

FCT

Open cooling towers



Key benefits

- Corrosion resistant construction
- Low energy consumption
- Easy maintenance

Configuration

Counter flow

Fans system

Axial fan, induced draft

Capacity range

4 - 106 l/s (single cell)

Water distribution

Pressurised

Maximum entering water temperature

55°C standard fill
80°C with alternative fill

Typical applications

- HVAC applications
- Small to medium industrial applications
- Dirty water applications
- Replacement of field erected towers with basinless units



Corrosion resistant constructions

- High performance corrosion resistant construction: moulded heavy gauge [Fibreglass Reinforced Polyester \(FRP\)](#) with UV protection ensuring a long service life.

Easy maintenance

- **Full cold water basin access** when removing the combined inlet shields. Easy basin access **from all sides**.
- Smooth gel-coat surface on cold water basin reduces biological growth and facilitates **easy cleaning**.
- Easy no-tool removable access door providing access to spray section, drift eliminators and drive components.
- **Easy removable** spray branch arms, nozzles, eliminators and combined inlet shields.
- **Removable** suction **strainer** anti-vortex hood.

Low energy consumption

- Counterflow cooling tower with **high efficiency**, low horsepower axial fans.
- **Optimally selected** drives with VFD duty motors as standard.
- **Axial fan** uses half the energy of similar centrifugal fan units.

Operational safety

- **Easy-clean and easy-inspect** FCT towers reduce hygiene risks from bacteria (eg Legionella) or biofilm inside.
- Combined inlet shields **block sunlight** to **prevent biological growth** in the tower, filter the air and **stop water splashing** outside.
- Optional [sump sweeper piping](#) prevents sediment collecting in the cold water basin.

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

Downloads

- [FCT open cooling tower](#)