



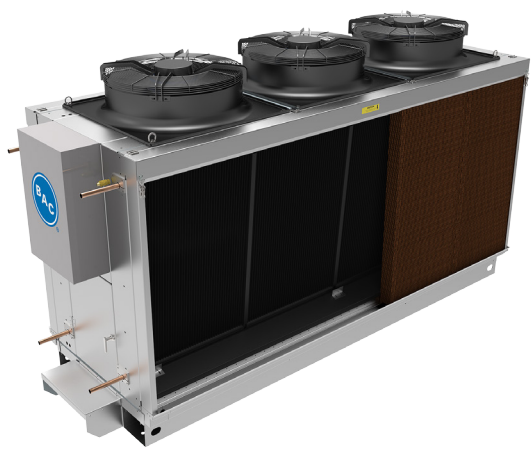
PRODUCT SPOTLIGHT:

TrilliumSeries™ Adiabatic Condenser Self-Clean Cycle

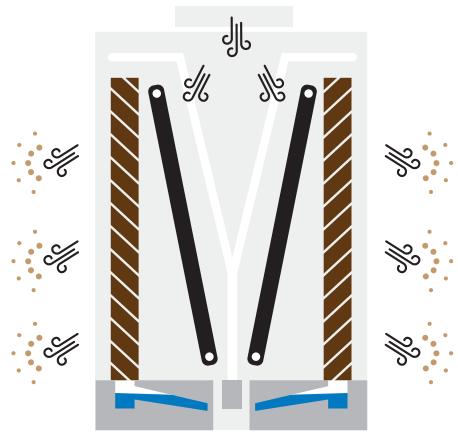


Self-Clean Cycle

Once daily, fans reverse their direction and blow dirt and debris off the coil and Pre-Cooler Pads. Water then rinses the pads, piping, and basin and is flushed from the unit to maintain peak performance. This process is fully automated and will occur when outside conditions are optimal.



TrilliumSeries™ Condenser



Self-Clean Cycle

Benefits of the Self-Clean Cycle

- ✓ **Increased Coil Thermal Performance** – Less debris on the coil surface leads to better heat rejection
- ✓ **Energy Savings** – Due to the cleaning effect of Self-Clean Cycle, the fans will operate at a lower static pressure resulting in better efficiency of the units under all conditions
- ✓ **Reduce Labor Costs** – The units can be serviced less frequently
- ✓ **Peace of Mind** – Maintain confidence that the condenser holds capacity so the system can keep food cold on the hottest of days
- ✓ **Low Maintenance** – The debris accumulation on the Pre-Cooler Pads and coils will be reduced significantly making the maintenance of the units significantly easier
- ✓ **Optimized Coil Life** – Allowing less contaminants on the coil's surface reduces the risk of accumulation of substances that might corrode or degrade the coils' and fins' coating
- ✓ **Fully Adjustable** – The feature can be switched on/off as needed, also the duration and temperature ranges can be adjusted

PRODUCT SPOTLIGHT:

TrilliumSeries™ Adiabatic Condenser

Self-Clean Cycle CONTINUED



Self-Clean Cycle Deactivated



Self-Clean Cycle Activated

Self-Clean Cycle Deactivated

This site did not have any maintenance performed in almost two years, and the Self-Clean Cycle was turned off. As soon as the coils were cleaned, the fan speed was reduced from a constant 90% to 30% under the same temperature and load conditions. **A combination of reduced fan power in off-peak conditions, and reduced condensing temperature and compressor energy in peak conditions, led to a savings of 75,000 kWh per year.**

Self-Clean Cycle Activated

This is an example of a unit with the Self-Clean Cycle activated and regular minimal maintenance. Less than 5 hours of maintenance was performed over the course of 12 months. Look at the difference!

TRILLIUMSERIES™ ADIABATIC CONDENSER

SELF-CLEAN CYCLE

Reduce Operating and Maintenance Costs

Save Energy



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