

Refrigerant Recovery/Recycling Equipment (RRRE)

Certification Program

AHRI is the world's most trusted source of performance certified heating, cooling, ventilation and commercial refrigeration equipment and components. Only products that have passed AHRI's rigorous third-party testing can display the AHRI Certified mark. Find certified products at www.ahridirectory.org.



Related Standard

Products in the RRRE certification program are tested to AHRI Standard 740, *Performance Rating of Refrigerant Recovery Equipment and Recovery/Recycling Equipment*.

Program Scope

The certification program includes packaged terminal heat pumps as defined below.

This program applies to all production models of refrigerant recovery equipment, refrigerant recycling equipment, and refrigerant recovery/recycling equipment as defined below. The scope does not preclude equipment capable of refrigerant reclamation in a recycling certification mode.

■ Refrigerant Recovery Equipment.

A piece of self-contained or system-dependent equipment capable of removing refrigerant, in any condition, from a system and storing it in an external container.

■ Refrigerant Recycling Equipment.

A piece of self-contained equipment capable of reducing contaminants in used refrigerants by separating oil, removing non-condensables and reducing moisture, acidity, and particulate matter to the levels prescribed in Industry Recycling Guideline (IRG-2).

■ Refrigerant Recovery and Recycling Equipment.

A piece of self-contained equipment capable of refrigerant recovery and recycling functions as noted above.

■ System Dependent Equipment.

Refrigerant recovery equipment which requires for its operation the assistance of components contained in an air-conditioning or refrigeration system.

Certified Ratings

The following certification program ratings are verified by test:

- Push/pull liquid recovery rate (kg/min)
- Liquid recovery rate (kg/min)
- Vapor recovery rate (kg/min)
- Final recovery vacuum level (kPa)
- Recycle flow rate (kg/min)
- Moisture (PPM by wt.)
- Acidity (PPM by vol.)
- Non-condensables (% by vol.)
- High temperature vapor recovery rate (kg/min)
- Residual trapped refrigerant (kg)
- Quantity of refrigerant processed at rated conditions (kg)
- High boiling residue (% by vol.)

Visit www.ahridirectory.org

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In the Asia Pacific region, please contact
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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.