YORK®
INSTALL CONFIDENCE

Chillers Built to Last

Seismic-approved Chillers

Johnson Controls

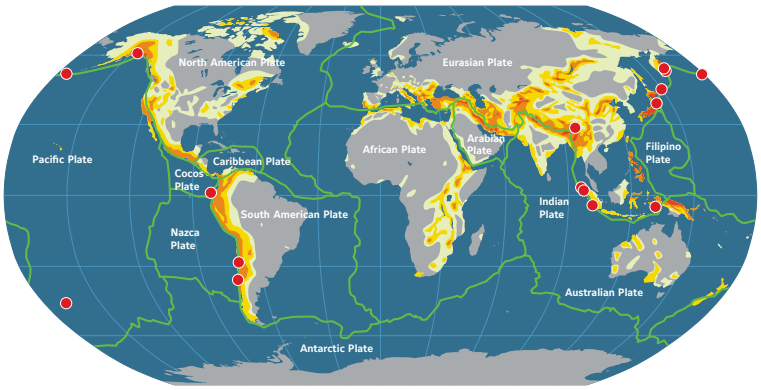
Shaken, tested and proven.

Throughout history, earthquakes have had a devasting impact on human populations and infrastructure. Designing buildings to withstand earthquakes is a sensible, ethical goal for areas with high seismic activity risk. The International Code Council (ICC) and The California Office of Statewide Health Planning and Development (OSHPD) play an important role in defining and identifying building equipment that can remain operational after a seismic event.

Many countries, including the United States, have adopted International Building Code (IBC) standards published by the ICC. These IBC standards require non-structural components – including HVAC systems and electrical equipment that are located in an essential facility such as a hospital, police station or emergency shelter – to remain operable after a seismic event. To meet the IBC requirement, manufacturers must demonstrate compliance by either shaker-table testing, analysis or experience data.

In 2004, Johnson Controls was the first manufacturer to successfully complete a shaker-table test on a large capacity, water-cooled, centrifugal chiller. In 2018, Johnson Controls successfully completed a recertification for YORK® YK and YMC² water-cooled chillers. YORK® YVAA and YLAA air-cooled chillers also have active seismic certifications.

YORK® water-cooled and air-cooled chillers also meet the more stringent OSHPD Special Seismic Certification Preapproval. To earn Special Seismic Certification Preapproval, several models within a product line are required to demonstrate functional operation and maintain structural integrity after a shaker-table test. The testing must also be performed in an accredited test laboratory or supervised by an independent, California licensed engineer.

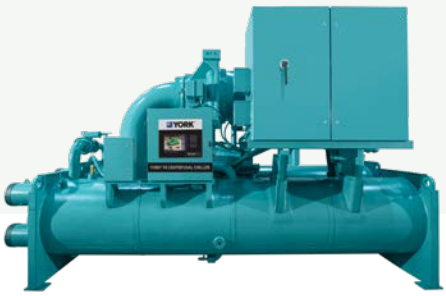


Probable Intensity (50 years)

- Very Low
- Low
- Average
- High
- Very High
- Event above 8.5 (Recorded since 1900)

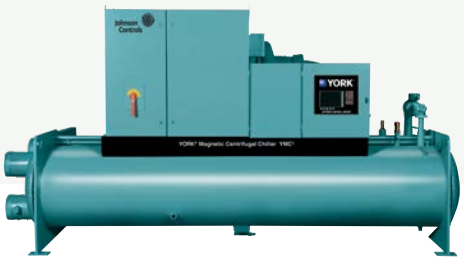
All Johnson Controls equipment is engineered and manufactured for the highest levels of safety. For both IBC and OSHPD certification reports for your specific application, contact your local sales office. And remember – when seismic activity threatens your facility, YORK® chillers are built to last.

YORK® YK Centrifugal Chillers



- S_{DS} level of 2.5g at z/h=0 (at grade)
- S_{DS} level of 1.85g at z/h=1 (rooftop)
- Certification valid for units mounted on neoprene pads
- OSP-0045-10

YORK® YMC² Centrifugal Chillers



- S_{DS} level of 2.0g at z/h=0 (at grade)
- S_{DS} level of 2.0g at z/h=1 (rooftop)
- Certification valid for units mounted on neoprene pads or spring isolators
- OSP-0159-10

YORK® YLAA Air-Cooled Scroll Chillers

- S_{DS} level of 2.5g at z/h=1 (rooftop)
- Certification valid for units mounted on neoprene pads
- OSP-0374-10

YORK® YVAA Air-Cooled Scroll Chillers

- S_{DS} level of 1.95g at z/h=1 (rooftop)
- Certification valid for units mounted on neoprene pads
- OSP-0317-10

This certification meets the requirements of the 2015 International Building Code (IBC), 2016 California Building Code, and ASCE 7-10

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About Johnson Controls

With YORK® Chiller Solutions from Johnson Controls, we provide the widest variety water and air-cooled industrial and commercial chillers on the market. From reducing your facility's carbon footprint, to delivering a healthier indoor environment and cutting energy costs, we create smaller, more energy efficient chillers tailored to fit almost any comfort or process cooling application – even heating.

For more information on products designed specifically for applications that require seismic certification, contact your local Johnson Controls representative.

OSHPD

ICC INTERNATIONAL CODE COUNCIL®

For more information, visit johnsoncontrols.com

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