

FCI

Closed circuit cooling towers



Key benefits

- Long and reliable service life
- Low energy consumption
- Easy maintenance

Configuration

Counter flow

Fans system

Axial fan, induced draft

Capacity range

Single cell capacity up to 1043 kW.

Water distribution

Pressurised

Maximum entering fluid temperature

82°C

Typical applications

- Small to medium HVAC and industrial applications



Long and reliable service life

- Standard [Baltiplus 800™](#) [corrosion protection construction](#) with **corrossion resistant** [fibreglass](#) side panels will provide a long service life.
- **Direct drive fans** for most models, reducing regularity of service and component replacement.

Low energy consumption

- [Evaporative cooling](#) for system-wide energy saving at lower operating temperatures.
- **Axial fan** uses **half the energy** of similar centrifugal fan units.
- Factory tested **high efficiency coil**.
- **High efficiency/VFD duty fan motors**

Easy maintenance

- **Full cold water basin access** when removing the combined inlet shields.
- Easy no-tool **removal of casing side panels** gives access to heat transfer coil for easy inspection and cleaning.
- **Easy removable** spray branch arms, eliminators and combined inlet shields.
- Easy **access to motor and drives** from above the cooling tower.
- Upgrade the unit with **motor removal davit arm** for quick and safe service of motors and fans.
- **Removable suction strainer** with anti-vortex hood.

Operational safety

- Closed loop or circuit tower, **no airborne contaminants** enter and foul the system
- Easy-to-clean and easy-to-inspect FCI towers **reduce hygiene risks** from bacteria (e.g. Legionella) or biofilm inside
- **Dry operation** possible in winter time.
- **Combined inlet shields** block sunlight to prevent biological growth in the tower, to filter the air and to stop water splashing outside.

Low installation cost

- Reduce rigging time with the **fan plenum section self-aligning** with the coil casing section. Motors and drives are factory installed and aligned.
- All models can **mount directly** on parallel I-beams.
- **Use smaller, less costly** cranes by shipping in multiple sections to minimize the size and weight of the heaviest lift.

Interested in the FCI cooling tower for cooling your process water? Contact your local [BAC representative](#) for more information.



Downloads

- [FCI closed circuit cooling tower](#)
- [Operating and maintenance ECI-FCI](#)
- [Rigging and Installation ECI - FCI](#)