



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 435-06-E

- Manufacturer:** Raypak, Inc., 2151 Eastman Avenue, Oxnard, CA 93030
- Trade Name(s):** MVB, Raypak
- Product:** Gas-fired hot water heaters.
- Pertinent Code Section(s):** 27-800 through 27-886; P107.26; RS 14-2. (ANSI Z223.1)
- Prescribed Test(s):** RS 14-6 (ANSI Z21.10.3).
- Laboratory:** CSA International.
- Test Report(s):** CSA 189406 – 1784095, dated June 7, 2006.

Description: Gas-fired hot water heater assemblies, MVB series are operated on natural gas only, for use as instantaneous hot water supply unit or in conjunction with storage tank. The heaters are designed for indoor installation. The water heaters are comprised of vertical cylindrical multi-pass-design copper-finned-tube heat exchanger assembly, fire box steel tube sheet, bronze headers, main burner powered by a combustion air blower with pre-purge and post-purge operation, low NOx emissions, ignition module in conjunction with a hot-surface igniter and flame sensor, adjustable temperature controller, manual-reset safety high limit and air pressure switches, high and low gas pressure switches, water-flow switch, temperature and pressure gauge, ASME pressure relief valve rated at 125 PSI, and other pertinent controls. Units, with model numbers and input ratings, are listed below:

Model Number	Minimum Input (BTUH)	Maximum Input (BTUH)
(W7, WH7)-0503	125,000	500,000
(W7, WH7)-0753	187,500	750,000
(W7, WH7)-1003	250,000	999,000
(W7, WH7)-1253	312,500	1,250,000
(W7, WH7)-1503	375,500	1,500,000
(W7, WH7)-1753	437,500	1,750,000
(W7, WH7)-2003	500,000	1,999,000

Notes:

1. Units may be equipped with vent termination for direct-vent through-the-wall installations.
2. Units may use direct-vent system (sealed combustion) for intake and exhaust connection with the following condition:
Direct-vent (sealed combustion) or common installation: Maximum 45 feet for inlet, 75 feet for outlet. Subtract 10 feet of vent pipe length for every elbow to be installed (max. 3 elbows for each inlet and outlet) and 1 elbow or box termination.
3. Units can be installed on combustible flooring. Minimum installed clearances to combustible construction shall be as follows:
Top – 1”; Front – 1”; Back – 1”; Left side – 1”; Right side - 1” (water side); flue or vent connector – 1”.

Terms and Conditions: The above-described hot water heater is accepted under the following conditions:

1. Unit shall be fired by natural gas only.
2. Heater shall not be installed in any enclosed space with a volume of less than 100 cubic feet.
3. All shipments and deliveries of the above-described materials shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and acceptable 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 Department’s Electrical Advisory Board.
5. 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 August 23, 2006

Examined By Sun Derkhdam