

TO: All Weil-McLain Distributors and Agents
FROM: Mike Boyd – Product Marketing Manager
SUBJECT: **AHRI – Immediate Mandatory Rerate of Industry's Modulating Condensing Residential Boilers**

The Air-Conditioning, Heating and Refrigeration Institute (AHRI) recently discovered an error in the Department of Energy's testing procedure regarding modulating condensing residential boilers and furnaces.

The second page of this bulletin includes a copy of a press release recently issued by AHRI that outlines the issue and immediate action required by all manufacturers of modulating condensing boilers under 300 MBH input.

As a result of this directive, Weil-McLain's Ultra and WM97+ boiler AFUE ratings on the AHRI web site have been temporarily lowered to the 90% efficiency level until such time that we can rerate the affected boilers using the revised testing requirements recently issued by AHRI. Our GV90+ boilers are not affected as these are not modulating boilers.

Weil-McLain active affected boilers

- Ultra Series 3-UE: 80, 105, 155, 230 & 299
- WM97+ Series 1: 70, 110 & 155

Re-testing of the above listed Weil-McLain® boilers has started. We anticipate new published ratings by the end of December.

We will provide an update when the new AFUE ratings are available.

AHRI News Release link:

<http://www.ahrinet.org/ahri+addresses+uncertainty+in+doe+test+procedure+for+modulating+condensing+residential+boilers.aspx>



News Release

FOR IMMEDIATE RELEASE

November 19, 2012

Contact: Francis Dietz, Vice President, Public Affairs

703-600-0355

AHRI Addresses Uncertainty in DOE Test Procedure for Modulating Condensing Residential Boilers *Immediately Implements Changes; Working with DOE on Permanent Fix*

Arlington, VA — An internal review by the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) recently revealed an aspect of the current Department of Energy (DOE) efficiency test procedure for residential furnaces and boilers that may result in an inaccurate AFUE measurement for two-stage or modulating condensing residential boilers. The problem in the test procedure is in the calculations used to determine the AFUE when selecting the option of skipping the heat-up and cool-down tests. These ratings were based on the current DOE efficiency test procedure, and the error is due to an inconsistency in those procedures rather than a failure to properly conduct the DOE test. All the involved models are highly efficient and exceed the current federal minimum AFUE for these products, so there is no issue with their compliance with federal minimum efficiency standards. “As soon as we discovered this test procedure inconsistency, we moved expeditiously not only to ensure accurate equipment ratings for consumers and in the AHRI Directory, but also to work with DOE officials to ensure the issue is corrected for all products,” said AHRI President & CEO Stephen Yurek. He said that AHRI has implemented the following actions:

- Requiring all new model certifications and AHRI certification tests of all currently listed models for this subcategory of boilers to include heat-up and cool-down tests;
- Requiring the manufacturers of all existing models in this subcategory of boilers that are listed in AHRI Directory of Certified Product Performance to **immediately do one of the following**: (1) drop the rating to 90%; (2) discontinue the model; or (3) provide test results which include the heat-up and cool-down tests that support a higher rating; and
- Developing appropriate calculations to determine the correct AFUE for two-stage and modulating condensing boilers.

In a November 19 meeting, Yurek, AHRI General Counsel David Calabrese, and other AHRI staff briefed DOE officials about the issue and discussed appropriate steps to remedy the situation. In the meeting, AHRI urged DOE officials to expeditiously notify those manufacturers that are not participants in AHRI’s certification program (Allied Engineering Company Div. of E-Z-Rect Manufacturing Ltd; Baxi Spa; Conematic Heating Systems Inc.; Hamilton Engineering; Navien America Inc.; Quietside; and Quincy Hydronic Technologies) of the issue so that the Department can take steps to ensure proper AFUE ratings for their affected products.

Access the AHRI Directory of Certified Product Performance (www.ahridirectory.org) for the most up-to-date information on the efficiency ratings for these products.