



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 330-06-E

Manufacturer: PVI Industries LLC, 3209 Galvez, Fort Worth, TX 76111

Trade Name(s): Maxim

Product: Packaged Water Boiler

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

Prescribed Test(s): RS 14-6 (UL726, UL795)

Laboratory: Underwriters Laboratories Inc.

Test Report(s): UL File MH13641 Vol. 1, Sec. 2

Description: Oil, gas-oil and gas-fired boiler assemblies, Model WB. Model designation shall include prefix numbers and suffix numbers and letters to make up a complete model designation.

These are automatically operated hot-water boilers of the vertical tube type equipped with Listed or R/C oil, gas, and combination gas-oil burners. The hot water boilers are intended primarily for commercial and industrial use with a maximum water temperature of 250 degrees Fahrenheit and maximum pressure of 160 psig.

The boiler is constructed, equipped, inspected, tested and marked with the ASME "H" stamp in accordance with the ASME Boiler Construction Code, Sec. IV for low pressure water boilers. The boilers incorporate fire tubes and are equipped with operating and safety controls, assembled as a complete heating unit for automatic operation.

Oil-fired burners and oil-fired section of the gas-oil boilers are designed for operation on fuel oils not heavier than ASTM D396 No. 2. Listed and R/C oil

burners and the oil-fired section of the Listed gas-oil burners provided with these boiler assemblies, are of the pressure atomizing type, employing either high-tension electric ignition or a proved gas pilot for ignition of the main fuel oil supply. When the Listed and R/C oil burners and the oil-fired section of the Listed gas-oil burners have maximum input rates of over 20 gph, they are provided with either a proved igniter or proved gas pilot.

Gas-fired boilers and the gas-fired section of the gas-oil burners are intended for use with natural gas. Listed and R/C gas burners and the gas-fired section of the Listed gas-oil burners provided with these boilers, employ a spark-ignited proved gas pilot for ignition of the main gas fuel supply.

As an option for Low NOx operation, the boilers may be installed with a PVI Model BG400 gas burner equipped with an induced FGR system with or without remote air, and intended for operation firing natural gas only.

The boilers, when equipped with an outside combustion air intake system, may be routed either vertically or horizontally with Schedule 40 PVC or CPVC pipe. The total length shall not exceed an equivalent length of 100 ft. except that the maximum equivalent length for the Model 4WB119AMXG boiler shall not exceed 50 ft. A Listed vent cap is to be provided at the terminus of the intake system. The terminus may be vertical (above roof) or horizontal (from side wall).

MODEL DESIGNATION			FUEL INPUT RATE	
Gas	Oil	Gas-Oil	Natural Gas	No. 2 Oil
3 WB 90 A-MXG	3 WB 90 A-MXO	n/a	140,000	1.0
4 WB 90 A-MXG	4 WB 90 A-MXO	n/a	199,000	1.4
6 WB 90 A-MXG	6 WB 90 A-MXO	n/a	270,000	2.0
10 WB 90 A-MXG	10 WB 90 A-MXO	10 WB 90 A-MXGO	400,000	2.8
13 WB 90 A-MXG	13 WB 90 A-MXO	13 WB 90 A-MXGO	540,000	3.8
4 WB 119 A-MXG	n/a	n/a	199,000	n/a
3 WB 125 A-MXG	3 WB 125 A-MXO	n/a	140,000	1.0
4 WB 125 A-MXG	4 WB 125 A-MXO	n/a	199,000	1.4
6 WB 125 A-MXG	6 WB 125 A-MXO	n/a	270,000	2.0
10 WB 125 A-MXG	10 WB 125 A-MXO	10 WB 125 A-MXGO	400,000	2.8
13 WB 125 A-MXG	13 WB 125 A-MXO	13 WB 125 A-MXGO	540,000	3.8
18 WB 125 A-MXG	18 WB 125 A-MXO	18 WB 125 A-MXGO	720,000	5.0
20 WB 125 A-MXG	n/a	n/a	800,000	n/a
4 WB 250 A-MXG	n/a	n/a	199,000	n/a
6 WB 250 A-MXG	6 WB 250 A-MXO	n/a	270,000	2.0
10 WB 250 A-MXG	10 WB 250 A-MXO	10 WB 250 A-MXGO	400,000	2.8
13 WB 250 A-MXG	13 WB 250 A-MXO	13 WB 250 A-MXGO	540,000	3.8
18 WB 250 A-MXG	18 WB 250 A-MXO	18WB 250 A-MXGO	720,000	5.0
20 WB 250 A-MXG	n/a	n/a	800,000	n/a
25 WB 250 A-MXG	25 WB 250 A-MXO	25 WB 250 A-MXGO	1,000,000	7.1
29 WB 250 A-MXG	29 WB 250 A-MXO	29 WB 250 A-MXGO	1,200,000	9.0
34 WB 250 A-MXG	34 WB 250 A-MXO	34 WB 250 A-MXGO	1,400,000	10.0

MODEL DESIGNATION			FUEL INPUT RATE	
Gas	Oil	Gas-Oil	Natural Gas	No. 2 Oil
4 WB 119 A-MXS	n/a	n/a	199,000	n/a
4 WB 125 A-MXS	n/a	n/a	199,000	n/a
6 WB 125 A-MXS	n/a	n/a	270,000	n/a
10 WB 125 A-MXS	n/a	n/a	400,000	n/a
4 WB 250 A-MXS	n/a	n/a	199,000	n/a
6 WB 250 A-MXS	n/a	n/a	270,000	n/a
10 WB 250 A-MXS	n/a	n/a	400,000	n/a
6 WB 125 A-MXL	n/a	n/a	270,000	n/a
10 WB 125 A-MXL	n/a	n/a	400,000	n/a
6 WB 250 A-MXL	n/a	n/a	270,000	n/a
10 WB 250 A-MXL	n/a	n/a	400,000	n/a
13 WB 250 A-MXL	n/a	n/a	540,000	n/a
15 WB 250 A-MXL	n/a	n/a	650,000	n/a
4 WB 119 A-PG	n/a	n/a	199,000	n/a
4 WB 125 A-PG	n/a	n/a	199,000	n/a
6 WB 125 A-PG	n/a	n/a	270,000	n/a
10 WB 125 A-PG	n/a	n/a	400,000	n/a
4 WB 250 A-PG	n/a	n/a	199,000	n/a
6 WB 250 A-PG	n/a	n/a	270,000	n/a
10 WB 250 A-PG	n/a	n/a	400,000	n/a

Note: Units shall be installed on non-combustible flooring. Minimum installed clearances shall be in accordance with RS14-15 of the Building Code.

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

1. Boilers shall be constructed in accordance with the ASME Code and installed as per clearances to combustible construction specified above.
2. Boilers shall be fired by natural gas or oil as specified above, only.
3. Boilers shall be connected to compatible approved gas or oil-vent or chimney in accordance with Article 15 of the Building Code and Section 27-886.
4. This acceptance in no way includes the external piping, connections and appurtenances thereto, which are required to fully conform with applicable provisions of the law, but have been tested in conjunction with this application, nor does it include any vent damper device which may be added to the installation.

5. Approval of all electrical equipment apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
6. 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 Building Code.

Final Acceptance August 2, 2006

Examined by Simon Derkhoudam