COOLING TOWER
PROFESSIONALS

Delta



SERIES DPC-70

PULTRUDED FRP
COOLING TOWERS

www.deltacoolingtowers.in

1800-111-117

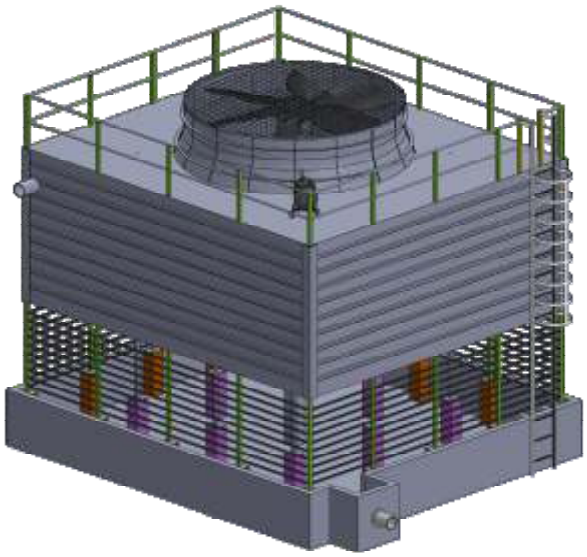
CE ISO Certification CTI



WATER

We all know that the life needs liquid water to function properly. It is an essential element for existence on earth. Everything from human, animals, plants and even industry need water for their survival.

- Many industries use water for various purposes, such as comfort cooling, process cooling and crystallisation etc.
- Water enters in the cooling tower hot (from industrial process) and goes out of the cooling tower cold (back into the industrial process).
- With several years of development, Delta Cooling Towers Pvt. Ltd. has accumulated a wealth of experiences in the field of FRP Cooling Towers. Our cooling towers are working satisfactorily in every segment of the industry. With headquarter in Delhi we have branch offices and warehouses in Mumbai and Baghpat (UP).
- Where modular segmented or factory fitted cooling towers don't suit the heat transfer requirements posed by large-scale Industrial plants, Delta Cooling Towers Pvt. Ltd. is able to deliver customised field erected solutions offering extended equipment life, superior structure and optimal performance compared to alternative systems.



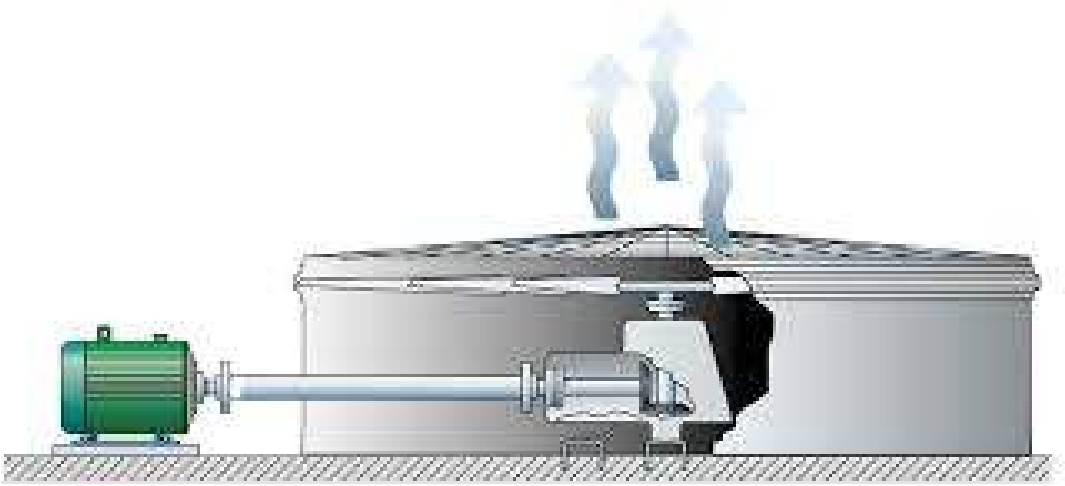
Series
DPC–70
Field erected Cooling Towers

Delta's DPC -70 series comprises Pultruded FRP Induced Draft cooling towers. These high-strength field erected Cooling Towers have excellent corrosion properties.

Made from FRP pultruded sections and FRP sheets, the series DPC - 70 can be a best choice for larger capacity cooling towers. In addition to strength and performance, they are environmentally safe and aesthetically pleasing.

Pultruded products are becoming a staple of the global manufacturing economy, and pultrusion is now one preferred form of manufacture of composite parts for thousands of applications. Cooling Tower is also a key application, where these pultruded sections are used extensively.

Pultruded FRP cooling towers have structures having proven Braced Frame Design. These structures are connected to the ground with steel brackets and base plates anchored and grouted to the basin. Frame, Casing, Fan deck and Fan cylinder are made of FRP with hand layup process.



Working Principle

Delta's Series DPC – 70 cooling towers operate on the counter flow induced draft principal of operation. Water flows from the top of the cooling tower through the pressurized spray nozzles, however the air flow is parallel (but in opposing direction) to the flow of water. Air is drawn from the bottom of the cooling tower, passing over the fill surface and exiting out from the top.

Axial flow fan mounted on the gear reducer are designed to deliver high efficiency and low noise level. The gear drive reduces the high-speed power from the motor to lower speed required to power the fan. Thick, casted shells housing the gear teeth and oil bath can withstand high heat and humidity inside the cooling tower. They are designed to meet the most demanding conditions of a harsh industrial environmen

The gearbox is linked to a TEFC motor, which is located outside the airstream, through a heavy duty drive shaft assembly.

DPC-70

With experience and insight of the Industry we are able to fulfil the needs of our clients.



Our pultruded FRP Cooling Towers offer the highest level of material control and process integrity; and we manufacture all of our products with relentless consistency.

These cooling towers are constructed on the final destination site. The structural elements are prefabricated, marked by piece and shipped to the construction site for assembly. There are many advantages of Delta's Series DPC - 70 cooling towers, which make this series the perfect solution for large cooling towers usually used in industries like power plants, petroleum refineries, sugar plants and various manufacturing facilities.

Salient Features

- Water flow capacity from 400 CuM/Hr. to 4000 CuM/Hr. in single cell
- Durable, heavy duty and long lasting
- Corrosion and weather resistant
- High temperature and UV resistant
- Low maintenance and easy installation
- Light weight and less environmental impact
- Fire retardant and electrical non conductor
- Unaffected by insects/Termites
- Optimal thermal performance design
- Low drift loss Integrated counter flow design



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Delta Cooling Towers P. Ltd.

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