Marley OSHPD Seismic INSIGHT

Overview

The Marley® NC cooling tower has OSHPD pre-approved cooling solutions for all levels of seismic requirements.

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Primary Benefits

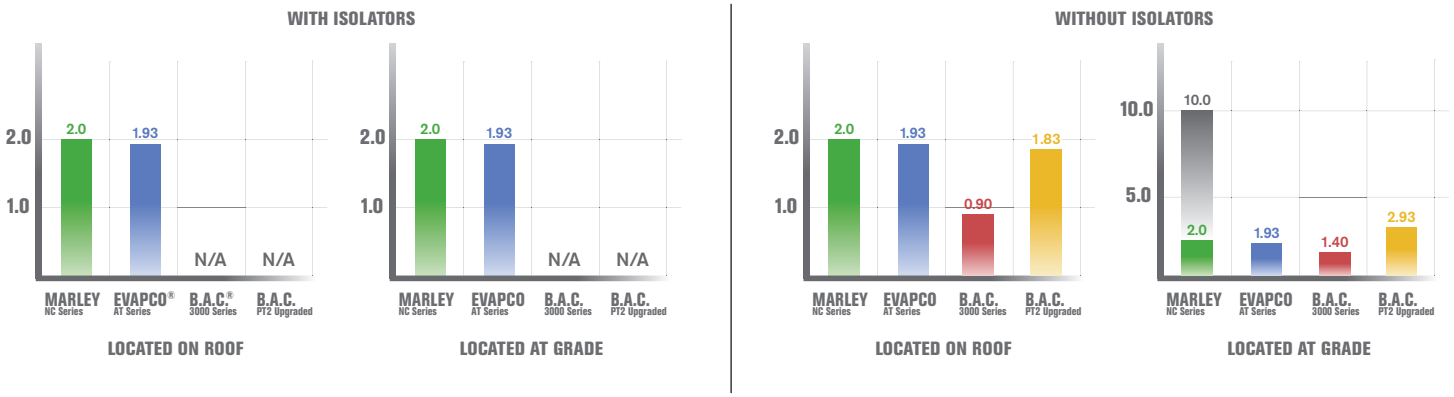
- There are over 450 hospitals in California that require OSHPD approved equipment for cooling.
- Marley's NC pre-approval S_{DS} levels exceed those of any other manufacturer of cooling towers for applications on roof or with isolators.
- Marley has many tested and pre-approved options available.

S_{DS} Level and Design g

- The Marley NC tower was tested with isolators for on-roof conditions (toughest pre-approval condition).
- The 2.0 S_{DS} value at this test condition equates to a 4.5 design g equivalent.
- For at-grade without isolators, a 4.5 design g has a calculated S_{DS} value of 10. This is higher than any current pre-approved level.

more

OSHPD OSP Pre-Approval Levels — S_{DS} g*



† *Marley calculated S_{DS} equivalent*
†† *Only pre-approved up to 502 tons*

OSHPD Seismic INSIGHT

	Marley NC	Evapco AT	BAC 3000	BAC PT2
Galvanized Carbon Steel	✔	✔	✔	✔
Stainless Steel	✔	✔	✔	✔
Hard Mounted Installation	✔	✔	✔	✔
Isolator Installation	✔	✔		
Quiet Fan Options	✔	✔		
Vibration Switch	✔			
Cold Water Basin Electric Heat and Controls	✔			
Cold Water Basin Water Level Sensor and Controls	✔			

What is OSHPD and OSP?

Low Maintenance:

- OSHPD is the Office of Statewide Health and Planning Development (OSHPD) which reviews and pre-approves special seismic certification of equipment and components to be used in health facility construction under a program called OSHPD Special Seismic Certification Pre-approval (OSP).
- The specific level of seismic activity (S_{DS}) required is based on site location, height of the installation (on roof or at grade), and use of isolators.

Source: oshpd.ca.gov

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