



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 4-06-E

Manufacturer: Crown Boiler Company, 3633 I Street, Philadelphia, PA 19134

Trade Name(s): Crown

Product: Gas-fired, direct vent, condensing hot water boiler assemblies – “BWC” series

Pertinent Code Section(s): 27-800, 27-824, 27-826, 27-886
RS 14-2 (ANSI Z223.1)

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

Laboratory: Intertek Testing Services

Test Report(s): File No. 3073981-421, dated August 11, 2005.

Description: High efficiency, gas fired, aluminum block, direct vent, condensing boiler assemblies (BWC series) for use in hot water heating applications with little or no make-up water. Boiler consists of an aluminum heat exchanger assembly, combustion chamber, stainless steel burner, and a direct spark ignition system.

BWC boilers are equipped a temperature limit control with a maximum setting of 195°F and a circulator relay. These boilers are equipped with a relief valve with a setting not in excess of that marked on the rating plate. Units, with model numbers and input heating, are as follows:

<u>Model</u>	<u>Input (BTU/hr)</u>
BWC150	150,000
BWC225	225,000

Note:

- 1) Boiler may be installed directly on a non-carpeted combustible floor.
- 2) Minimum installed clearances shall be in accordance with RS14-15 of New York City Building Code.

- 3) Boiler must be installed using a Category IV vent system, sized and constructed in accordance with the installation manual.
- 4) Combustion air must be piped directly to the boiler from outdoors.
- 5) A means for collecting and removing condensate is required in accordance with the latest edition of the *National Fuel Gas Code* (ANSI Z223) or equivalent along with the instructions contained in the installation manual.

Terms and Conditions: The above gas-fired, direct-vent, condensing hot water boiler assemblies are accepted on condition that:

- 1) Boilers are to be constructed in accordance with the ASME Code.
- 2) Units shall be installed as per clearances to combustible construction specified above.
- 3) Units shall be fired with natural gas only.
- 4) Approved gas vent shall be in accordance with Subchapter 15 of the New York City Building Code and Section 27-886.
- 5) 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 but have been tested in conjunction with this application.
- 6) Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board.
- 7) 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 acceptable for use, as provided in Section 27-131 of New York City Building Code.
- 8) Units shall be used in compliance with the Energy Conservation Construction Code of New York State.

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 December 5, 2006
Examined By Sam Derfudan