Products and Services

SPX TECHNOLOGIES

About SPX Cooling

SPX Cooling manufactures a full line of cooling towers, fluid coolers, evaporative condensers and evaporators from industry-leading brands, including Marley®, Recold® and SGS Refrigeration. The companies that formed the SPX Cooling family of brands were founded more than 100 years ago and our company holds more than 250 global patents in the process cooling, industrial, refrigeration, and HVAC markets.

Headquartered in the United States, SPX Cooling has more than 150 offices, subsidiaries, and partners worldwide, with a global reach and local services necessary to deliver solutions for our customers. Manufacturing facilities include:

- Olathe, Kansas
- Springfield, Missouri
- Pilot Mountain, North Carolina
- Brea, California
- Dixon, Illinois
- Foho, China
- Worcester, UK

Table of Contents

Evaporative Cooling

- HVAC
- Refrigeration
- Light to heavy industrial
- Chemical processing, refining
- Power generation

MARLEY NC® CROSSFLOW COOLING TOWER
Five-year mechanical equipment warranty and guaranteed thermal performance. Factory assembly and G-235 galvanized steel construction are standard. Stainless steel option expands applications. Tower capacity from 101 to 1,455 tons per cell. CTI and Eurovent Certified. FM Approved models available.

MARLEY NC EVEREST® CROSSFLOW COOLING TOWER
NC Everest's preassembled design offers significant advantages, including up to 50% more cooling capacity and up to 35% less fan power compared to other single-cell, factory-assembled cooling towers. Fewer piping and electrical connections offer greater installation savings. Expansive interior provides unrivaled access for easier and safer inspections and maintenance. Tower capacity from 1,311 to 2,189 tons per cell. CTI and Eurovent Certified. FM Approved models available.

MARLEY MD EVEREST® COUNTERFLOW COOLING TOWER
MD Everest Cooling Tower's preconfigured modular design offers many advantages, including significantly faster delivery and installation, coupled with safer assembly processes, robust design and materials. Tower capacity 3,790 tons per cell. CTI and Eurovent certified. FM Approved models available.

MARLEY MD COUNTERFLOW COOLING TOWER
Counterflow, induced-draft design requires less plan area than crossflow towers. Factory assembly and G-235 galvanized steel construction are standard. Five-year mechanical equipment warranty. Tower capacity from 89 to 756 tons per cell. CTI and Eurovent Certified. FM Approved models available.

Evaporative Cooling

- HVAC
- Refrigeration
- Light to medium industrial

MARLEY NCWD HYBRID CROSSFLOW COOLING TOWER
Coil-based, factory-assembled hybrid cooling tower designed to reduce visible plume and enhance water conservation. Tower capacity from 298 to 498 tons per cell.

MARLEY NC® ALPHA CROSSFLOW COOLING TOWER
Splash-fill design for use at high temperature or where poor water quality prevents the use of film fill. Factory assembly and G-235 galvanized steel construction are standard. Stainless steel option expands applications. Tower capacity from 290 to 2,700 gpm per cell.

MARLEY NC FIBERGLASS CROSSFLOW COOLING TOWER
Fiberglass and galvanized steel, field-erected cooling tower designed to serve air conditioning and refrigeration systems as well as light to medium industrial process loads on clean water. Stainless steel structure option. Tower capacity from 101 to 1,455 tons per cell. CTI Certified. Not available in the US, Canada or Europe.

MARLEY NX FIBERGLASS CROSSFLOW COOLING TOWER
Fiberglass and galvanized steel, field-erected cooling tower designed to serve air conditioning and refrigeration systems. Tower capacity from 121 to 379 tons per cell. CTI Certified. Not available in the US, Canada or Europe.

Evaporative Cooling

- HVAC
- Refrigeration
- Light to medium industrial
- Chemical processing, refining
- Power generation

MARLEY AQUATOWER® CROSSFLOW COOLING TOWER
Cooling and energy efficiency, reliable performance and simplified maintenance define this compact cooling tower. G-235 galvanized steel factory assembled structure. Also available in 300 series stainless steel or fiberglass construction. Tower capacities from 8 to 126 tons per cell. CTI and Eurovent certifed Certified.

