

Industrial FRP Square Cooling Tower

This cooling tower uses water as a circulating coolant to absorb heat from a system and discharge it into the atmosphere, reducing the water's temperature. The cooling process involves water and air flow contact for cold and heat exchange, generating steam and evaporative heat dissipation.



Product Overview

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This industrial square cooling tower utilizes fiberglass reinforced polymer (FRP) construction to provide efficient heat rejection for demanding industrial environments. By leveraging water-air contact for heat exchange, it effectively dissipates waste heat from circulating coolant systems into the atmosphere. Engineered for reliability, this cross-flow design is optimized for applications ranging from HVAC systems and power generation to manufacturing processes like plastic molding and metal casting.

Technical Specifications

Construction Material	Fiberglass Reinforced Polymer (FRP)
Cooling Method	Cross Flow
Key Features	Energy Saving, Low Noise, Low Wind Resistance, Corrosion Resistant, Easy Maintenance

Operational Characteristics

Primary Applications

- HVAC & Air Conditioning
- Power Generation
- Plastic & Rubber Processing
- Food & Pharmaceutical Manufacturing
- Metal Casting & Steel Plants
- Chemical & Petrochemical Industry

Design Advantages

Feature	Benefit
Cross Flow Design	Ideal for noise-sensitive residential areas
Low-Speed Motor	Reduces wind and dripping noise
Modular Foundation	Scalable for single or multiple tower setups