



## 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 47-08-E

**Manufacturer:** Cleaver-Brooks, Inc.  
221 Law Street  
Thomasville, GA 31792

**Trade Name(s):** Cleaver-Brooks

**Product:** Combination gas- and/or oil-fired high-pressure  
steam and hot water boilers  
MEA Index #60-30 – Boilers

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

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

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):** UL File MP1002 dated October 30, 2003 and  
revised November 16, 2004.

**Description:** Combination gas- and/or oil-fired, high-pressure firetube boilers, **4WI series**, for steam and hot water applications are intended for commercial or industrial use and equipped with an integral burner. The oil-fired boilers and oil-fired section of the gas-oil boilers are designed for operation on firing No. 2 fuel oil. The oil burners and oil-fired section of the gas-oil burners provided with these UL listed boiler assemblies are of the air atomizing type, employing a proved gas pilot for ignition of the main fuel oil supply. The gas-fired boilers and the gas-fired section of the gas-oil boilers are intended for use with natural gas only. The gas burners and the-gas fired section of the gas-oil burners provided with these UL listed boiler assemblies, employ a spark ignited proved gas pilot for ignition of the main gas supply. Units with model numbers, input heating ratings, Boiler Horse Power and Heat Transfer Surface area are listed on the following page.

Model No.	Input Heating Rating (Mbtu/hr)	Boiler Horse Power	Heat Transfer Surface Area-sq. ft. (water side)
4WI-*-100	4.08	100	500
4WI-*-125	5.1	125	625
4WI-*-150	6.1	150	750
4WI-*-200	8.16	200	1000
4WI-*-250	10.2	250	1250
4WI-*-300	12.2	300	1500
4WI-*-350	14.3	350	1750
4WI-*-400	16.3	400	2000
4WI-*-500	20.4	500	2500
4WI-*-600	24.5	600	3000
4WI-*-700	28.6	700	3500
4WI-*-750	30.6	750	3500
4WI-*-800	32.6	800	3500 or 4000

\*- May be 100-oil fired, 200-gas-oil fired, 700-gas fired boilers.

**Note:** Units shall be installed on non-combustible flooring. Minimum installed clearances from combustible construction shall be in accordance with RS 14-15 of the New York City Building Code.

**Terms and Conditions:** The above gas- and/or oil-fired, high-pressure steam or hot water boiler assemblies are accepted on condition that:

- 1) Boilers are to be constructed in accordance with the ASME Code, per RS 14-4.
- 2) Units shall be installed as per clearances to combustible construction specified above.
- 3) Units shall be fired with natural gas and/or No. 2 fuel oil.
- 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 but have been tested 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 8, 2008

Examined By Siun Derkhdam