

Non-Condensable Gas Purge Equipment for Use with Low Pressure Centrifugal Liquid Chillers (PRGE)

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 PRGE certification program are tested to AHRI Standard 580, *Non-condensable Gas Purge Equipment for Uses with Low Pressure Centrifugal Liquid Chillers*.

Program Scope

This program applies to non-condensable gas purge equipment for use with low pressure centrifugal liquid chillers as defined below, for which published ratings are available, and which can be tested in the Independent third-party laboratory contracted by AHRI.

A device, used with low pressure centrifugal liquid chillers used to separate non-condensable gases from refrigerant and remove them from the refrigeration system. If the purge device contains a secondary separation media, the following types are defined within the standard:

- Automatically Regenerated Media. Media that is recycled at the purge system to remove entrained refrigerant and return this refrigerant to the chiller. The regeneration process is initiated automatically by the purge control system.

- Manually Regenerated Media. Media that is recycled at the purge system to remove entrained refrigerant and return this refrigerant to the chiller. The regeneration process is setup and initiated by an operator.
- Replaceable Media. Media that is removed from the system and replaced with new or recycled media. The media from the system is processed to ensure refrigerant is not released to the atmosphere.

Certified Ratings

- Concentration, ratio of mass of refrigerant to mass of air, g of refrigerant/g of air
- Refrigerant holding capacity where applicable, g

Visit www.ahridirectory.org

Contact
certification@ahrinet.org
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.