Overview

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

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.

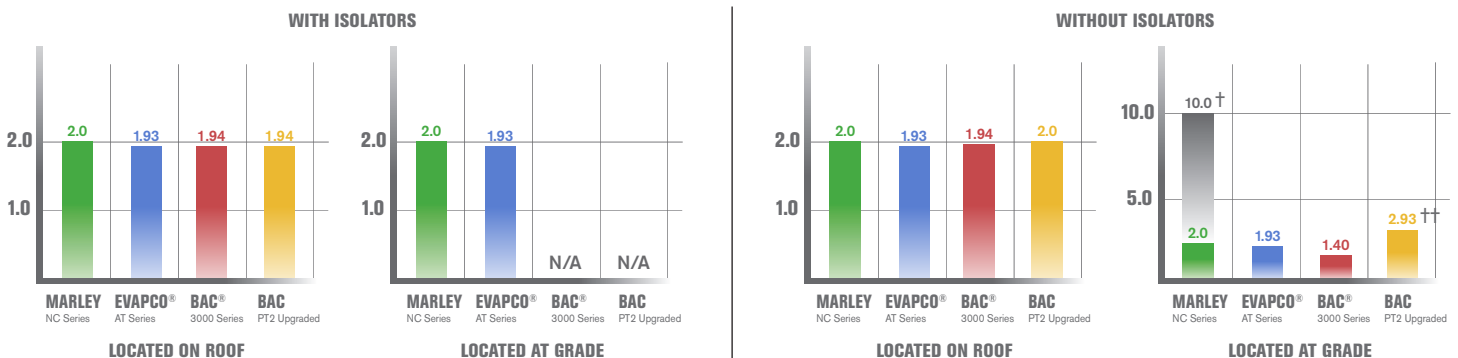What equipment is currently pre-approved?

- Use the chart below, or visit:
  oshpd.ca.gov/FDD/Pre-Approval/special_seismic_cert_pre-approval.html

more ||▶

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

* *Source: oshpd.ca.gov*

WITH ISOLATORS

LOCATED ON ROOF

	MARLEY NC Series	EVAPCO® AT Series	BAC® 3000 Series	BAC PT2 Upgraded
	2.0	1.93	1.94	1.94

LOCATED AT GRADE

	MARLEY NC Series	EVAPCO® AT Series	BAC® 3000 Series	BAC PT2 Upgraded
	2.0	1.93	N/A	N/A

WITHOUT ISOLATORS

LOCATED ON ROOF

	MARLEY NC Series	EVAPCO® AT Series	BAC® 3000 Series	BAC PT2 Upgraded
	2.0	1.93	1.94	2.0

LOCATED AT GRADE

	MARLEY NC Series	EVAPCO® AT Series	BAC® 3000 Series	BAC PT2 Upgraded
	10.0 † / 2.0	1.93	1.40	2.93 ††

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

	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 Heater 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

SPX®