



# Year-round highest thermal performance



**POLAIRIS**   
Closed Circuit Cooler Tower - Model PLF2



## UNMATCHED RELIABILITY

### MAXIMUM UPTIME AND LONGEVITY

Multiple, independent **EC Fan Systems** provide optimal reliability and guarantee redundancy.

**Baltibond® Hybrid Coating** comes as standard for maximum equipment life, with corrosion resistance equivalent to SST 304L.

Dry operation possible.

Thermal performance is **tested and certified** by CTI-Eurovent.



## SUPERB HYGIENE

### PROVIDING A SAFE WORK ENVIRONMENT

The **DiamondClear® Design** offers a continuous self-cleaning operation. During standstill the sloping surfaces fully drain, avoiding stagnant water and the risk of sedimentation of impurities.

A **completely encased collection basin** eliminates any sunlight ingress, preventing biological growth.

**Baltibond® Hybrid Coating** for a smooth surface finish that reduces biofilm development.



## MINIMAL MAINTENANCE AND EASY TO INSPECT

### 25% REDUCTION IN MAINTENANCE COSTS

Unmatched accessibility to the basin, drives and fans in the dry section, via the **two large access doors** at ground level.

**Baltibond® Hybrid Coating** for a smooth surface finish that facilitates internal cleaning.

**Direct driven fans** require no maintenance at all.

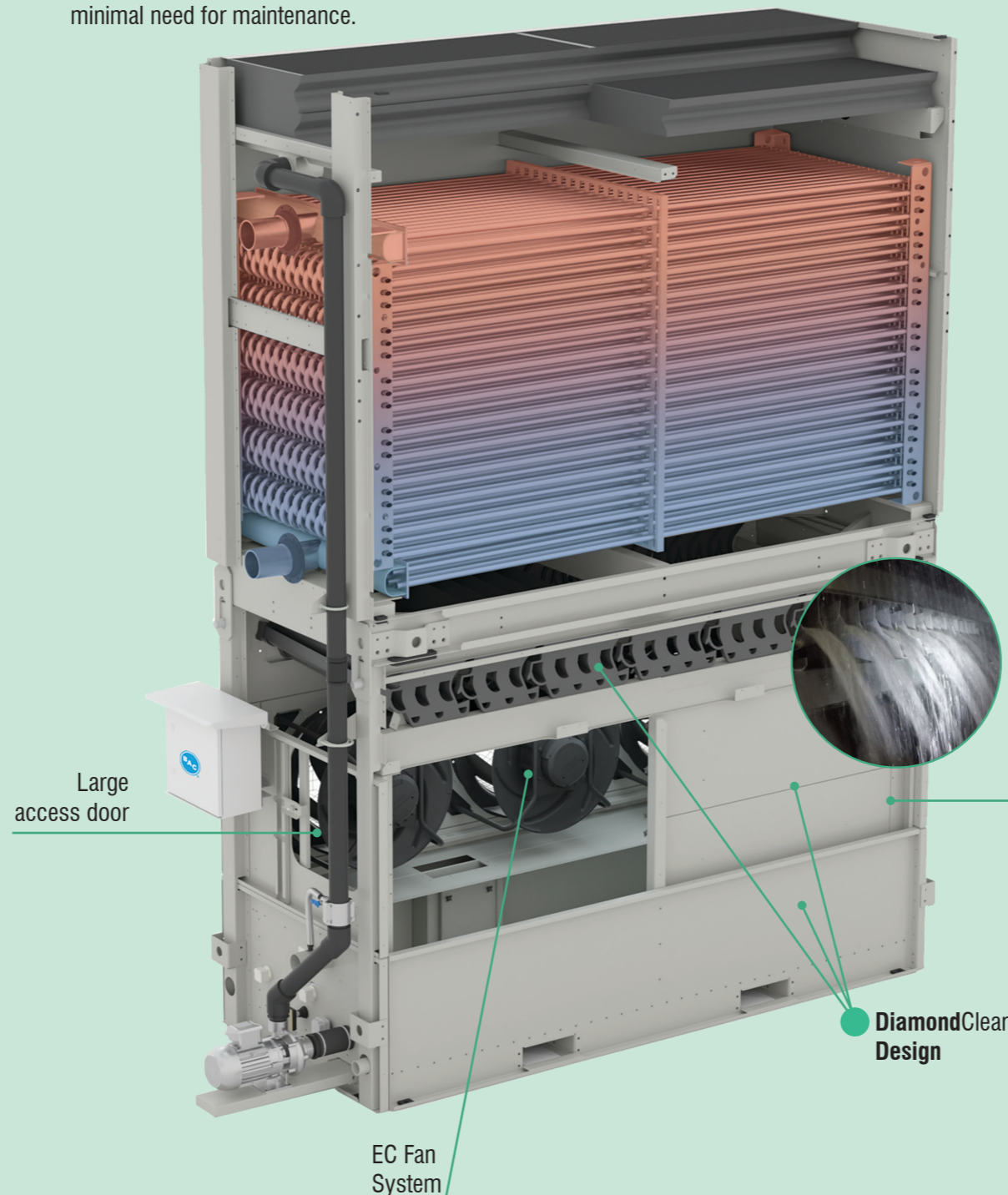
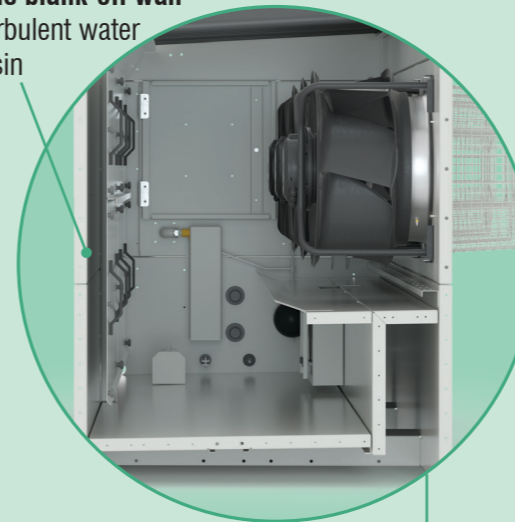
The **double blank-off wall** guides the spray water into the collection basin, which makes it subject to higher turbulences, reducing the need for collection basin cleaning.

