



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 242-88-E Vol. 3

Manufacturer: Aerco International Inc., 159 Paris Avenue, Northvale, N.J. 07647

Trade Name(s): Aerco KC-1000

Product: Gas-fired, sealed combustion hot water heaters

Pertinent Code Section(s): 27-800, 27-886, RS 16 (P107.26), RS 14-2 (ANSI Z223.1)

Prescribed Test(s): RS 14-6 (UL 795)

Laboratory: Underwriters Laboratories Inc.

Test Report(s): UL File No. MH14496, dated September 28, 1998 and revised August 28, 2007.

Description: Semi-instantaneous gas-fired, sealed-combustion hot water heaters designed for indoor installation. Unit is comprised of vertically-mounted vessel, combustion chamber, standard burners or low Nox burners, heat exchanger assembly, power burner with direct spark ignition system, combination gas pressure regulator, an immersion type temperature limit-control with setting at 240 degree Fahrenheit, ASME-pressure and temperature relief valve and pertinent controls. Units, with model numbers and input heating range, are listed below:

Model No.	Input Heating Rating Range (Btu/hr)
KC-1000-GWW	100,000 – 1,000, 000
KC-1000-GWW-LN	100,000 – 1,000,000

Note: Unit may be vented horizontally when a sealed-combustion connection for air supply from the outdoor is provided.

Terms and Conditions: The above-described sealed-combustion, hot water heaters are accepted under the following conditions:

1. Automatic temperature and pressure-relief valve, properly sized for heater and MEA-accepted, and operating temperature limit-control shall be furnished for heater installation.
2. Units may be installed on combustible flooring. Minimum installed clearances from combustible construction shall be as follows:
Top – 12 inches; rear – 18 inches; left and right sides – 24 inches;
flue connector – 18 inches; front – 18 inches.
3. Units shall be fired by natural gas only.
4. Units shall be installed indoor only.
5. Units shall be connected to compatible/approved gas bent or chimney in accordance with Subchapter 15 of the New York City Building Code and Section 27-886.
6. Heaters shall not be installed in any enclosed space with a volume of less than 100 cubic feet.
7. This acceptance does not include any vent damper device which may be added to the installation.
8. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
9. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.
10. All shipments and deliveries of such equipment shall be provided with a permanent tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and accepted for use, as provided for in Section 27-131 of the New York City Building Code.

NOTE: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance October 17, 2007

Examined By Simon Desfleur