

FRPP/X  
series

# Field-erected fiberglass cooling towers



Even in the roughest conditions  
***Determined to cool***



# Field-Erected Fiberglass Cooling Towers



## About the Company

YWCT has been designing and manufacturing industrial cooling towers made of FRP, concrete, and steel for nearly 50 years. During this period, it has established its reputation as a credible and professional cooling tower supplier for the global industrial market.

We are more than just another equipment supplier: Our project-wide orientation makes us the perfect partner for leading EPCM and turnkey contractors.

## About the Product

Fiberglass field-erected cooling towers are high-quality cooling towers with high cooling capacity, designed to serve the heavy-duty heat-removal demands of various industrial sectors. Counterflow or crossflow designed, they are structured of composite continuous fiberglass pultruded sections that comply with CTI's STD 37 and conform to ASTM E84D with a flame spread rating below 25.

Pultruded fiberglass structure is ideal for the wet, corrosive environments so typical of cooling towers. It is as strong as steel but only a fraction of its weight. In spite of its light weight, pultruded fiberglass doesn't corrode when exposed to moisture or chemicals, and, due to its outstanding UV resistance, it won't deteriorate when exposed to sunlight.



## Features

- Heavy-duty cooling towers designed for industrial applications
- Optimal thermal performance design
- Highly resistant to corrosive environments
- Counterflow / crossflow designs
- Totally bolted, simply erected

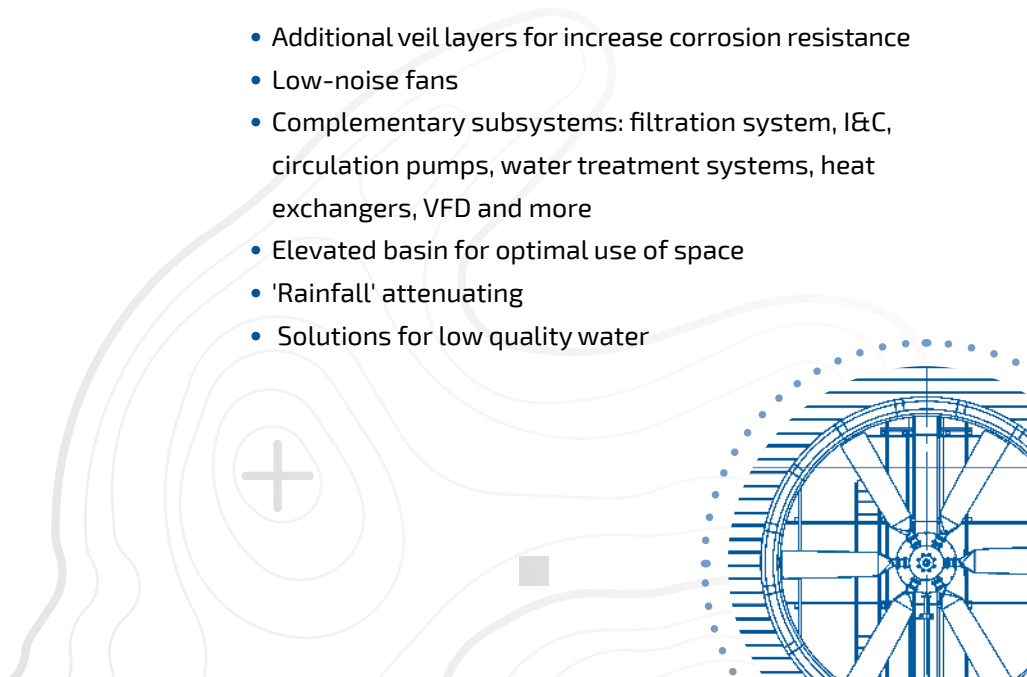


## Materials

- Pultruded FRP structure
- FRP cladding
- Anti-slip FRP fan deck
- FRP handrails and ladders
- Stainless still hardware
- Efficient PVC or PP fill
- PVC drift eliminators and louvers
- PP distribution nozzles
- FRP main distribution header

## Options

- Additional veil layers for increase corrosion resistance
- Low-noise fans
- Complementary subsystems: filtration system, I&C, circulation pumps, water treatment systems, heat exchangers, VFD and more
- Elevated basin for optimal use of space
- 'Rainfall' attenuating
- Solutions for low quality water



Before



After



## The Retrofit Advantage

As a cooling tower engineering company that specializes in tailor-made solutions for industrial applications, in case of need, we adjust new cooling towers to existing concrete basins, thereby saving our customers time, effort, and expense.

Moreover, when a customer must keep production downtime to a minimum, we can design and erect the new cooling tower as modules near the operating one, and at the appointed time, remove the old cooling tower and position the new one inside the basin.

- Tailor-made design as per existing water basins
- Minimizing production downtime
- Modular-design of multiple cells
- On-site erection parallel to operation of existing cooling towers
- Modernization of cooling towers on existing infrastructure
- Increasing cooling capacity using existing footprint