



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 613-06-E

Manufacturer: BBT North America Corporation, Bosch Group, 50 Wentworth Avenue, Londonderry NH 03053

Trade Name(s): Buderus

Product: Gas-fired hot water boiler assemblies

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

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

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL file MH 29182 dated January 16, 2007

Description: Natural gas-fired condensing type 316 stainless steel hot water boiler assemblies, SB735 series, intended for commercial or industrial use with a maximum water temperature and pressure of 210°F (98°C) and 43.5psi (300 kPa) respectively. The pressure vessel must carry ASME “H” stamp for use. These boilers utilize a three-flue pass system. They incorporate the use of an MEA-approved power burner. The burner is to be installed and set up in accordance to the manufacturer’s installation manual(s). Each boiler is provided with a condensate neutralizing kit. The kit contains limestone chips to neutralize the acids. Units, with model numbers and input heating rating, are listed below:

Model	Input Rating (BTUH)
SB735-790	2,751,000
SB735-970	3,378,000
SB735-1200	4,179,000

1. Units must be installed on non combustibile flooring. Minimum installed clearances from combustibile construction shall be as follows:
Top – 12 inches; front – 43 inches; left side – 4 inches; right side – 32 inches; rear – 43.75 inches; vent connector – 24 inches.
2. The SB735 series may utilize any combination of vent configuration up to a maximum of 40 equivalent feet of venting for horizontal terminations when fresh air is supplied directly to the units. One 90-degree elbow is equivalent to 7 feet of venting. The following components are required:
 - Venting suitable for Class IV
 - Vent terminal

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

- 1) Boilers are to be constructed in accordance with the ASME Code, Per RS 14-4.
- 2) Units shall be installed as per clearances to combustibile 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 April 19, 2007

Examined By Sven Derblom