Closed Loop Cooling Tower

Thermax Cooling Solutions
Conserving resources. Preserving the future.

Thermax provides systems and solutions in the critical domains of energy and environment. The products and services developed by Thermax help industries achieve better resource productivity and improved bottom lines, while maintaining a cleaner environment. The company's vision for the future is firmly anchored in the belief that, to stay competitive, business houses need to adopt sustainable practices.

Thermax's product portfolio covers heating, cooling, water and waste management, and specialty chemicals. The company also designs, builds and commissions large boilers for steam and power generation, turnkey power plants, waste-to-energy systems and air pollution control projects.

Thermax Cooling Solutions Ltd

We offer various wet & dry cooling solutions to remove heat from different process & manufacturing industries. The range of wet & dry cooling solutions uses air, water or a combination of both as medium of heat rejection. This keeps the process fluid/refrigerant properly cooled and increases the efficiency of production processes and operations of equipment.

Closed Loop Cooling Tower

Conventional system

Most of the process industries use secondary circuit with heat exchanger, open cooling tower and secondary pump for heat rejection applications.

Mixed flow

A closed loop cooling tower replaces the intermediate heat exchanger, secondary pump piping & cooling tower into a single unit.
Product Highlights

Quality Construction
- Customized material of construction option-SS/HDG
- Safety as priority (Handrail, ladder as standard unit mounted fittings)
- Long life (SS304 tube bundle, for casing & basin- MOC options of AZ150, SS304 & SS316 available)

Energy Efficient and Reliable Component
- Energy efficient motor and composite axial fan
- Mechanically enhanced tube bundle
- Efficient spray system ensuring no dry spots on tube bundle
- Direct drive fan system

Effortless Maintenance
- Trouble free online maintenance (only for mixed flow machine)
- Walkways and platforms for easy access

For cooling of process water, glycol-water solution, oil, chemicals, pharma liquids, machine cooling acids and any other process fluids

Modular construction allows plug & play installation for new and replacement units

Savings in operational cost compared to conventional systems

Zero contamination avoids algae formation

Suitable for lower approach temperature and varied temperature difference

Offering field erected units and turn-key solutions with supply of balance of plants

Capacity
10 CMH & Above

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Industry segments we cater:

- Poly-films
- Brewery
- Chemical
- Steel plant
- Automobile
- Power plant
- Tyre
- Cement
- Pharmaceutical
- Food & Beverage
- Plastic & Injection Moulding
- FMCG

Other offerings:

- Air Cooled Heat Exchanger
- Evaporative Condenser
- Adiabatic Cooler
- Dry Cooler
- Air Cooled Condenser

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Thermax Business Portfolio:
- Heating
- Cooling
- Power
- Air Pollution Control
- Chemicals
- Water and Wastewater Solutions
- Solar
- Specialised Services

This brochure presents only some of our products and we reserve the right to amend any product details without notice. The photographs used in the brochure are indicative and may not match the actual plant.

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