

Evaporative Cooling is Responsible Cooling

SAVE ENERGY. SAVE WATER. SAVE LIFECYCLE COSTS.



Green is cool. Cool is green.

Green builders looking for an environmentally responsible cooling system and exceptional performance need look no further. SPX Cooling Technologies, a U.S. Green Building Council member and LEED® (Leadership in Energy and Environmental Design) advocate, offers you the perfect solution:

Evaporative cooling.



Green builders build with SPX Cooling Technologies.

As a cooling industry leader in the green movement, SPX Cooling Technologies can deliver the evaporative cooling systems and water treatment strategies to help achieve your sustainable building goals.



Where water resources are available, evaporative cooling is the lowest-cost, most energy-efficient solution – delivering benefits that are central to any sustainable building design:

- Energy savings** Depending on local weather, HVAC evaporative cooling systems can **reduce energy consumption one-half to one-third of air-cooled equipment**, thereby reducing your carbon footprint.
- Water savings** Depending on climate and configuration, the Marley NCWD cooling tower can conserve up to 20% of the water usage of a standard cooling tower.
- LEED credits** Evaporative cooling systems* from SPX Cooling Technologies can achieve **significantly better than ASHRAE 90.1 minimum efficiency thresholds**, providing green builders one more way to receive LEED energy reduction credits.
- Clean air** Not only is evaporative cooling an environmentally friendly process that uses naturally replenished water – **it provides about 95% effectiveness at cleaning the air** that flows through the system.
- Cost savings** Evaporative cooling systems require significantly **less maintenance over the lifecycle** than other cooling systems – which translates, simply, into more green at the bottom line.
- Recyclability** SPX Cooling Technologies' evaporative cooling towers are comprised of **70% recycled materials** when made from stainless steel, and 29% recycled materials when made from galvanized steel.

*The difference between the energy consumption of a cooling system more efficient than the ASHRAE 90.1 minimum, and the minimum value, contributes to the LEED energy savings credit for a building.

Evaporative cooling with water treatment strategies saves water. Do the math.

Want to find out just how big a reduction in water usage you could achieve with SPX evaporative cooling? Go to www.spxcooling.com/green/leed and **click on our Water Usage Calculator**. Simply enter your operating conditions to calculate a variety of key data, such as blow down and total usage in cubic metres per hour (m³/h). We think you'll find your potential savings very cool indeed.

Operating Conditions				
Tower Water Flow	1000	gpm	227	m ³ /h
Hot Water Temperature	95.00	°F	35.00	°C
Cold Water Temperature	85.00	°F	29.44	°C
Wet-Bulb Temperature	78.00	°F	25.56	°C
Drift Rate	0.005	%		
Concentrations	3			

Water Usage				
Evaporation	10.35	gpm	2.35	m ³ /h
Drift	0.05	gpm	0.01	m ³ /h
Blow down	5.12	gpm	1.16	m ³ /h
Total Usage	15.52	gpm	3.53	m ³ /h

Generate Curves*

To learn more about all of our evaporative cooling solutions, visit spxcooling.com or call 44 1905 750 270.

Evaporative Cooling

IS RESPONSIBLE COOLING

COOL IS
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SPX Cooling Technologies is a world leading full-line cooling tower and air-cooled condenser manufacturer. The company provides exceptional quality evaporative cooling towers, fluid coolers and evaporative condensers under the Marley and Recold brand names.



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