



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 141-07-E

Manufacturer:	Riverside Hydronics, LLC, 990 Haltom Road, Fort Worth, Texas 76117
Trade Name(s):	EPV and EPVL Water Boilers
Product:	Gas-fired condensing, packaged water boilers
Pertinent Code Section(s):	27-800, 27-824, 27-826, 27-886 RS 14-2 (ANSI Z223.1)
Prescribed Test(s):	RS 14-6 (UL 726, UL 795, UL 2096)
Laboratory:	Underwriters Laboratories, Inc.
Test Report(s):	UL File MH20500 dated December 27, 2006

Description: Gas-fired boilers, Series Power EPV and EPVL, Model WB. Model description shall include prefix numbers and suffix numbers and letters to make up a complete model description.

These are automatically operated condensing-type water boilers equipped with integral power-type gas burners and incorporating a draft fan to provide induced draft. The hot water boilers are intended primarily for commercial and industrial use with a maximum water temperature of 250°F and maximum pressure of 160 psig. The boilers are designed and equipped for operation firing natural gas only.

The boilers incorporate fire tubes and are equipped with operating and safety controls, assembled as a complete heating unit for automatic operation.

The burner is of the on-off type, equipped to provide staged ignition of main flame by high-tension electric spark for all models. As an option, the boiler, rated 1,000,000 Btu/hr input, may be arranged for two-stage operation.

As an option, the boiler assembly may be equipped with a passive induced flue gas recirculation system for low NO_x operation with or without remote air.

The boiler assembly is suitable for use with an outside combustion air intake system that may be routed either vertically or horizontally with Sch40 PVC or CPVC pipe, and a direct vent flue gas exhaust system that may be routed either vertically or horizontally with Listed (DGSH) Heat Fab Inc., Model "Safe-T-Vent", Type AL294-C, stainless steel vent pipe. Total length of the combustion air intake system shall not exceed an equivalent length of 100 feet of 4-inch diameter pipe. Total length of the flue gas exhaust system shall not exceed an equivalent length of 100 feet of 4-inch diameter pipe. Exception: When the boiler is rated 28 hp, the maximum total length of the flue gas exhaust system shall not exceed an equivalent length of 50 feet of 4-inch diameter pipe.

A listed vent cap is provided at the terminus of each system. The terminus may be vertical (above roof) or horizontal (from side wall).

Product Covered:

Model No.	Input Rating (Btu/hr)
11 WB 125A-PV	399,000 Btu/hr
16 WB 125A-PV	565,000 Btu/hr
11 WB 250A-PV	399,000 Btu/hr
16 WB 250A-PV	565,000 Btu/hr
21 WB 250A-PV	750,000 Btu/hr
28 WB 250A-PV	1,000,000 Btu/hr
11 WB 125A-PVL	399,000 Btu/hr
16 WB 125A-PVL	565,000 Btu/hr
11 WB 250A-PVL	399,000 Btu/hr
16 WB 250A-PVL	565,000 Btu/hr
21 WB 250A-PVL	750,000 Btu/hr
28 WB 250A-PVL	1,000,000 Btu/hr

Terms and Conditions: The above-described gas-fired hot water boilers are accepted for use under the following conditions:

1. Boilers shall be constructed in accordance with RS 14-4 (ASME Code).
2. Boilers shall be installed on noncombustible flooring with minimum installed clearances from combustible construction as follows:
 - Sides, rear and above – 8 inches
 - Front – 24 inches
 - Chimney connection – 18 inches

3. Boilers shall be fired by natural gas only.
4. Boilers shall be connected to compatible-approved gas- or oil-vented chimney 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, connections and appurtenances thereto, which have been tested in conjunction with this application and are required to fully conform to applicable provisions of the law. This acceptance does not include any vent damper device which may be added to the installation.
6. Approval of all electrical equipment apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
7. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.
8. 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 the New York City Building Code.

Final Acceptance May 9, 2007

Examined By Simon Derfinko