



ASME and Commercial Water Heater Products

American Society of Mechanical Engineers



All states have codes that require that water heaters be constructed in accordance with the *ASME Boiler and Pressure Vessel Code Section 4, Part HLW*. At the present time, the ASME code applies only when the input is greater than or equal to 200,000 BTU per hour (about 58 KW) or when the storage capacity is greater than 120 gallons. The exception is the state of Florida where ASME inputs begin at 400,000 BTU. The BPVC was initially published in 1915 and as of May 18, 2005 all states in the US, all the provinces of Canada, regulatory authorities in over 80 countries have adopted the BPVC.

All Rheem commercial models with inputs above 200,000 BTU per hour are available with construction in accordance with the ASME Boiler and Pressure Vessel Code. ASME code applies to single ‘stand alone’ products and not to water heating systems such as “...a water heater with 2 storage tanks...”

Electric immersion thermostat models are available with construction in accordance with ASME Boiler and Pressure Vessel Code. ASME construction may be required if the water heater is installed in an apartment complex that services six or more units, in schools, or in some government buildings. Check your local code requirements.



ASME products are identified in four places on our heaters:

1. Rating Label is imprinted with an “A” at the end of the model number
2. ASME documentation envelope that accompanies each ASME water heater
3. Outer Jacket ID plate – duplicate of official plate
4. Tank ID plate – Official ASME ID plate*
 - Commercial Gas: Welded to tank at hand-hole
 - Commercial Electric: Welded to tank top head near center coupling
 - Standard Storage Tanks: Welded to tank top head near center coupling
 - Large Volume Storage Tanks: Welded to tank 16” above top circulation opening

**HLW-602.3 allows for a duplicate plate to be used should the official plate be concealed by foam.*



Technical Competence, Product Confidence



ASME and Commercial Water Heater Products

For instance, here are the actual four locations (five if you count the crate label) that you can find ASME labeling. This example is from a G100-310A.

Crate label.



Water Heater's rating plate with the Serial Number ending in an "A".



Exterior ASME plate located next to hand hole cleanout pan.

Interior "official" ASME plate welded to the inner tank inside the hand hole cleanout cavity.



The ASME paperwork shipped with the product.

See next page for a sample of the ASME paperwork that is shipped with every ASME water heater.

FORM HLW-6 (Back)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this data report are correct and that all details of design, material, construction, and workmanship of this water heater or storage tank conform to Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"HLW" Certificate of Authorization no. _____ expiration date _____.

Date _____ Name _____ Signed _____
(manufacturer that constructed and certified water heater or storage tank) (by representative)

CERTIFICATE OF SHOP INSPECTION

Constructed by _____ at _____
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the state or province of _____ and employed by _____

have inspected parts referred to as data items _____
and have examined Manufacturer's Partial Data Reports for items _____

and state that, to the best of my knowledge and belief, the manufacturer has constructed this water heater or storage tank in accordance with Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the water heater or storage tank described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date _____ Signed _____ Commissions _____
(Authorized Inspector) [Nat'l Bd. (incl. endorsements) state, province, and no.]



CERTIFICATE OF AUTHORIZATION

This certificate accredits the named company as authorized to use the indicated symbol of the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the Code symbol and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this symbol shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**RHEEM MANUFACTURING COMPANY
WATER HEATER DIVISION
2600 GUNTER PARK DRIVE EAST
MONTGOMERY, ALABAMA 36109-1419**

SCOPE:

**POTABLE WATER HEATERS AND POTABLE STORAGE TANKS AT THE ABOVE
LOCATION ONLY**

AUTHORIZED: **NOVEMBER 23, 2004**

EXPIRES: **NOVEMBER 27, 2007**

CERTIFICATE NUMBER: **24,475**

Chairman of The Boiler
And Pressure Vessel Committee



Director, Accreditation and Certification