NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

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 104-98-E Vol. 3

Manufacturer:	AERCO International, 159 Paris Ave, Northvale, NJ 07647
Trade Name(s):	Benchmark
Product:	Gas-fired hot water boiler assemblies
Pertinent Code Section(s):	27-800, 27-824, 27-886, RS 14-2 (ANSI Z223.1).
Prescribed Test(s):	RS 14-6 (UL 795)
Laboratory:	Underwriters Laboratories, Inc.
Test Report(s):	UL Report No. MH15883 dated June 8, 1998, updated November 22, 2005 and August 10, 2006.

Description: Gas fired condensing type stainless steel, 300 Series, hot-water boiler assemblies Benchmark (BMK) series intended for commercial or industrial use with a maximum water temperature and pressure of 210°F and 160 psi, respectively. The listed gas-fired boilers are intended for use with natural gas with AERCO burners employing direct-spark ignition. The boilers are constructed, equipped, inspected, tested and marked in accordance with the ASME boiler construction code, Sec. IV. Units, with model and input heating ratings, are listed below.

Model Number	Input Heating Rating Range (BTUH)	Burner Style
BMK2.0	**80,000 – 2,000,000**	**STD Nozzle mix**
BMK2.02	**80,000 – 2,020,000**	**STD Nozzle Mix**
BMK1.5LN	**93,500 – 1,500,000**	**Low Nox PreMix**
BMK1.95LN	**93,500 – 1,950,000**	**Low Nox PreMix**
BMK2.0LN	**93,500 – 2,000,000**	**Low Nox PreMix**
BMK2.15LN	**93,500 – 2,150,000**	**Low Nox PreMix**
BMK3.0LN	**200,000 – 3,000,000**	**Low Nox PreMix**

Notes:

1. Units may be installed on a noncombustible 4 to 6" housekeeping pad for proper condensate drainage. Minimum installed clearances from combustible construction shall be as follows: top – 18", back – 36", sides – 24", front – 24", flue – 18 inches.

2. Venting Specifications:
   Units may be vented horizontally when a sealed combustion connection for air supply from outdoor is provided.

Terms and Conditions: The above-described gas-fired hot water boiler assemblies are accepted under the following conditions:

1. Boilers shall be constructed in accordance with the ASME Boiler and Pressure Vessel Code.

2. Boilers shall be assembled and/or furnished with compatible NYC-DOB-(MEA) accepted burner with size and operating characteristics approved by the boiler manufacturer.

3. Boilers shall be accepted for firing natural gas, as indicated above.

4. Boilers shall be connected to compatible-approved gas vent or chimneys in accordance with Article 15 and Section 27-888 of the New York City Building Code.

5. This acceptance in no way includes the external piping, connections and appurtenances thereto, which are required to fully conform with applicable provisions of law, but have not been tested in conjunction with this application.

6. No automatic flue damper device shall be installed in conjunction with these units.

7. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.

8. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.

9. All shipments and deliveries of such equipment shall be provided with a metal tag certifying that the equipment shipped or delivered is equivalent to that tested and accepted for use, as provided 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 November 15, 2005

Examined By Simon Derphodian