



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 444-04-E

Manufacturer: Buderus Hydronic System, 50 Wentworth Avenue, New Londonderry Hampshire 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 (ANSE Z223.1)

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

Laboratory: Underwriters Laboratories Inc.

Test Report(s): UL file MH 29182 dated July 3, 2005.

Description: Gas fired condensing type stainless steel, 300 series, hot water boiler assemblies SB615 series intended for commercial or industrial use with a maximum water temperature and pressure of 250°F (139°C) and 30 psi (207 kPa) respectively. The pressure vessel must carry the ASME "H" stamp for use in the United States. These boilers utilize a three-flue pass system. They incorporate the use of a listed Riello power burner as detailed below. The burner is to be installed and set up in accordance to Riello'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, input heating rating and burners model numbers, are listed below:

Model	Input (MBTUH)	Burner	
		Manufacturer	Model
SB615-145	506	Riello	40-G750
		Riello	40-G900
SB615-185	644	Riello	40-G750
		Riello	40-G900
SB615-240	835	Riello	RS 28/1
		Riello	RS 28/M
		Riello	RS 45/M (Low NOX)
SB615-310	1,080	Riello	RS 28/1
		Riello	RS 28/M
		Riello	RS 45/M (Low NOX)
SB615-400	1,393	Riello	RS 38/1
		Riello	RS 38/1
		Riello	RS 45/M (Low NOX)
SB615-510	1,776	Riello	RS 50/M
		Riello	RS 45/M (Low NOX)
SB615-640	2,228	Riello	RS 70/M
		Riello	RS 68/M (Low NOX)

- Notes: 1. Units may be installed on noncombustible flooring. Minimum installed clearances from combustible construction shall be as follows: top- 12in.; front- 43 in.; rear- 43.75 in.; left side- 4in.; right side- 32 in.
2. The SB615 series may utilize any combination of vent configuration up to a maximum of 25 equivalent feet of venting. 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 described gas fired hot water boilers, constructed in accordance with the ASME Boiler Code and installed as per clearances to combustible construction specified above, be accepted for use with natural gas only when connected to compatible gas vent in accordance with Section 27-886 and Article 15 of Building Code. 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. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical control before installation. All shipments and deliveries of such equipment shall be provided with a metal tag certifying that the equipment shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance November 9, 2005
Examined By Siam Dorkhidan