



Shriram Tower Tech Ltd. offers a wide range of cost effective and customised FRP cooling towers. The range of standard conventional FRP towers span from 10 to 620 TR per cell. The unique Modular FRP cooling tower is available upto 800 TR per unit.

Conventional FRP towers: The standard models use corrosion resistant materials to provide a long lasting tower. The towers are designed to present an aesthetic appearance. The wide range of 24 standard models allows for selection of the ideal model for a specific application. The towers are designed with high efficiency cross corrugated PVC film flow fills. PVC drift eliminators are provided to minimise drift losses.

Models upto 60 TR are available in **cross flow** configuration. These towers utilise a open pan gravity distribution with polypropylene target nozzles to distribute the water over the fill. Larger FRP towers are in **counter flow** configuration. The hot water distribution system uses a high performance solid cone square pattern nozzle.

Towers upto 250 TR use axial flow fans directly fitted on the motor output shaft. These towers are provided with FRP basins. They can also be installed on RCC basins constructed by the client. Larger towers use a spiral bevel gearbox coupled to a motor through a floating shaft to drive the fan. These towers are designed to be installed on a concrete basin constructed by the client.

Modular FRP cooling towers incorporate several design features that makes the tower the most advanced and maintenance friendly in the world. The tower is built using corrosion resistant FRP panels and uses no steel structural elements. This reduces the weight and the load on the foundation. Extensive prefabrication and factory assembly reduces installation time.

The patented water collection system intercepts the water as it leaves the fill and diverts it into perimeter FRP beams on the side of the tower. The pumps take suction from the beams, ensuring that positive head is available. Additional water hold up can be provided via an external basin. The hot water is distributed over the PVC film flow fill by a patented self cleaning rotary spray nozzle.

The bottom mounted fan permits easy maintenance of the motor and removes the motor from the hot moist air stream. Multiple high efficiency FRP bladed fans coupled to standard motors provide operational flexibility and power saving.



Member