

Products

- **Salient features of FRP Cooling Towers**

RANGE : HIMGIRI offers Cooling Towers of capacity ranging from 2 m³/hr to 1,500 m³/hr in single cell and above upto 15,000 m³/hr in multicells.

DESIGN : HIMGIRI Cooling Towers are of vertical induced draft counter flow design with uniform water distribution and optimal heat transfer. Towers can be installed independent of wind direction.



CASING : Construction of CASING as per the Manuals of M/s. CEAT LTD. Hyderabad. The thickness of the FRP CASING is so designed that it can withstand dynamic load of fan motor for continuous duty trouble free operation to ensure for long lasting life, strength & leak proof casing. The one piece molded FRP CASING makes the casing leak proof thus assures proper air to water contact and given better performance.



FILL : Unique designed Fills manufactured by HIMGIRI. The heat exchange surface area of our fills is so designed so as to offer maximum contact time for air & water. The flute size of our fills is 12mm which offers maximum contact area. We offer ABSOL AC Fills which is suitable for high temperature application upto 70° C.

SPRINKLER PP FRP MOULDED WATER DISTRIBUTION HEADER PIPE : The header pipe designed for proper distribution of water over the FILLS so that proper contact time for air to water is achieved. The header pipe is manufactured in P.P. with FRP molded construction which makes it NON CORROSIVE TYPE & Long Lasting.



FAN MOTOR : The fan motor is of totally enclosed type, as per IP 55 and suitable for outdoor mounting. Tested as per IS 325. Bird screen is also provided.



WATER DISTRIBUTION NOZZLES : We are offering low pressure drop, non-clogging, ABS make solid cone type nozzles for distributing the water on the fill pack area. Each nozzle is designed to operate on a water fluctuating load as good as 20%. Each nozzle can cater the service area of 1.2m x 1.2m at an inlet pressure of 0.3 kg. per cm.sq.

DRIFT ELIMINATOR : The eliminator is of rigid PVC honey comb construction and is of fixed type. Carry over losses are minimum.



FRP FAN : FRP Fan designed in technical association with IIT Aerospace Division. Gives Non corrosive construction, High efficient airflow. The profile of FRP FAN is Aerofoil type designed so that it gives the required airflow at lesser TIP SPEED & LESSER POWER CONSUMPTION.

Our FANS are balanced on in house on our Dynamic Balancing machine.

INSPECTION WINDOW : Inspection window(s) is provided from where water distribution through nozzles and fill can be observed. Servicing of fills and nozzles can also be done through this window(s).



CORROSION FREE : The tower casing is of FRP, and fill and eliminator are of PVC, thus eliminating corrosion, the biggest enemy of Cooling Tower. All steel components such as motor support, water distribution pipes, hardware, etc. are epoxy / polyurathene painted.

LIGHT WEIGHT : The towers are compact and light weight resulting in each delivery to site and installation. Light weight also saves on structural and masonry. Roof installation can also be done without any special reinforcements.

INSTALLATION : Towers are completely factory assembled before dispatch. At site the tower has just to be bolted on the RCC / brick masonry tank or tower with FRP tank has to be placed on foundation, thus saving a lot of installation time.

SERVICE & MAINTENANCE : Maintenance is considerably reduced because fan is the only moving part in the Cooling Tower which is dynamically balanced; therefore, no vibrations. The sprinkler, fill and eliminator can easily be approached from the inspection window without disturbing the Cooling Tower casing.

To offer quality products we are buying our Raw Material like Fiber Glass, Resin & Motor from ISO Certified Companies.

Our Product is qualified through many consultants which makes us confident about our quality.

We have instant service backup from our factory.

Our efforts are to offer you an upgraded latest Technology Product with the highest efficiency & keep long term healthy business relations.

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