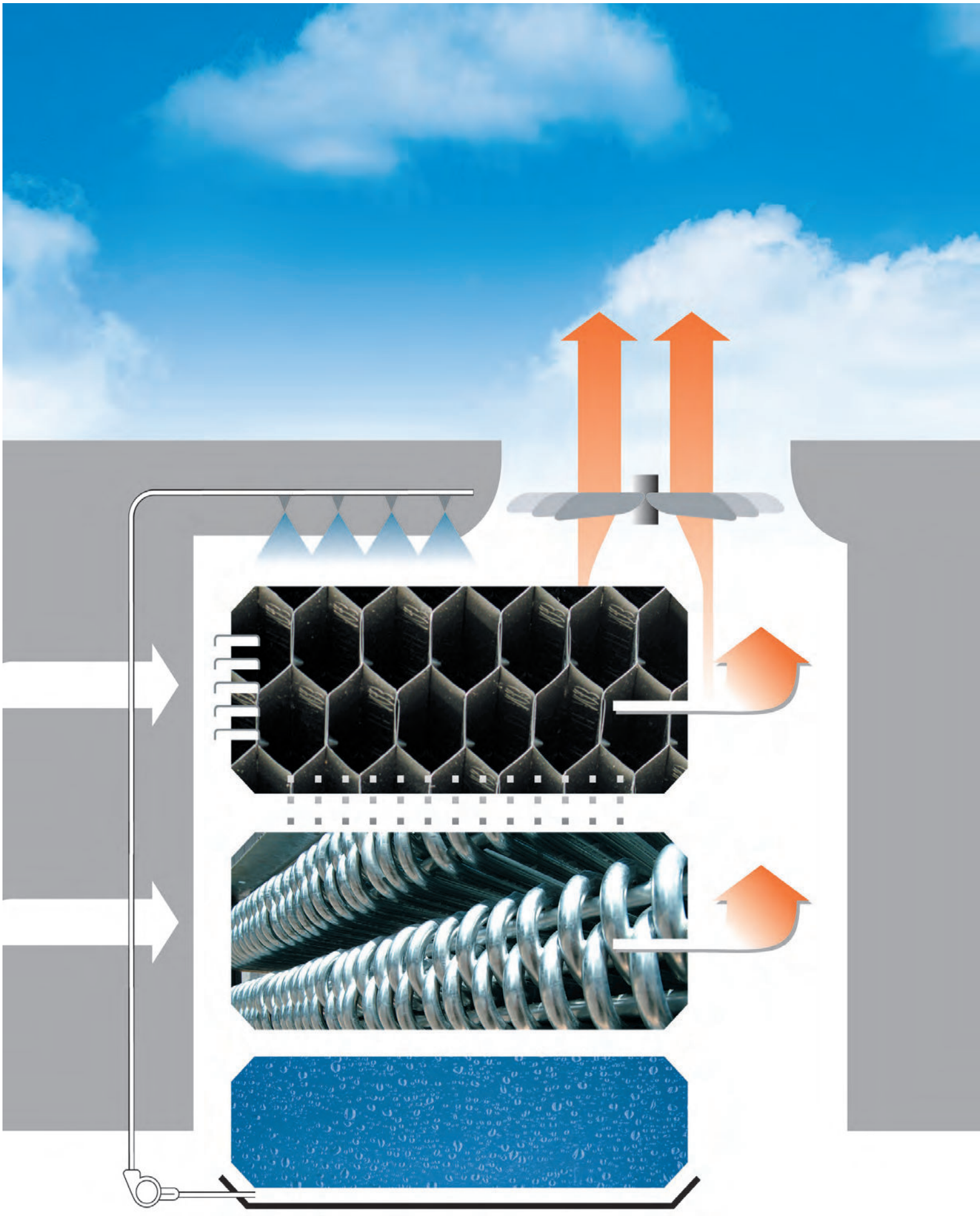
# **MH** fluid cooler

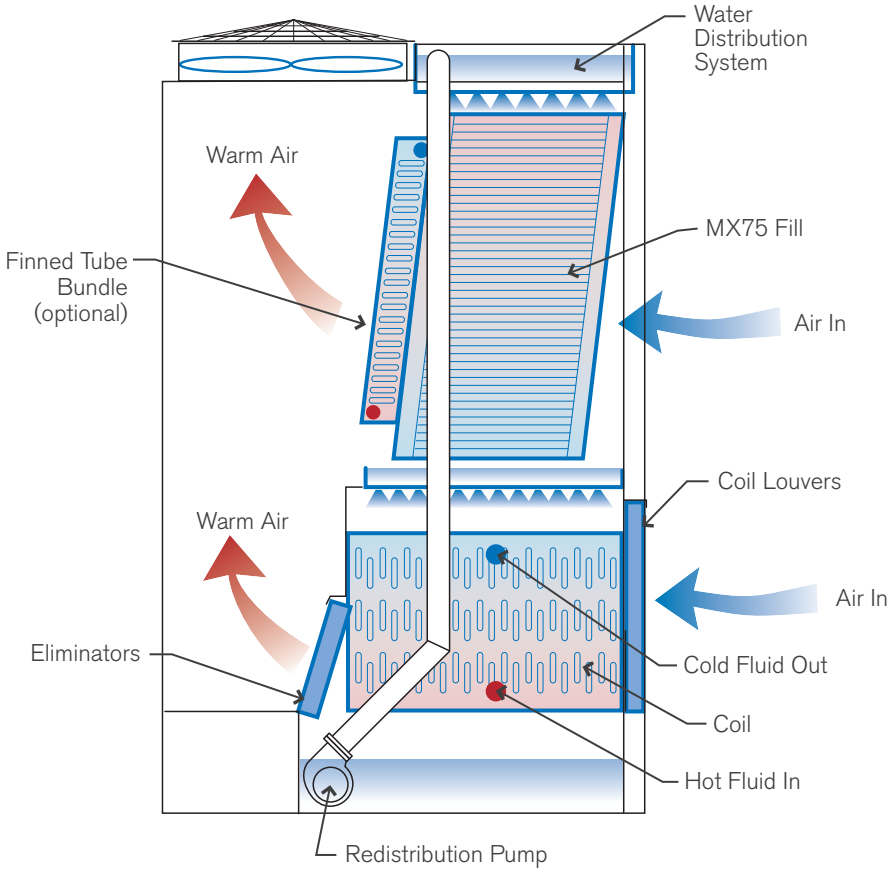
**HYBRID DESIGN. HIGHER PERFORMANCE.**

MARLEY®



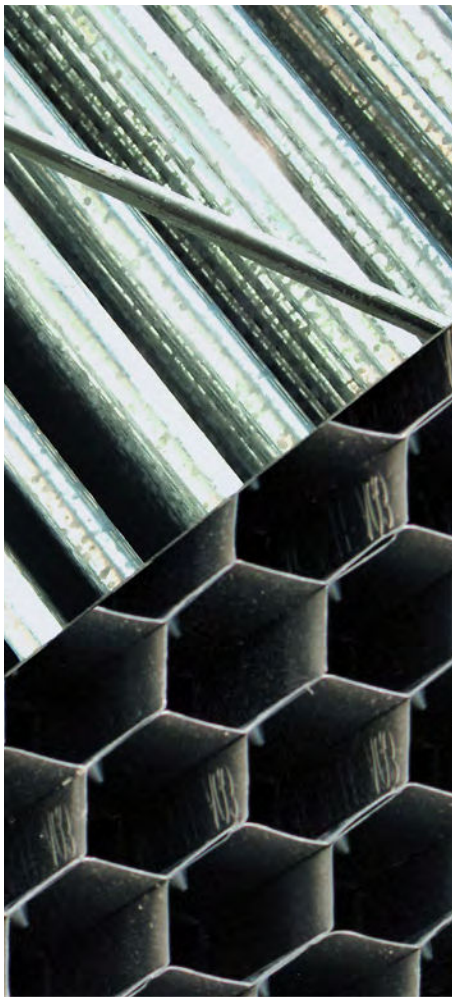
# Hybrid Design.

Utilizing a combination of evaporative fill media and prime surface coil(s), the MH Fluid Cooler offers significantly improved performance over conventional closed circuit coolers.




- Process fluid is pumped internally through the coil
- Heat is transferred from the process fluid to the recirculating water as it flows over the outside of the coil tubes
- The heated recirculating water is pumped from the collection basin to the gravity distribution basin
- Evenly distributed over the fill media and coil, a small portion of the recirculating water is evaporated, efficiently rejecting heat to the atmosphere

- Optimum fluid paths maximize heat transfer potential
- High efficiency components minimize footprint
- Evaporative fill media reduces the coil surface area required
- An optional finned coil can be selected to provide dry cooling capacity in cold ambient conditions



- Protect process fluids from contamination
- Combine the functionality of a cooling tower and heat exchanger in one piece of equipment
- Maximize system efficiency by reducing fouling and scaling tendencies
- Reduce system energy and maintenance costs
- Conserve valuable space in equipment rooms
- Provide reliable, efficient, year-round operation

The Marley MH Fluid Cooler is one of the most energy efficient closed circuit systems on the market and a great choice for closed loop Industrial and HVAC applications.

