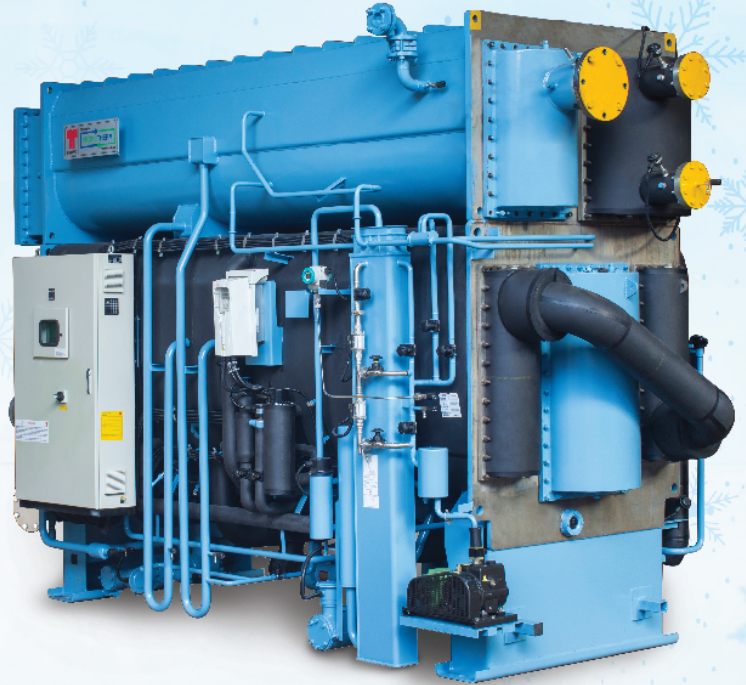


ULTRA LOW TEMPERATURE HOT WATER CHILLER



Low temperature heat is found abundantly in many processes industries, such as Refineries, Steel, Petrochemicals, Chemicals, Food & Beverages, Co-generation plants, etc. However, this heat remains untapped and is rejected into the atmosphere through Cooling towers/Dry coolers, thus incurring electricity and operational expenses.

Thermax's Ultra Low Temperature Hot Water Chiller is an energy-efficient solution to repurpose such ultra-low temperature waste heat to meet the cooling requirements, thereby reducing carbon footprint and operational cost. This Ultra low temperature hot water chiller is an extension to our portfolio of Heat recovery products and requires hot water of 60 - 80°C to produce chilled water as low as 1°C / brine temperatures as low as -5°C.



High Efficiency



High Operational Savings



Electricity Free Cooling



Low Grade Waste Heat Recovery Based Solution



Fully Automated Operation



Low Maintenance

Why Ultra low temperature hot water chiller?

- ✦ Repurposes Hot Water at Ultra Low Temperature Levels (60 - 80°C) to Deliver Chilled Water
- ✦ Industry Best in The Low-temperature, Hot Water-driven Chiller Category
- ✦ Delivers Brine Temperatures as Low As -5°C
- ✦ Offers 40-45% Efficiency

Salient Features

- ✦ Maximum Heat Recovery
- ✦ Minimum Maintenance Cost & Operational Cost
- ✦ Zero Crystallization
- ✦ Automatic Purging System
- ✦ PLC based Control Panel
- ✦ 10-100% Stepless Modulation
- ✦ Maximum Uptime
- ✦ Non-Toxic Corrosion Inhibitor

MORE WITH LESS



Our Footprints

Customer : Manali Petro-chemical Limited

Capacity : 152 TR

Hot Water Temperature : 73-63.3°C

Chilled Water Temperature : 15-10°C

Carbon Emission Savings : 650 tons of CO₂ / annum



Customer : Shivalikview Steel Trading (P) Limited

Capacity : 100 TR

Hot Water Temperature : 75-66.8°C

Chilled Water Temperature : 12-7°C

Carbon Emission Savings : 427 tons of CO₂ / annum



Customer : Ube Chemicals (Asia) Public Company Limited

Capacity : 298 TR

Hot Water Temperature : 78-69.5°C

Chilled Water Temperature : 10-5°C

Carbon Emission Savings : 1273 tons of CO₂ / annum



Applications

The ultra low temperature hot water chiller finds application in many industries for efficient comfort cooling and process cooling.



Refinery and Petrochemicals



Chemical and Fertilizers



Food and Beverages



Pharmaceuticals



Co-generation Plant



Steel

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