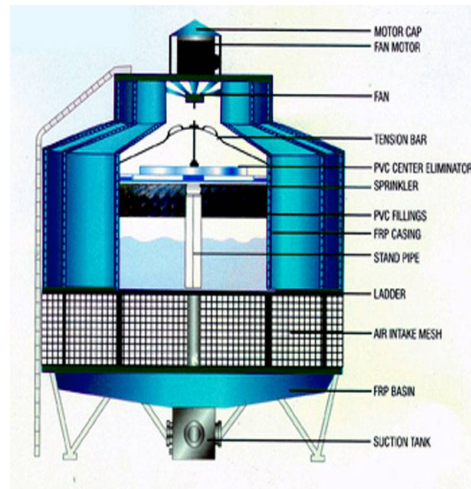


Cooling Tower



Details

Casing:- Casing of tower is made of fiber glass/reinforced plastic. The cooling tower is designed and constructed for minimum maintenance and long life. You can operate in aggressive environment & resistant water born contaminants.

P.V.C. Fill:- A pre-eminent quality and long life fill consists of modular block of PVC honey combs construction to create prolonged contact time of hot air with water for maximum heat transfer. The air pressure drop through the fill is negligible.

Sprinkler:- The uniform distribution of water over the honey combs fills this sprinkler, rotates by self propulsion and eliminates the need for atomising the water nozzles. The head side includes ball bearing requiring minimum maintenance.

MOTOR:- Electro Magnetic designs of the entire range of New India and Bharat Motor covered by 3N series have been developed in keeping with the Latest national and international practices and confirm in general to IEC recommendations.

Fan:- An aero-dynamically designed axial flow type fan is a well balanced construction. The fan blades are of cast aluminium alloy. Fan with variable pitched blades is dynamically balanced for low vibration and high efficiency.

Nozzles:- Nozzles are constructed of Brass/Plastic Nylon used in cooling tower. The design ensures a fine water spray system.

Application

Air Conditioning Plants.	Refrigeration System.	Diesel Generating Sect.
Air Compressor.	Plastic Moulding Machine	Heat Exchanger.
Induction Furnaces.	Industrial Process Cooling.	Water Cooled Processes

Construction Materials

- Top Section: Fiberglass Reinforced Plastic
- Casting: Fiberglass Reinforced Plastic
- C.W. Basin: Fiberglass Reinforced Plastic
- Fill: Rigid P.V.C.
- H.W. Inlet & C.W. Outlet: Steel HDG
- Fan Blade: Aluminium / Fibre
- Branch Arm: Polypropylene
- Motor Support: Steel HGD
- Hard wear: G.I./HGD

Corrosion Free: To avoid corrosion on metal in water lines.

Inspection Window: For Inspection of running position of sprinkler and fan blade.

After Sale Service: After sales service for all cooling tower is guaranteed to all users. Our service engineers are available at any time to assist consulting engineer, tower owners and tower operators.

SALIENT FEATURES

Light Weight	Prompt after sales service	Long Lasting
P.V.C. fill for Highgrade Design up to 60°C	Higher Efficiency	Special Range type electrical Motor
Spares are easily interchangeable	Leak-Proof F.R.P. sump	

Round shape Cooling Tower Capacities

Round shape cooling tower gives 100% cooling efficiencies it's give good appearance flow rate from 5 M³/Hr To 550 M³/Hr gives differences in temperature 4°C To 30 °C Availability of Capacities from 5 TR TO 600 TR.

Features

The bottle shaped FRP cooling tower is utilized in several industries and has the following features.

- All the components have a modular and compact design
- The casing and the design has an exclusive circular design. Therefore no impact of the direction of prevailing wind is encountered.
- This FRP water cooling tower has a very efficient sprinkler head system that is rotative and is made of aluminum alloy
- Axial flow fans that are designed aerodynamically with adjustable pitch are used
- The bottle shaped FRP cooling tower helps conserve power
- Quiet operation is ensured
- The sump is given easy access with a galvanized mesh of hot dip. This is done to avoid entry to foreign objects into the water basin
- The possibility of corrosion and rust gets minimized due to the framework steel components that are galvanized hot dip Though the cooling tower maintenance is not difficult, it is important.

Cooling Tower Maintenance

- Efficient treatment of water
- Prevent scale deposits
- Do way with or clean spray nozzles that get clogged
- Adequate air flow should be ensured
- Adequate performance of pump also should be assured

Round shape Cooling Towers Spares

- PVC Fill: A good quality fill and is of long life too.
- Drift Eliminator: The carry over losses due to moisture drops.
- Sprinkler: Due to the even water distribution over the honey comb fills.
- Fan: flow type fan that is aero dynamically designed is of well balanced construction. we have availability of FRP fan and Aluminum fan