**Maximum Efficiency**

Hybrid design and high efficiency components deliver consistent, reliable cooling with low input power.

**Space Saving Footprint**

With higher capacity per footprint than conventional closed circuit designs, the MH Fluid cooler is a great fit for applications with space restrictions.

**Unmatched Reliability**

Heavy duty construction backed by our 5-year mechanical warranty helps keep your process running smoothly year after year.

**Certified Performance**

Thermal capacities of standard models are independently certified by the Cooling Technology Institute for performance with water, ethylene glycol solutions and propylene glycol solutions.

**Low Sound Operation**

Equipped with low-sound fans as standard, the MH Fluid Cooler is suitable for most noise sensitive situations. Multiple fan and attenuation options are available to meet more stringent sound requirements.

**Copper Coil Option**

Select models are now available with copper coils offering superior corrosion resistance, improved heat transfer, reduced operating weight and numerous other benefits. CTI Certified.

**Optional Dry Capability**

Models available with an optional extended-surface coil for part-load dry operation in cold ambient conditions.

MARLEY®

# Higher Performance.

### COOLBOOST TECHNOLOGY

- Utilizes high-efficiency components and optimum fluid paths to boost cooling dramatically when compared to forced-draft units with comparable footprint
- Requires up to 35% less process fluid to fill the coil
- Weight is reduced by 15% or more

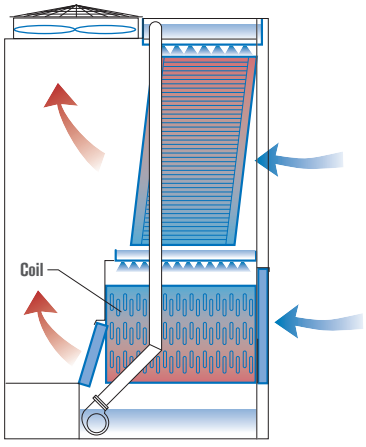
### COIL MATERIAL OPTIONS

Coil materials to suit a variety of application needs including:

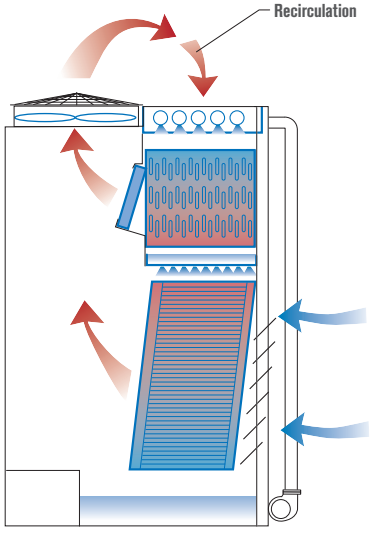
- Hot dip galvanized steel
- Copper
- Series 300 stainless steel

### STRATEGIC COIL LOCATION

- Less risk of hot discharge air recirculation
- Easier to access and clean




Marley MH Fluid Cooler




Other Leading Fluid Cooler

# Maximum Efficiency.

**NEED EFFICIENT CLOSED-LOOP COOLING?**

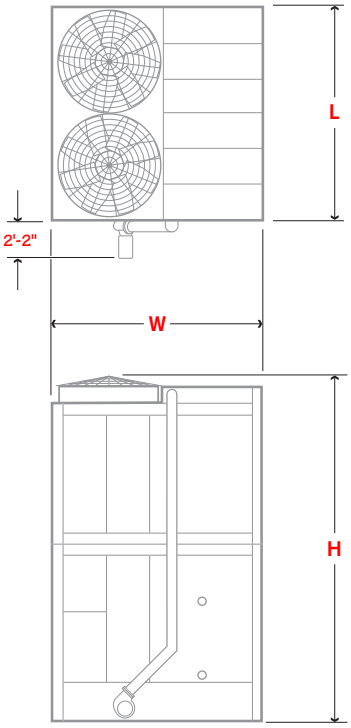
The MH Fluid cooler provides just that, with unit capacities exceeding ASHRAE Standard 90.1 energy efficiency requirements.

