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