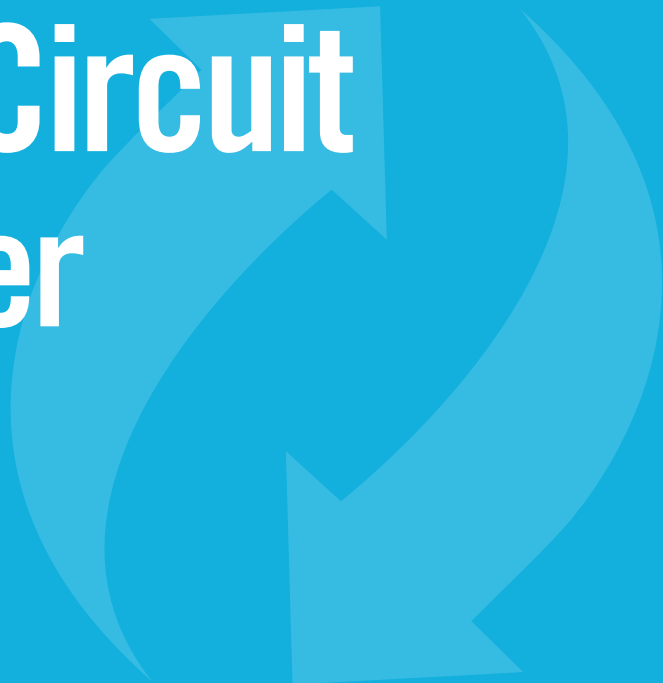




# PFi Closed Circuit Cooling Tower



# PFi Closed Circuit Cooling Tower

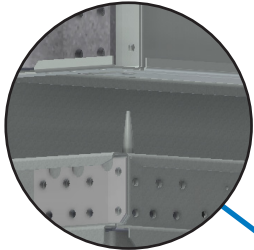
The PFi Closed Circuit Cooling Tower with the OptiCoil™ System increases capacity by up to 30% or more\*, enabling the PFi model line to achieve either the lowest total installed cost or the lowest total cost of ownership\*. XE (Extreme Efficiency) models are also available with energy efficiency levels of up to five times the minimum requirements established in ASHRAE 90.1-2013, to further lower energy costs and reduce sound levels. The PFi model line with its patent-pending OptiCoil System, provides flexibility to meet the needs of owners, contractors, and engineers by bringing the most value to new or replacement applications where dry operation is a priority.

**XE models** – provide up to a 50% or more in reduction of operating costs

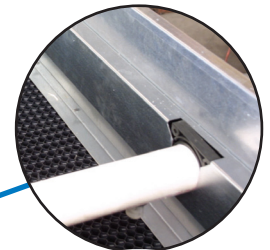
**Pre-assembled External Service Platforms** – reduce installation time by up to 4 hours (Optional, Not Shown)

**Tool-Less Inward Sliding Access Door** – allows easy access to motor and drive components to reduce service times

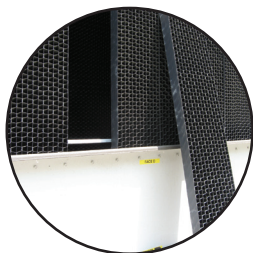
**OptiSpray™ Technology (patent pending)** – reduces pump energy costs by up to 60%\*



**Guide Pins** – help reduce section assembly time by up to 75%

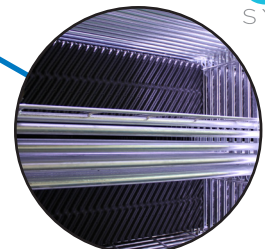


**BranchLok Removal System** – reduces service times with tool-less spray branch removal

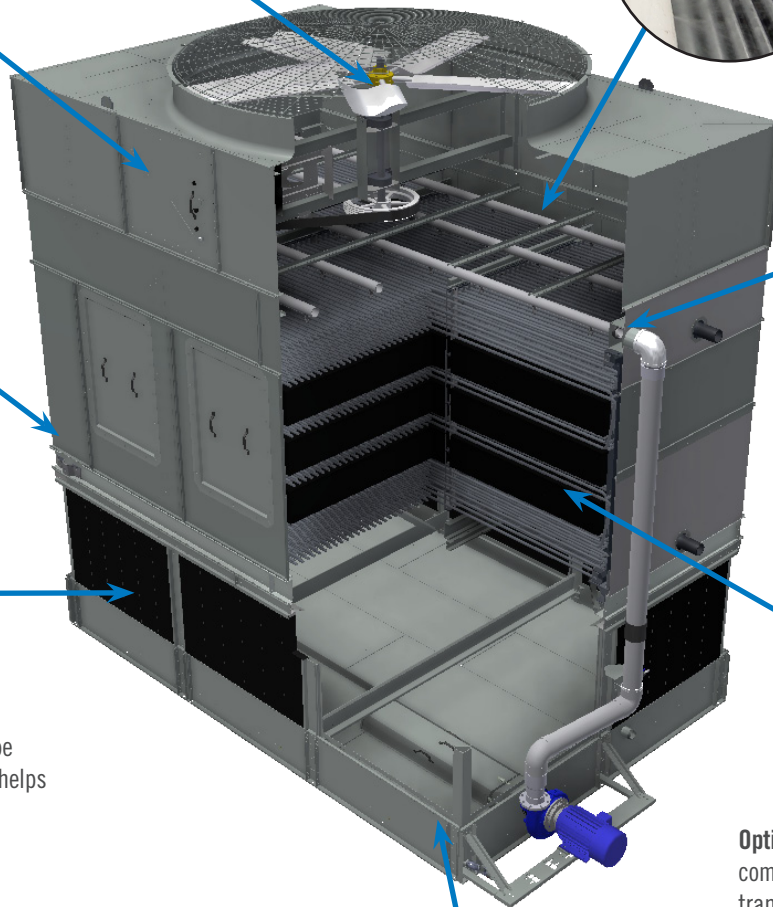


**Combined Inlet Shields** – designed to be service-friendly for easy removal which helps reduce maintenance and service times