Find the right tower for your application at spxcooling.com/update

Single-Flow Models

| Models | Tons* | L | W | H |
|---|---|---|---|---|
| MHF7101 | 31 – 80 | 6'-1" | 8'-4" | 12'-11" – 14'-5" |
| MHF7103 | 71 – 141 | 9'-1" | 8'-4" | 14'-7" – 17'-5" |
| MHF7105 | 92 – 201 | 12'-1" | 8'-4" | 14'-7" – 17'-5" |
| MHF7107 | 148 – 309 | 12'-1" | 11'-11" | 17'-5" – 20'-3" |
| MHF7109 | 234 – 351 | 18'-1" | 11'-11" | 17'-5" – 19'-0" |

* Based on 3 gpm/ton at 95°F Hot Water, 85°F Cold Water, 78°F Wet-Bulb. Varies depending on configuration.



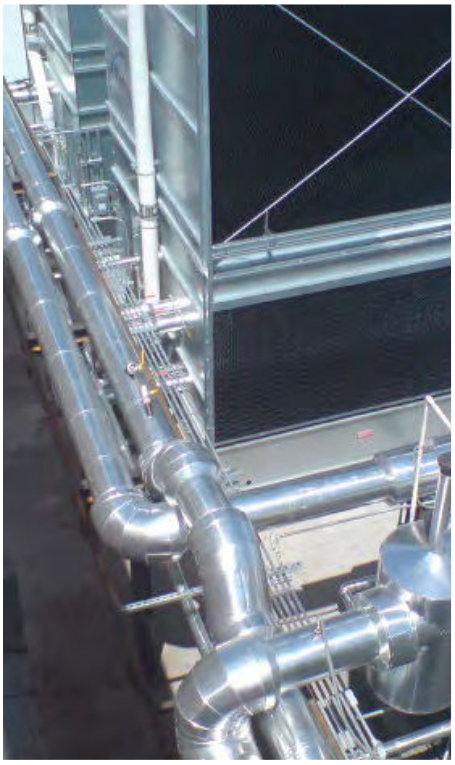

CTI CERTIFIED

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

U.S. GREEN BUILDING COUNCIL MEMBER

FM APPROVED (available option)

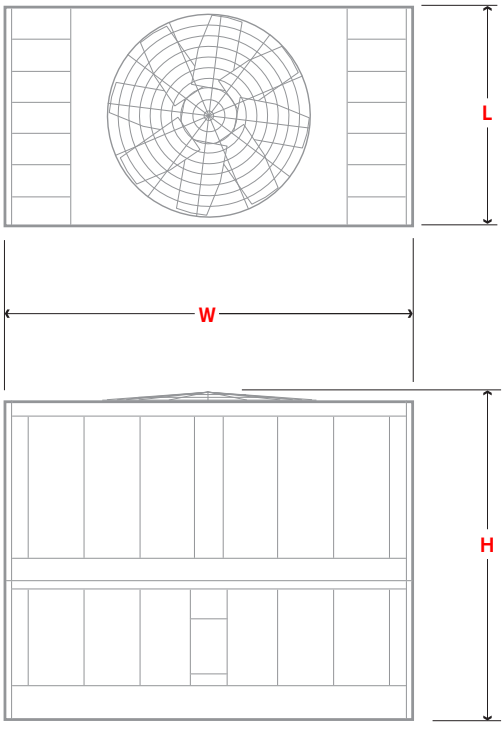
# Maximum Marley.



Double-Flow Models

| Models | Tons* | L | W | H |
|---|---|---|---|---|
| MHF7111 | 310 – 528 | 11'-11" | 23'-10" | 21'-6" |
| MHF7113 | 410 – 628 | 13'-11" | 25'-10" | 21'-6" |

* Based on 3 gpm/ton at 95°F Hot Water, 85°F Cold Water, 78°F Wet-Bulb. Varies depending on configuration.

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# Marley MH
## FLUID COOLER

### ADDITIONAL MH FLUID COOLER PUBLICATIONS

For further information about the MH Fluid Cooler – including engineering schematics, data, layout requirements and more – download these MH fluid cooler publications and others at spxcooling.com.

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 products at spxcooling.com.

Marley NC Cooling Tower

Marley MD Cooling Tower

Recold JW Fluid Cooler

Marley MC Fluid Cooler

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