



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Robert D. LiMandri, Acting 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 134-07-E Vol. 2

Manufacturer: Fulton Thermal Corp., 972 Centerville Road, Pulaski, N.Y. 13142

Trade Name(s): Fulton

Product: Combination gas/oil fired, condensing (gas-fired) type hot water boiler assemblies
MEA Index #60 – Boilers

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

Prescribed Test(s): RS 14-6 (UL 726, UL 795)

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): File MP416, dated September 21, 2004 and revised March 31, 2008.

Description: Horizontal, three-pass design fire-tube type gas-oil fired, steel boiler assemblies designed for hot water (250°F maximum water temperature). Boilers are designed for modulation operation and may be fired by natural gas, fuel oil not heavier than No. 2, or combination natural gas and fuel oil as tabulated below. Units are referred to as Fulton model VTG hot water generators and consist of a boiler equipped with a direct-spark ignition oil burner of the pressure atomization type and/or a gas burner with a proved electric igniter assembly for ignition of the main gas supply. The gas-fired boilers may include a common gas manifold for the pilot and main gas supply, or as an alternate arrangement, a separate pilot gas supply is provided independent of the main gas manifold. The combination gas-oil fired boilers incorporate a direct-spark ignition system for ignition of the main oil supply and this same dual igniter assembly also provides ignition of the proved pilot gas supply.

Model	Heating Surface Area In Square Feet	Minimum Input Natural Gas Btu / Hr.	Maximum Input Natural Gas Btu / Hr.	Minimum Input No. 2 Oil GPH	Maximum Input No. 2 Oil GPH
VTG-1000	86.75	200,000	1,000,000		
VTG-1000LE	86.75	350,000	1,000,000		
VTG-1000DFO	86.75	200,000	1,000,000	2.4	7.1
VTG-2000	138.06	400,000	2,000,000		
VTG-2000LE	138.06	650,000	2,000,000		
VTG-2000DFO	138.06	400,000	2,000,000	4.7	14.3
VTG-3000	194.85	600,000	3,000,000		
VTG-3000LE	194.85	1,000,000	3,000,000		
VTG-3000DFO	194.85	600,000	3,000,000	7.1	21.4
VTG-3000HTD	194.85	100,000	3,000,000		
VTG-4000	235.00	800,000	4,000,000		
VTG-4000LE	235.00	800,000	4,000,000		
VTG-4000DFO	235.00	800,000	4,000,000	14.2	28.3

Notes:

1. Model Nomenclature: VTG is the basic boiler model, prefix 1000, 2000, 3000 are the boiler sizes (input in MBH). The suffix letters "LE" denotes a low emissions boiler, "DFO" denotes combination gas-oil fired boiler, "HTD" denotes high turndown, natural gas boiler. No suffix for natural gas-fired boiler.
2. Gallons per hour (GPH) is based upon oil heating value of 140,000 BTU per gallon (No. 2 oil).

Terms and Conditions: The above 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 to combustible construction, **in inches**, shall be as follows:
 - Top - 18 inches
 - Sides - 1 inch each
 - Back - 18 inches
 - Front - 48 inches
 - Flue pipe - 18 inches
3. Units shall be fired with No. 2 fuel oil and/or natural gas only.
4. Approved gas vent or 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. 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.
8. 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 May 20, 2008

Examined By Sun Derkhan