Evaporative Condenser

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 achieving 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.

Evaporative Condenser

Conventionally, the condenser of the Refrigeration system is either a PHE or shell and tube type heat exchanger. Circulating water from the secondary circuit rejects heat through an open loop cooling tower. The Heat exchanger acts as an isolation point to maintain two independent circuits.

An evaporative condenser replaces the intermediate heat exchanger, secondary pump piping & cooling tower into a single unit.

Mixed Flow

Counter Flow
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 Ammonia/Freon condensation at lower temperature

Ideal for various refrigeration systems and climatic conditions

Compatible with all types of refrigeration compressors i.e. Reciprocating, Screw, Scroll, Rotary and Centrifugal.

Mixed and Counter flow technology available

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

Replacement product against conventional systems (Atmospheric condenser, Shell & tube heat exchanger + cooling tower, Plate heat exchanger + cooling tower)

Capacity

50 TR & Above

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Industry we serve

- Dairies
- Cold Storage
- Food & Beverage
- Chemical
- Sea Food Processing
- Pharmaceutical

Other offerings

- Closed Loop Cooling Tower
- Air Cooled Heat Exchanger
- Dry Cooler
- Adiabatic 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

www.thermaxglobal.com

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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