

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner

MEA 363-03-E
Report of Material and Equipment Acceptance Division

Manufacturer – Riverside Hydronics, LLC, 990 Halton Road, Fort Worth, Texas 76117.

Trade Name(s) – PRIMERA

Product – Gas fired, hot water heater assemblies.

Pertinent Code Section(s) -27-800, 27-826, 27-886, RS 14-2 (ANSI Z223.1), P107.26.

Prescribed Test(s) - RS 14-6, (ANSI Z21.10).

Laboratory -Underwriters Laboratories, Inc.

Test Report(s) - UL File MH20498, Project 03RT08552 dated September 10, 2003.

Description – Gas fired hot water heater, Primera Models 750W and 1000W, are automatically operated instantaneous hot water heaters of the coiled finned tube type equipped with an integral fan assisted gas burner of the radiant tube (metal fiber matrix) type. The heaters are intended primarily for commercial and industrial use with a maximum outlet water temperature as allowed by the operating control of 194 degrees Fahrenheit. They are suitable for operation firing natural gas. Each boiler is constructed, equipped, inspected, tested and marked in accordance with the ASME Boiler Construction Code. Firing natural gas, the heater may be of the single stage (on/off) or two stage (low/high) type. A hot surface igniter provides for direct ignition of the main burner flame. The heaters are supplied with limit and operating controls, which shut off the burner in the event of no water flow or excessive water temperature. The heater is suitable for outdoor installation when constructed with optional outdoor equipment. Units, with model number and input rating are listed below:

Model No.	Input Heating Rating BTUH
750W	750,000
1000W	1,000,000

- Notes: 1. The water heater may be vented using Type B gas vent and marked "Category I". When marked "Category III", the total length of the flue gas exhaust shall not exceed 50 ft. The water heater is suitable for use with an outside combustion air intake system that may be routed either vertically or horizontally. Total length shall not exceed an equivalent length of 100 ft. with a maximum of three 4-90° elbows. A listed (DFFZ), Leslie-Locke Versacap 3050 Type B gas vent cap is provided at the terminus of the air intake system. The terminus may be vertical (above roof) or horizontal (from side wall).
2. Units shall be installed on noncombustible flooring. Minimum installed clearances from combustible construction shall be as follows: top – 1 inch; sides – 1 inch; vent connector (Type B-1 Vent) - 1 inch. (The manufacturer recommends 24 inch access for service in front, rear and top).

Recommendation - That the above described gas fired hot water heaters, installed as per clearances to combustible construction specified above, be accepted for use with natural gas only, when connected to compatible approved gas vent in accordance with Article 15 of the Building Code or Section 27-886 of the Building Code under the following conditions:

1. Automatic ASME listed temperature and pressure relief valve, properly sized for heater and MEA accepted, and operating temperature limit control, shall be furnished for heater installation.
2. Heaters shall not be installed in any enclosed space with a volume of less than 100 cubic feet.
3. 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 those tested and accepted for use, as provided for in Section 27-131 of the Building Code.
4. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Bureau of Electrical Control before installation.
5. Water heaters shall not be operated until installation is approved for such operation by the Gas Company and the model has been approved by the Gas Appliance Approval Committee of the New York City Department of Health.

Final Acceptance JAN/30/04

Examined By S. D. K. K. K.