

# Counter-Flow Square Water Cooling Tower

This counter-flow square water cooling tower is engineered for efficient heat dissipation. Its compact design and robust frame make it suitable for diverse industrial cooling processes.



## Overview

### High-Efficiency Cooling Performance

This counter-flow square water cooling tower is engineered for robust industrial performance, featuring a galvanized steel space truss structure capable of withstanding extreme environmental conditions, including high-grade typhoons and significant seismic activity. Its advanced gravity-type water distribution system ensures uniform spray coverage with minimal pressure requirements and zero blockage. Designed for maximum efficiency, the unit incorporates a 3D peak inclining water receiver and a high-strength composite air duct to optimize airflow while maintaining minimal water loss.

## Structural Integrity

Frame Material	Galvanized shaped steel and circular duct
Seismic Resistance	7 Richter
Typhoon Resistance	12 Grade
Platform Load Capacity	200 kg/m <sup>2</sup>

## Water Distribution

Nozzle Type	Gravity type
Key Features	Low Pressure Required, Even Spray, No Blockage, No Hollow

## Airflow & Efficiency

### Key Performance Metrics

**200 kg/m<sup>2</sup>**

Platform Load

**0.005 %**

Max Splashing

**100 kg/m<sup>2</sup>**

Wind Load Resistance

Water Splashing Rate	0.005 %
Wind Load Resistance	100 kg/m <sup>2</sup>