# Polairis™ Closed Circuit Cooling Tower - Model PLF2

## Year-round highest thermal performance

The Polairis™ closed circuit cooling tower brings reliability to the next level. This innovative unit, that incorporates highly efficient radial fans with EC motors as well as the **DiamondClear® Design**, offers you a year-round, trouble-free and energy efficient operation in combination with a minimal need for maintenance.

Double blank-off wall for turbulent water in basin



## FLEXIBLE TO INSTALL

### DESIGNED WITH EASE OF INSTALLATION IN MIND

Integrated electronics of **EC motors** eliminate the need for external VFD's, electronic filters and shielded cables.

**Fans are prewired** to terminal box to avoid time-consuming on-site wiring.

**Single side air inlet** and powerful radial fans enable indoor installation and installation in confined spaces.



## ENERGY EFFICIENT

### YEAR-ROUND CERTIFIED THERMAL PERFORMANCE

Variable-speed **EC Fan Systems** with direct-driven radial fans provide superior efficiency.

Reduced power consumption at **lower fan speeds** compared to traditional AC motors with external VFD's.

Optimized unit design with **EC Fan Systems** in combination with **DiamondClear® Design** results in a uniform air distribution over the entire footprint of the coil, for optimal thermal performance.



## LOW SOUND

### SUITED FOR THE MOST STRINGENT SOUND CRITERIA

Silent **radial fans** as standard.

**DiamondClear® Design** in combination with the double blank-off wall minimizes water splash noise, eliminating the need for water silencers in the basin.

**Sound attenuation** is available for the most stringent sound requirements.

More info?  
Contact your local  
BAC representative.





# MORE THAN 80 YEARS OF EXPERIENCE AND KNOW-HOW

With thousands of successfully operating installations worldwide Baltimore Aircoil Company has the **application and system experience** to assist you in the design, installation and operation of your cooling equipment.

BAC applications **serve all markets** - air conditioning, industrial manufacturing, refrigeration, district and data center cooling, pharmaceutical applications and electric vehicle battery applications - and **provide solutions for all different customer cooling needs**.



## RELIABILITY - At BAC, we care about the quality of our work and the relationship with our clients

BAC delivers the **highest quality products**. We organize full size thermal performance and acoustical tests in our labs and participate in all **existing thermal performance programs** that exist for our products. We ensure a **reliable supply chain** and have a **flexible production capacity** that meet the needs of any project size or requirement. We have **expert engineers** all over Europe, driven to help and support you with one common goal in mind: developing and delivering cooling products that fully meet your needs. With **specialized software** we select the most appropriate evaporative cooling equipment, combined with calculations of investment and annual operating costs. Before, during or after installation, BAC also offers **on-site assistance** and **spare parts** for units up to 20 years old.

## INNOVATION - At BAC, we are passionate about innovation

Ongoing investment in research, combined with the **most advanced R&D laboratory facility in the industry**, enables BAC to consistently offer the most technologically advanced products to exceed both industry standards and the needs of our customers. As a result, BAC holds **more than 100 patents**. Impassioned by innovation for more than 80 years, today we broadly adopt innovation and creativity across all our business functions and business processes to reach new levels of industry leadership. We are driven to bring new value into your future.

## SUSTAINABILITY - At BAC, we are inspired by nature

For more than 80 years we've been helping our customers achieve their sustainability goals. Today we **integrate sustainability not only into WHAT we do but also into HOW we do it**. Sustainable innovation is fostered and cultivated in all BAC's business processes. Our sustainability goals guide us each day to become **the leading provider of sustainable cooling solutions**. We are committed to become your most sustainable partner.

www.BaltimoreAircoil.com  
www.BacSustainability.com  
europe@BaltimoreAircoil.com



**BALTIMORE AIRCOIL COMPANY**

BLUE by nature  
GREEN at heart