MARLEY® QUADRAFLOW® CROSSFLOW COOLING TOWER
Unique compact design of corrosion-resistant fiberglass and stainless steel is field-assembled and available from 129 to 1,047 tons per cell. CTI Certified.

MARLEY CP COUNTERFLOW COOLING TOWER
Induced-draft design. The ideal solution for larger space-sensitive applications. Its corrosion-resistant fiberglass construction is an excellent alternative to stainless steel. Tower capacity from 258 to 1,337 tons per cell. Available in Europe, Middle East and Africa. CTI and Eurovent certified.

MARLEY AV CROSSFLOW COOLING TOWER
Singleflow, induced-draft design offers pump and fan energy savings in a small footprint. Factory assembly and G-235 galvanized steel construction are standard. Tower capacity from 125 to 772 tons per cell. CTI Certified.

Evaporative Cooling

- HVAC
- Refrigeration
- Light to medium industrial

RECOLD® JT COUNTERFLOW COOLING TOWER
Forced-draft, low profile design is a good fit for indoor applications where ducting and quiet operation are required. G-235 galvanized steel factory assembled structure. Also available in 300 series stainless steel. Tower capacities from 30 to 415 tons per cell.

MARLEY UNILITE® COUNTERFLOW COOLING TOWER
Combined with superior composite fiberglass materials and advanced heat transfer technology, the result is a high-quality, cost-effective cooling tower that excels across a broad range of HVAC and industrial applications. Tower cells available from 700 to 5,140 gpm.
FM approved models available.

MARLEY MCW COUNTERFLOW COOLING TOWER
Maximizes forced-draft technology and high performance. The ideal solution for indoor, urban and industrial applications. Available in G-235 galvanized or 300 series stainless steel. Tower capacities from 142 to 489 tons per cell. CTI and Eurovent certified.

Evaporative Cooling

- HVAC
- Refrigeration
- Light to medium industrial

MARLEY MS COOLING TOWER
For those installations where aesthetics preclude the use of a conventional cooling tower. Each tower is custom designed to meet the needs of the individual installation. Available in a wide range of flow rates.

MARLEY SERIES 10 - SERIES 15 CROSSFLOW COOLING TOWER
Splash-fill design for use at high temperature or where poor water quality prevents the use of film fill. Treated wood structure. Tower cells available from 135 to 6,720 gpm.

MARLEY SIGMA CROSSFLOW COOLING TOWER
These highly efficient, low-maintenance towers offer a wide choice of solutions for medium to heavy industrial plants and large HVAC applications. Available in wood, steel (stainless or galvanized), or pultruded structural fiberglass for unsurpassed quality and reliability. Tower cells range from 380 to 10,100 gpm capacities.

Evaporative Cooling

- Heavy industrial
- Chemical processing, refining
- Power generation

MARLEY 400 CLASS COUNTERFLOW COOLING TOWER
The ultimate in versatility, efficiency and quality for large-scale HVAC, power and industrial facilities. Each tower is customized to meet your exact specifications for performance, structure, drift and sound. Available in pultruded fiberglass, wood or concrete for unsurpassed quality and reliability. Tower cells available from 1,300 to 30,000 gpm.

MARLEY 600 CLASS CROSSFLOW COOLING TOWER
Large splash-fill towers proven in hundreds of installations over the last 60 years. Available in pultruded structural fiberglass or wood for unsurpassed quality and reliability. A variety of fill options makes this the most versatile tower for heavy industrial use. Tower cells available from 3000 to 30,000 gpm.

MARLEY 800 CLASS MECHANICAL-DRAFT COOLING TOWER
Reduced power consumption, favorable space requirements, minimized recirculation effects, optimum operational behavior for salt water application and aesthetic look are only some advantages of round concrete counterflow cooling towers with forced draft fans.

