



# Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Robert D. LiMandri, Acting 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 178-05-E Vol. 2

**Manufacturer:** U.S. Boiler Co. Inc., 2920 Tree Drive, Lancaster, PA 17603

**Trade Name(s):** Burnham Hydronicis

**Product:** Oil-fired, 3-Pass, cast-Iron boilers  
MEA Index #60-30 – Boilers

**Pertinent Code Section(s):** 27-800, 27-824

**Prescribed Test(s):** RS 14-16 (UL 726)

**Laboratory:** Hydronics Institute Division of GAMA (HIDG)

**Test Report(s):** HIDG Test Report #65L-274 dated November 3, 2006, and #65L-274-A dated July 31, 2008.

**Description:** Models MPO are oil-fired, 3-pass, cast-iron sectional, low pressure hot water boilers, designed for residential heating. The heat exchanger on the boilers consists of individual cast iron sections pressed into a block assembly. These boilers use a UL Listed oil burner that operates on No. 2 Fuel Oil and are equipped with intermittent electronic ignition and a primary control relay with cad cell sensor. The boilers are atmospherically vented into a conventional tile lined masonry chimney. The boiler is equipped with an aquastat control relay (circulator/high limit) and 30 PSI (standard) to 50-PSI (optional) relief valve with a maximum discharge capacity rating of 535,000 to 693,000 BTU per hour respectively. Units, with model numbers, input heating rating and firing rate, are listed below:

Model Nos.	Firing Rate (GPH)	Input BTU/HR
MPO84	0.60	84,000
MPO115	0.82	112,000
MPO147	1.05	147,000
MPO189	1.35	189,000
MPO231	1.64	231,000

**Terms and Conditions:** The above units are accepted on the following conditions:

1. Boilers are constructed according to RS 14-4, ASME Boiler and Pressure Vessel Code, Section IV.
2. Boilers shall be installed on non-combustible flooring only. Clearances from combustible construction shall be in accordance with the standard clearances listed in reference standard RS14-15.
3. Units shall be fired with No. 2 fuel oil only.
4. Approved chimney shall be in accordance with Subchapter 15 of the New York City Building Code.
5. This acceptance in no way includes the external piping, connection and appurtenances thereto, which are required to fully conform to applicable provisions of the law and have been used during the testing in conjunction with this application.
6. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board.
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 accepted for use, as provided in Section 27-131 of New York City Building Code.

**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 19, 2008

Examined By Simon Derkshdam