

RCF

Previous generation products



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 905 kW

Water distribution

Pressurised

Maximum entering fluid temperature

82°C

Typical applications

- Small to medium HVAC and industrial applications



Long and reliable service life

- Corrosion resistant and superior structure strength: [pultruded composite construction](#) combined with BAC's patented "Bonded Panel to Post Connection" guarantee a long service life.
- Switch off the spray system during periods of reduced load and **operate dry**.

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 side panel** gives access to all internal cooling tower components.
- **Sloped basin** to flush out dirt and debris.
- **Easy removable** spray branch arms, eliminators and combined inlet shields.
- Easy **access to motor and drives** from outside.
- **Extended bearing lube lines** fitted for ease of maintenance.
- Upgrade the unit with **external service platform, ladder, safety cage and gate** for quick and safe access to all unit components.

Operational safety

- Closed loop or circuit tower, **no airborne contaminants** enter and foul the system
- Easy-to-clean and easy-to-inspect RCF 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 **coil section self aligning** with the basin section.
- Motors and drives are factory aligned.
- All models **mount directly** on three parallel I-beams.
- **Use smaller, less costly** cranes by shipping in multiple sections to minimize the size and weight of the heaviest lift.
- **Container shipment** often possible!



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

Downloads

- [RCF closed circuit cooling tower](#)
- [Operating and maintenance RCF-RCC](#)
- [Rigging and installation RCF-RCC](#)
- [RCF closed circuit cooling tower](#)