**OptiCoil™ SYSTEM**



**OptiCoil™ System (patent pending)** – combination of direct and indirect heat transfer, enhancing thermal performance by 30%\* or more without increasing footprint



**TriArmor® Corrosion Protection System or EVERTOUGH™ Construction** – increases reliability, extends life of the unit while reducing water usage (Optional, Not Shown)

**Welded Stainless Steel Basin (Optional)** – minimizes leaks and reduces downtime

\* Compared to traditional induced draft counterflow style closed circuit cooling towers

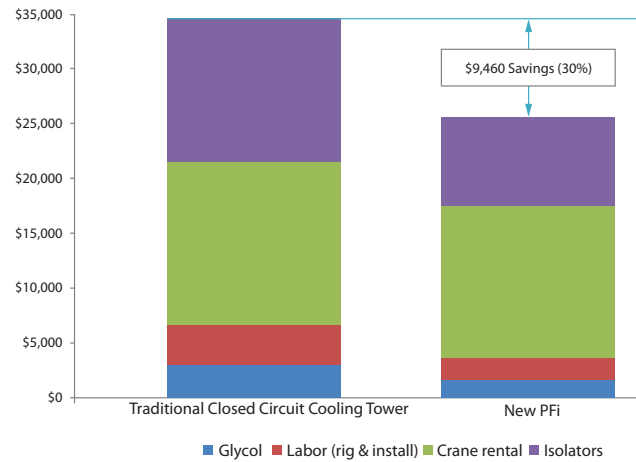
## Lowest Total Installed Cost

For contractors and owners looking for the lowest total installed cost, the PFi Closed Circuit Cooling Tower can lower installation costs by 30% or more via:

- ✓ Reduced crane, structural, and vibration isolation costs due to smaller footprint and lighter weight
- ✓ Reduced rigging and installation time with self-guiding pins and one-piece lift capability
- ✓ Less glycol required to achieve the same or higher heat transfer
- ✓ Smaller size of VFD due to a smaller HP motor
- ✓ Elimination of field thermal performance testing costs due to CTI certification for both water and glycol

Additionally, the PFi model line has many installation-friendly features, such as pre-assembled external service platforms that help significantly reduce installation times.

Typical Installation Costs



Typical 200-Ton Closed Circuit Cooling Tower Comparison

## Lowest Total Cost-of-Ownership

- ✓ **Low Energy Costs:** For those looking for the lowest total cost of ownership, the PFi Closed Circuit Cooling Tower can help reduce energy costs by up to 50% or more with XE models featuring lower HP fan motors and the OptiSpray™ Technology featuring lower spray pump HP.
- ✓ **Low Operating Cost:** For those looking to reduce maintenance and repair costs, the PFi Closed Circuit Cooling Tower offers the following maintenance friendly features:
  - **Tool-Less Inward Sliding Access Door** – allows easy access to motor and drive components to reduce service times
  - **BranchLok Removal System** – reduces service times with tool-less spray branch removal
  - **Combined Inlet Shields** – Designed to be service-friendly for easy removal which helps reduce maintenance and service times

## Lower Risks and Costs with Like-For-Like Replacement

For replacement applications that require a like-for-like solution, the PFi model line can not only provide the lowest total installed cost or the lowest total cost of ownership, it can also lower the project risks and overall project time line. The PFi Closed Circuit Cooling Tower will deliver the same or even higher capacity, while minimizing switching costs through the reuse of existing:

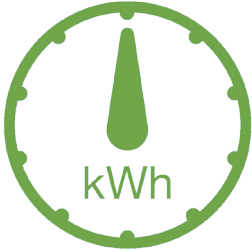
- ✓ Steel support and vibration isolators
- ✓ Enclosure architecture
- ✓ Electrical infrastructure, starters and VFD

Lastly, the PFi model line is compliant with the latest building codes for energy efficiency, IBC codes for wind and seismic applications. The unit will perform per published ratings, as the entire model line is independently CTI certified.



New PFi Units Used for Replacement of Older Style Competitor Units

## PFi XE Models



XE Models are up to 5 times more efficient than the minimum ASHRAE 90.1-2013 requirements



These energy efficiency levels help contribute to LEED® credits



Reduces sound levels by 5 dB while maintaining the same heat transfer

### COOLING TOWERS

---

#### CLOSED CIRCUIT COOLING TOWERS

---

#### ICE THERMAL STORAGE

---

#### EVAPORATIVE CONDENSERS

---

#### HYBRID PRODUCTS

---

#### PARTS & SERVICES



[www.BaltimoreAircoil.com](http://www.BaltimoreAircoil.com)

7600 Dorsey Run Road, Jessup, MD 20794 › Telephone: (410) 799-6200 › Fax: (410) 799-6416  
© 2015 Baltimore Aircoil Company • S348/1-B