

# MD EVEREST®

Modular Counterflow Cooling Tower

Designed For Process Cooling Applications

MARLEY®



MD EVEREST

# Marley® MD Everest®

MODULAR COUNTERFLOW COOLING TOWER DESIGNED FOR PROCESS COOLING APPLICATIONS

## MD Everest – An Advanced Counterflow Cooling Tower for Your Facility

The Marley MD Everest Cooling Tower deserves careful consideration for today's process cooling demands, including power generation plants, chemical, oil and gas plants and other process applications with a wide range of thermal loads. Whether designing a new plant or replacing an aging traditional site-constructed cooling tower, the MD Everest Cooling Tower's preconfigured counterflow modular design offers many advantages, including significantly faster delivery and installation, coupled with safer assembly processes, robust design and materials. Take cooling to a higher altitude with the Marley MD Everest Cooling Tower.

### INDUSTRIAL-STRENGTH CONSTRUCTION AND MATERIALS

The MD Everest Cooling Tower's robust structure meets seismic and wind load requirements and is designed to meet the rigors of process cooling applications using heavy-duty, corrosion-resistant structural members, and Marley heat transfer fill and mechanical components:

- 5-year maintenance-free System 5 Marley Geareducer® gear drive
- Energy-efficient low-clog PVC heat exchange fill media
- Motor Outside Airstream (MOA) standard
- 5-year mechanical component warranty

### PROTECTED HEAT TRANSFER MEDIA

The wet fill surfaces are totally enclosed, protecting them from exposure to sunlight to discourage algae growth.

### MOTOR ACCESSIBLE OUTSIDE AIRSTREAM

The TEFC motor is located outside the fan cylinder where it is readily accessible for maintenance without confined-space access.

### MODULAR DESIGN ADVANTAGES

The MD Everest Cooling Tower's innovative design speeds manufacture, delivery and installation.

### CONSISTENT QUALITY

Because MD Everest tower modules are built and assembled in a controlled factory environment following strict manufacturing standards, the installation quality of the tower is consistently high.

### ADAPTS TO VARYING WATER QUALITY

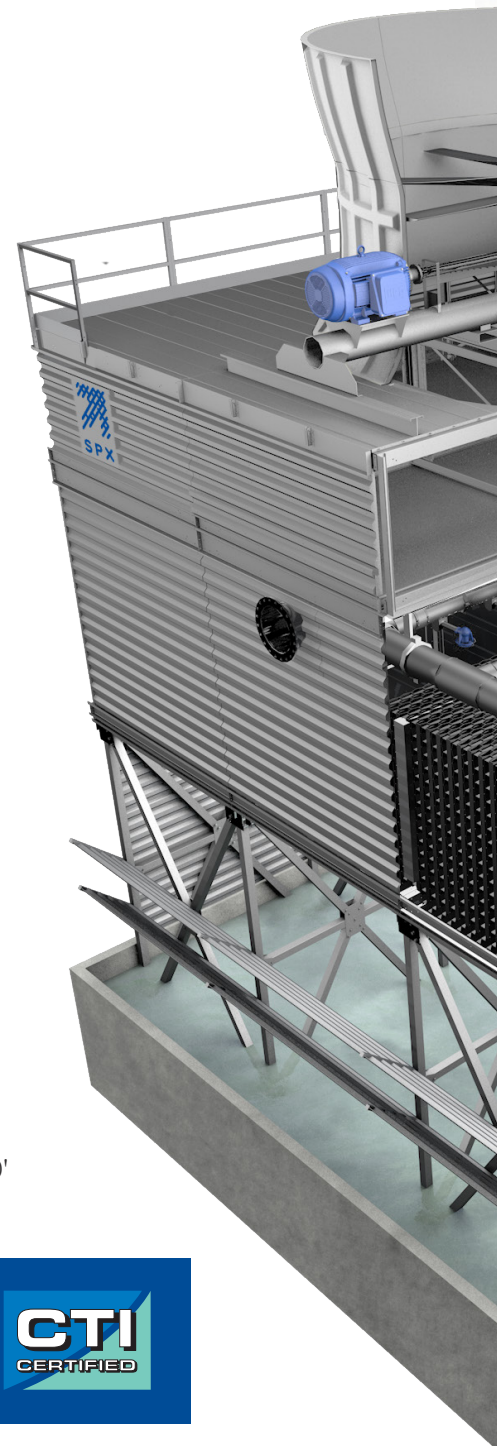
The MD Everest Cooling Tower can employ a range of fill types to accommodate various sources of water.

### SCALABLE DESIGN

The MD Everest Cooling Tower's modular cell design is scalable, utilizing cells ranging from 30'x30' to 36'x36', based on project requirements.

### CERTIFIED THERMAL PERFORMANCE

The MD Everest Cooling Tower is certified by the Cooling Technology Institute to meet thermal performance as specified and eliminates test site expense.







### **60% FASTER DELIVERY**

Operations are up and running sooner because the MD Everest tower modules typically deliver to the site 60% faster than field-erected tower components.

### **80% FASTER INSTALLATION**

The MD Everest Cooling Tower arrives onsite in pre-assembled modules which install in about 20% of the time required for site-constructed towers.

### **SAFER ASSEMBLY PROCESS**

The modular design and simplified field assembly process reduce onsite labor and work duration for a safer work environment.

### **LOW DRIFT RATE**

The MD Everest Cooling Tower achieves the lowest measureable drift, down to 0.0005 percent of circulating water flow, so less water escapes the tower.\*

### **HIGHEST VALUE**

The MD Everest Cooling Tower offers significant advantages compared with other counterflow towers, including unmatched cooling capacity, energy efficiency, fewer components, and lower maintenance costs.

*\*Compared with other leading manufacturers.*

## MARLEY MD EVEREST PRODUCT PARAMETERS PER CELL

Model	Maximum Flow Rate	Length	Width	Height	Maximum Inlet Water Temperature
MD5030	8702 gpm – 1976 m <sup>3</sup> /hr	30 ft – 9.1m	30 ft – 9.1m	varies	140°F – 60°C
MD5033	10470 gpm – 2378 m <sup>3</sup> /hr	30 ft – 9.1m	36 ft – 11m		
MD5036	12602 gpm – 2862 m <sup>3</sup> /hr	36 ft – 11m	36 ft – 11m		

### ADDITIONAL MARLEY COOLING TOWER PUBLICATIONS

Access these publications and more information at [spxcooling.com](http://spxcooling.com)



Marley NC Everest  
Cooling Tower Brochure



Marley MD  
Cooling Tower Brochure



Marley Products and  
Services Brochure



Factory-Assembled  
Cooling Towers for Power  
and Industrial Applications

### SPX COOLING TECHNOLOGIES, INC.

7401 WEST 129 STREET  
OVERLAND PARK, KS 66213 USA  
913 664 7400 | [spxcooling@spx.com](mailto:spxcooling@spx.com)  
[spxcooling.com](http://spxcooling.com)

MDE-20 | ISSUED 04/2020

©2017-2020 SPX COOLING TECHNOLOGIES, INC. ALL RIGHTS RESERVED.

In the interest of technological progress, all products are subject to design  
and/or material change without notice.