



# Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
(212) 566-5000, TTY: (212) 566-4769

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 79-05-E Vol. 2

**Manufacturer:** Patterson-Kelley Co. (HARSCO), 100 Burson Street, East Stroudsburg, PA 18301

**Trade Name(s):** MACH LCB Boiler

**Product:** Gas-fired hot water boiler

**Pertinent Code Section(s):** 27-800, 27-824, 27-826, 27-886, RS 14-2 (ANSI S223.1)

**Prescribed Test(s):** RS 14-6 (ANSI Z21.13)

**Laboratory:** CSA International

**Test Report(s):** CSA 166908-1888036, dated June 11, 2007

**Description:** Gas-fired, mechanical draft, cast aluminum, hot water condensing boiler. Units are designed and manufactured to ASME Section IV requirements with a maximum rated pressure of 100 psig and a maximum temperature of 200° F. These boilers have a stainless steel mesh burner and employ a direct spark ignition system. The ignition system is micro-processor controlled. The gas train and ignition system comply with ANSI Z21.13 requirements. Below listed are the unit model numbers with maximum rated inputs:

Model No.	Rated Input (Btu/hr)
C-1500	1,500,000
C-2000	2,000,000

Note: These units may be installed utilizing a direct-vent system. The flue-venting material must be corrosion-resistant.

**Terms and Conditions:** The above-described gas fired, hot water boiler assemblies are accepted on condition that:

- 1) Boilers are to be constructed in accordance with RS 14-4 (ASME Code).
- 2) Units may be installed utilizing a direct vent system. The flue venting material must be corrosion-resistant.
- 3) Units may be installed on combustible flooring, but must not be installed on carpeting. Minimum clearance to combustible construction shall be as follows:

Top:	24 inches
Front:	36 inches
Sides:	18 inches
Rear:	24 inches

- 4) Units shall be fired with natural gas only.
- 5) Approved gas vent shall be in accordance with Subchapter 15 of the New York City Building Code, and Section 27-886.
- 6) This acceptance in no way includes the external piping, connection and appurtenances thereto, which are required to fully conform to applicable provisions of the law and have been tested in conjunction with this application.
- 7) Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board.
- 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, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and accepted for use, as provided in Section 27-131 of 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 September 20, 2007

Examined By Simon Derfudan