Fluid Coolers

- HVAC
- Refrigeration
- Light to medium industrial

MARLEY MH CLOSED-CIRCUIT CROSSFLOW FLUID COOLER
The MH Fluid Cooler's hybrid design incorporates fill media and more circuits of coil to increase performance as much as 10 percent compared to other systems and still maintain a space-saving footprint. Expanded options now include incorporation of copper coils for increased thermal capacity. CTI and Eurovent Certified. FM Approved models available.

MARLEY MC CLOSED-CIRCUIT COUNTERFLOW FLUID COOLER
Forced draft design with centrifugal fans allows quiet indoor operation. G-235 galvanized steel factory-assembled structure. Also available in 300 series stainless steel. The ideal solution for sound- and space-sensitive applications.

MARLEY DT COUNTERFLOW FLUID COOLER
Closed-circuit induced-draft design does not contain heat transfer fill media for higher dry operation capacity in cold weather. Available with Aero-X™ coil technology to provide the lowest air-side pressure drop and higher heat rejection capacity per coil row. CTI Certified.

Fluid Coolers

- HVAC
- Refrigeration
- Light to medium industrial

MARLEY LW COUNTERFLOW FLUID COOLER

Induced-draft design with proven copper coil technology arrives in one piece and fully wired for fast installation and easy maintenance. EC or AC motor direct drive fan options. G-235 galvanized steel. Also available in 300 series stainless steel. CTI Certified.

OLYMPUSV ADIABATIC SYSTEMS

The Marley and Recold OlympusV™ Adiabatic Series balances the water-saving benefits of an air-cooled heat rejection system with the energy efficiency of a water-cooled solution to provide flexible cooling for operators and engineers. Available units include CO_2 coolers, condensers and fluid coolers for a variety of refrigeration and cooling systems.

RECOLD MW COUNTERFLOW FLUID COOLER

Induced-draft, axial fan design with a weight-saving, corrosion-resistant copper coil in a low height configuration. G-235 galvanized steel factory assembled structure. Also available in 300 series stainless steel.

RECOLD JW FLUID COOLER

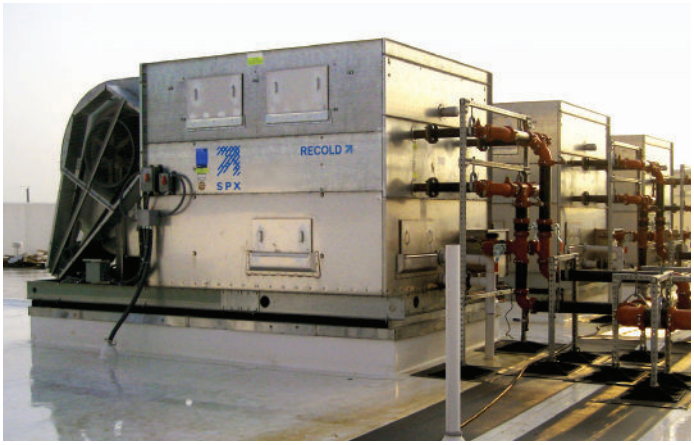
Forced-draft, low profile, low-noise design with centrifugal fans and weight-saving corrosion-resistant copper coil in a low height configuration. G-235 galvanized steel. Also available in 300 series stainless steel.

Evaporative Condensers

- Refrigeration
- HVAC

SGS INDUSTRIAL EVAPORATIVE CONDENSER
Forced-draft axial evaporative condenser with robust industrial design and exclusive hot-dip galvanized casing to extend product life. All bolt and nut construction, self-aligning top/bottom section designed for fast, easy installation.

RECOLD LC COUNTERFLOW EVAPORATIVE CONDENSER
Induced-draft design with copper coil and patent-pending heat-transfer technology. Reduces refrigerant charge up to 40 percent and lowers fan energy consumption up to 50 percent.



RECOLD JC EVAPORATIVE CONDENSER
Forced-draft, low profile design. G-235 galvanized steel factory assembled structure. Also available in 300 series stainless steel. Proven copper coil technology.

