## TrilliumSeries Adiabatic Condenser - Mee

# Talabatic cooling









## Key benefits

- Redundancy
- Optimized design
- Lowest maintenance and easy inspection

#### TrilliumSeries Adiabatic Condenser - model TRC characteristics

Counter flow, adiabatic pre-cooling, axial fan, induced draft

#### **Capacity range**

430 - 1990 kW

#### Maximum entering fluid temperature

Consult factory

#### **Typical applications**

- HVAC and industrial applications
- Locations with limited water and space availability
- High temperature industrial applications



## Redundancy

- Large amount of fans that provide an unmatched degree of backup capacity and guaranteed redundancy.
- Optional **internal partitioning panels** create individual air intake ducts for each fan, **eliminating thermal performance loss** due to air bypassing the coil through an idle fan.
- Pre-cooler pump recirculation system with adiabatic backup guarantee in case of pump failure.
- Optimal controls guarantee full performance even with loss of controller or communication.

### **Optimized design**

- Short gutter sections with diamond pattern holes and with pump distribution from the middle ensure an **optimal water distribution**.
- Separate panel with PLC interface.

## Lowest maintenance and easy inspection

- All critical components are located outside, providing easy access at all times.
- Fan motors can be replaced in all safety for both the intervening technician as well as for the unit. **No risk** of damage to critical components such as heat exchangers and bottom panels.
- Pump maintenance is possible during adiabatic operation through large access doors in the precooler.
- Easy cleaning for the water distribution system from the fan deck.

### **Unrivalled reliability**

All structural elements are protected with <u>Baltibond hybrid coating</u>, offering the same reliable life



expectancy as stainless steel 304L.

- Special anti-abrasive protection on the pads ensures their durability under harsh conditions.
- Epoxy coating (optional) on the coils increases the **resistance against a humid environment**, high chlorides and other corrosive agents.

### Superb hygiene

- Without aerosol formation, TrilliumSeries Adiabatic Condenser model TRC minimize the Legionella risk.
- No continuously wet parts: all parts that come into contact with water are **fully drainable**, no water is stored in the unit during dry operation.
- TrilliumSeries Adiabatic Condensers model TRC cool incoming air without transferring water to the dry coil, preventing possible uncontrolled algae growth and corrosion.

#### **Plug and Play**

- Already for more than a decade we provide proven controls.
- All site specific parameters are factory set and tested before the unit is shipped.
- Multiple control strategies allow to match any process needs at minimal operating costs.

Interested in the TrilliumSeries Adiabatic Condenser - model TRC to cool your process fluid? Contact your local <u>BAC representative</u> for more information.

## **Downloads**

- TrilliumSeries Adiabatic Condenser, TRC model (brochure)
- Spare Parts for TrilliumSeries adiabatic cooler Model TRC
- Operating and Maintenance TRC
- Rigging & Installation TRC
- TRC compilation
- Why should you buy BAC adiabatic products?