For decades, SPX Cooling Technologies has been a leading producer of counterflow cooling towers for large industrial installations. The Marley MD takes advantage of this experience by bringing it down to size.

The Marley MD is a factory assembled tower, which makes it a definite go-to solution for light industry and HVAC applications.

Marley Quality On A Whole New Scale

We’re well known for our outstanding crossflow systems. So why select a counterflow tower? Because the Marley MD tower provides comparable capacity with a smaller footprint, expanding the landscape of possible uses.
Marley MD Cooling Tower: The Right Answer in So Many Ways

**Unmatched reliability**
Heavy-duty construction, high-performance design and our five-year mechanical warranty ensures consistent, CTI-certified fully rated cooling over a wide range of flow and temperature requirements.

**Smaller footprint**
Induced draft counterflow design requires less plan area than crossflow towers. And because the tower’s size results in less steel used, its reduced weight requires less support structure.

**Ease of maintenance**
SPX has worked hard to address the maintenance difficulties long associated with counterflow towers. Our MD tower provides larger access doors, easily removable block fill and other features that simplify maintenance. For European towers, an optional fill removal access door is now available that complies with HSE ACoP L8 requirements.

**Low energy consumption**
Induced draft counterflow equipment minimizes the energy consumption by providing lower fan energy than centrifugal fan counterflow units.

**Low-noise**
The Marley MD comes standard with our CTI-certified low-noise fan, suitable for most noise-sensitive situations.

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**Superior Water Management**
To address the “splash-out” problem typically found in competitive counterflow designs, SPX introduces an industry first: a triple-pass inlet louver and drift eliminator that conserves water and improves winter operation.
All This... and Green, Too

Designed to be environmentally responsible, the MD conserves water by keeping splash-out to a minimum. And being remarkably energy efficient, it doesn’t waste a single kilowatt.

Restricted site conditions

Counterflow towers have different footprints from crossflow towers and offer layout alternatives. Where space is limited or otherwise restricted, the counterflow’s smaller footprint can be a perfect fit. In addition to taking up less site space, counterflow towers may have a lower installed weight. Plus, piping costs can be reduced since a single inlet is usually standard.

Operation and maintenance considerations

Counterflows’ tight louvers prevent sunlight from hitting the collection basin and therefore reduce algae growth. Counterflow towers offer easy access from all tower sides. The wet surface is totally enclosed for winter operation and protection from environmental elements, and the towers provide a corrosion-resistant spray system.

Value-Added Options

Welded stainless steel collection basin
For extra protection, all collection basin parts exposed to circulating water (including structural members that project into the basin) and all attaching hardware and basin options are heavy-gauge series 300 stainless steel.

Electric basin heater
This electric immersion heater is used to help prevent freezing during cold weather.

Solid-state water level control package
This package monitors basin water levels with solenoid-valve water makeup. Configurations include makeup along with high- and low-water level alarm and cutoff, and electric basin heater cutoff.

Vibration switch
This option protects against mechanical failure should the tower experience high vibration levels by automatically shutting down the motor. Manual reset ensures inspection to correct initial vibration cause.

Variable speed drive
Our variable speed drive provides the ultimate in temperature and sound control, energy management and mechanical equipment longevity.

Control systems
These range in sophistication from standard fan starters to Programmable Logic Controllers that work in conjunction with your building or process system.

Sound attenuation
Baffles can be installed across the length of the air outlet opening. All baffles are contained within a self-supporting steel box. Splash attenuation is also available.
Triple-Pass Louvers
Fan Unit
PVC Distribution System
Triple-Pass Drift Eliminators
MC120 Fill
The MD tower is first and foremost a Marley – and that alone speaks volumes.

The Proof Is in the Details.

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*Tower height may vary depending on configuration and cell quantity
*Based on 3 GPM/Ton at 95°F HW/85°F CW/78°F WB
What makes the Marley counterflow tower stand out from its competitors?

- Triple-pass inlet louvers and drift eliminator for superior splash-out protection and water conservation
- SPX’s position as “single source supplier” for all configurations of cooling towers and fluid coolers
- Available in multi-cell configurations
- The Marley reputation. Our brand name. Our service. Our position as an undisputed industry leader in product quality.

The Bottom Line

As a leading producer of cooling towers for over 100 years, we are committed to building the best. So, when we decide to offer an improved line of towers – like the Marley MD – you can be sure that we’ve made sure it’s going to live up to our standards in every way.
SPX Cooling Technologies is a world-leading full-line cooling tower and air-cooled condenser manufacturer. The company provides the highest-quality evaporative cooling towers, fluid coolers and evaporative condensers under the Marley, Recold and Balcke brand names.

ADDITIONAL MD COOLING TOWER PUBLICATIONS
For further information about the MD Cooling Tower – including engineering schematics, data, layout requirements and more – ask your Marley sales representative for a copy of the following publications:

- Engineering Data and Specifications
- IOM Manual

OTHER SPX COOLING TECHNOLOGIES PRODUCTS
SPX Cooling Technologies offers a full line of industry leading products – with unmatched support and innovation designed to help you get the most out of your cooling process. Take a look at these other SPX Cooling Technologies products.

- Marley NC® Class Cooling Tower
- Marley MCW Cooling Tower
- Marley AV Series Cooling Tower

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

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