MARLEY CUBE DTC COUNTERFLOW EVAPORATIVE CONDENSER
Induced-draft indirect evaporative heat exchanger that converts refrigerants from vapor to liquid and efficiently rejects heat to atmosphere. Available in 8.5', 10' and 12' nominal widths and four nominal lengths from 12' to 36' to meet refrigeration requirements.

RECOLD MC COUNTERFLOW EVAPORATIVE CONDENSER
Induced-draft design utilizes corrosion resistant and heat transfer advantages of copper coil to efficiently condense refrigerant from vapor to liquid and reject heat to atmosphere.

Special Applications

- Heavy industrial
- Chemical processing, refining
- Power generation

MARLEY CLEARSKY® PLUME ABATEMENT AND WATER CONSERVATION SYSTEM
A fully-integrated patented system that operates more efficiently than coil-based systems. By using a series of PVC heat exchanger modules in the tower plenum, ambient air condenses much of the moisture before it exits the tower, thereby reducing the plume. The ClearSky system can lower installation and operating costs compared to coil systems and can be installed on existing Marley counterflow field-erected cooling towers. It offers the added benefit of reducing water consumption by up to 20 percent or more.

MARLEY PPWD HYBRID PLUME ABATEMENT COOLING TOWER
The parallel-path/wet-dry hybrid cooling tower offers efficient cold water temperatures with reduced visible plume and enhanced water conservation.

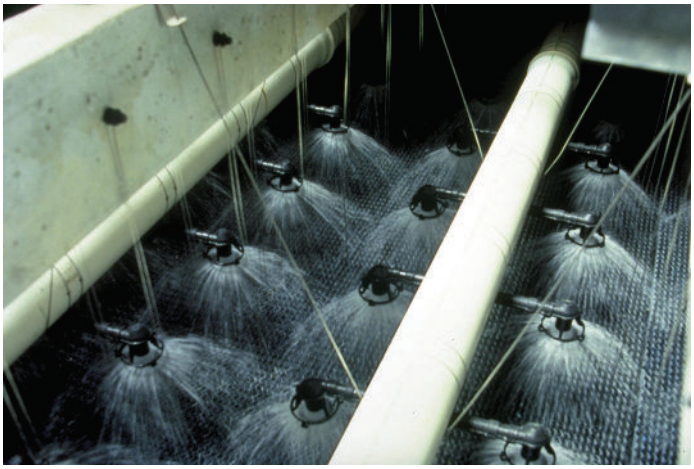
MARLEY AIR COOLED HEAT EXCHANGER
Marley air cooled heat exchangers stand up to the demanding requirements for heat transfer processes in chemical, oil and gas, process cooling and power generation applications. Available in a range of materials and design configurations.

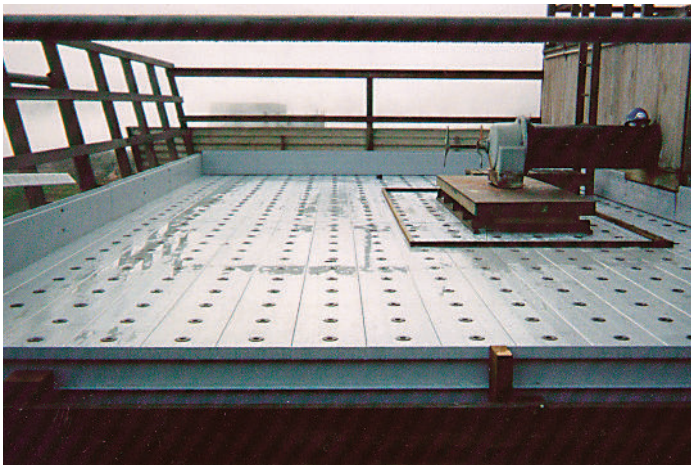
Marley Aftermarket Parts

- Quality engineered
- Precision crafted
- Available for a broad range of specialized heat exchangers
- Available for other OEM cooling towers

