



# 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 76-07-E

**Manufacturer:** US Boiler Company, Inc., 2920 Tree Drive, Lancaster, PA 17603

**Trade Name(s):** Burnham Hydronics Mega Steam

**Product:** Oil -fired boilers

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

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

**Laboratory:** Hydronics Institute Division of GAMA

**Test Report(s):** Hydronics Institute Division of GAMA – MEA Test Report # 65L-275, dated February 26, 2007

**Description:** Oil-fired MegaSteam, MST series, are natural draft, 3-pass, cast-iron sectional, low-pressure steam residential heating boilers. The heat exchanger on the boilers consists of individual cast iron sections pressed into a block assembly. The three-section heat exchangers are used for the MST288 and MST396, the four-section heat exchanger is used for the MST513, and the 5-section heat exchanger is used for the MST629. 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 equipped with UL-listed pressure limit control, a UL-listed low-water cutoff control and a safety valve with a maximum discharge capacity of 407 lb/hr steam. The boilers are atmospherically vented into a conventional tile-lined masonry chimney.

Model No.	Firing Rate (GRH)
MST288	.75
MST396	1.05
MST513	1.35
MST629	1.65

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

1. Boilers shall be constructed according to RS 14-4, ASME Boiler and Pressure Vessel Code, Section IV, with 15 psig steam pressure.
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 RS 14-15.
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 acceptable 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 March 30, 2007

Examined By Saim Deshpande