr>
</tbody>
</table>

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**NOTES:**

1. Ton range covers NH₃, HFC, CO₂, and H₂O at a variety of conditions. For specific selections, please contact your local BAC Representative.
2. TSDC2 and TSDF2 models have two (2) 0.33 HP pumps.
3. The water make-up connection is 3/4", drain connection is 1 1/4" or 1 1/2", and overflow connection is 1 1/2".
4. Operating weights are estimated and will vary depending on coil and fluid selected.
5. TSDF2 models have 1 or 2 sets of inlets/outlets depending on the selection.

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*Do not use for construction. Refer to factory certified dimensions. This catalog includes data current at the time of publication, which should be reconfirmed at the time of purchase. Up-to-date engineering data, free product selection software, and more can be found at www.BaltimoreAircoil.com.*

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