We design, manufacture and stock essential cooling tower and heat exchanger components, including:

- Fans
- Gearboxes
- Motors
- Driveshafts
- Valves
- Structural components
- Fill
- Nozzles
- Drift eliminators
- Belt drive components
- Fan cylinders
- Water management solutions





Reconstruction and Services

- Repair and reconstruction
- Inspections and condition reports
- Performance testing
- Extended warranties

Our reconstruction experts are qualified to rebuild your field-erected cooling tower to enhance its performance, regardless of manufacture, whether large or small, crossflow or counterflow

For many older towers, reconstruction is a cost-effective alternative to replacement. Our engineering and reconstruction teams work together to make old towers as good as new—or even better!.

Services

CONCRETE TOWER REPAIR AND RECONSTRUCTION

Our skilled task force of engineering, production and construction specialists are ready to upgrade, refurbish and repair your concrete cooling tower, whether manufactured by SPX or others. Tap into our extensive concrete experience — spanning over nearly 100 years to the very first concrete natural draft hyperbolic tower.

INSPECTIONS AND CONDITION REPORTS

Our reconstruction specialists have been trained to analyze the condition of your cooling equipment — and its capability to be successfully repaired, rebuilt or upgraded. Ask your SPX Cooling Tech sales representative for an inspection and condition evaluation of your cooling system.

MAINTENANCE

Let our cooling system experts support your maintenance experts. We can provide hands-on maintenance assistance to supplement your internal capabilities.

PERFORMANCE TESTING

You can't know how much any reconstruction effort has improved your tower unless you know how your tower is performing now. Our staff of testing and ratings engineers can help you to gain that vital information.

Water Management Solutions

- Limit maintenance
- Conserve water usage
- Extend equipment life

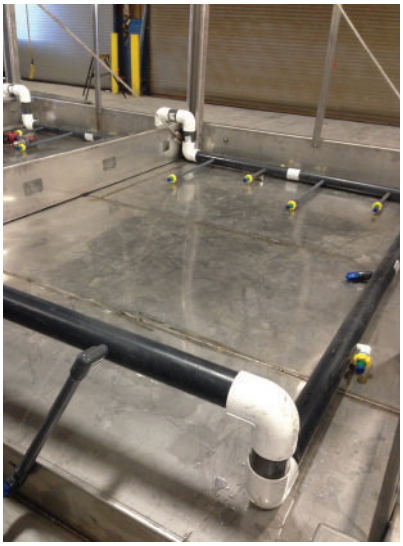
Water management is a crucial step to maintaining cooling tower hygiene. These Marley Water Management Tools can help cooling tower owners and water treatment professionals stay proactive and even limit onsite water usage.

MARLEY BASINGARD™ FILTER

Filter system for factory-assembled crossflow cooling towers with or without nozzle cups. The filter is designed to help capture mineral scale, pipe rust, fibers and other debris in the hot water basin, and extends equipment life by preventing debris from reaching other components downstream.

MARLEY WATERGARD™

This water-saving membrane filtration system for evaporative cooling equipment pre-conditions cooling tower makeup water to enable equipment operation at increased Cycles of Concentration (COC) – potentially up to 10 COC or more – reducing wastewater and overall water usage.



MARLEYGARD™ CHEMICAL DELIVERY SYSTEM

A robust control panel that facilitates delivery of cooling tower treatment agents and monitoring of cooling tower water quality. Professional water treaters should be consulted to perform chemical delivery services.

MARLEYGARD™ SWEEPER PIPING SYSTEM

Installed in a cooling tower's cold water basin, Marley's sweeper piping solution helps remove sediment and debris, discourages "slow-flow" areas and helps prevent biofilm formation and bacterial growth.

Products and Services

SPX COOLING TECH, LLC
7401 WEST 129 STREET
OVERLAND PARK, KS 66213 USA
913 664 7400 | spxcooling@spx.com
spxcooling.com

G-24 | ISSUED 7/2024

SPX TECHNOLOGIES