

Liquid-to-Liquid Heat Exchangers (LLHE)

Certification Program

AHRI's globally recognized and industry respected certification program helps manufacturers sell more products, win bids, and comply with government requirements. Certify products with AHRI and stand out from the crowd.



Related Standard

Products in the LLHE Certification program are tested to AHRI Standard 400, *Liquid to Liquid Heat Exchangers*.

Program Scope

This program applies to production models of gasketed plate-type heat exchangers that utilize water or sea water on one or both circuits for HVAC applications only.

Program Scope Exclusion

This certification program excludes all of the following:

- Heat exchangers used for phase-change heat transfer;
- Heat exchangers used for non-liquid heat transfer;
- Heat exchangers used for food-based processes;
- Heat exchangers with a capacity greater than 240,000,000 Btu/h;
- Heat exchangers with a flow rate greater than 20,000 gpm;
- Heat exchangers with pass arrangements above 3 passes per side; or
- Heat exchangers with unequal number of passes per side.
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Program Highlights

- Participants based in 6 countries across 3 continents
- All certified heat exchangers can be tested with the industry-developed down-scaling procedure, allowing accurate testing of large units without testing additional models
- Performance data verification creates added assurance

Certified Ratings

- Total Heat Transfer Rate, Btu/h [W]
- Hot Stream Pressure Drop, psig [kPa]
- Cold Stream Pressure Drop, psig [kPa]

Visit www.ahrirectory.org

Contact
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for more information.

In the Asia Pacific region, please contact
Bridge Xue at bxue@ahrinet.org or 138 1043 2200.



The [AHRI Certification Program](#) is a voluntary program, administered and governed by the Air-Conditioning, Heating, and Refrigeration Institute (AHRI), which ensures that various types of heating, ventilation, air conditioning, refrigeration, and water heating products perform according to manufacturers' published claims. Products that are certified through the AHRI Product Performance Certification Program are continuously tested, at the direction of AHRI, by an independent third-party laboratory, contracted by AHRI, to determine the product's ability to conform to one or more product rating standards or specifications.