



## Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, 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 138-05-E

**Manufacturer:** Cleaver Brooks 221 Law Street Thomasville, Georgia 31792

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

**Product:** Low pressure, steam and hot water boiler assemblies.

**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 June 27, 2005.

**Description:** Combination gas and/or oil fired, Firetube boilers for steam and hot water application, 4WI series, 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 fuel oils not heavier than #2 fuel oil. The oil burners and the 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. The gas burners and the gas fired section of the gas-oil burners provided with these UL listed boilers assemblies, employ a spark ignited proved gas pilot for ignition of the main gas supply. Units with model number, input heating rating, Boiler Horse Power and Heat Transfer Surface area are listed below.

| Model No. | Input Heating rating<br>Mbtu/hr | BHP | Heat Transfer<br>Surface Area-sqft<br>(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: Boilers shall be installed on noncombustible flooring only. Clearances from combustibile construction shall be in accordance with Reference Standard RS 14-15.

**Terms and Conditions:** The above boilers, constructed in accordance with the ASME Boiler Code and assembled with compatible MEA accepted burner with size and operating characteristics approved by the boiler manufacturer, be accepted for use fired by No. 2 fuel oil or natural gas, as indicated in the table, when connected to compatible approved gas vent or chimney in accordance with Article 15 of the Building Code. This acceptance in no way includes the external piping connections and appurtenances thereto, which are required to fully conform with applicable provisions of law, but have not been tested in conjunction with this application. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the Building Department before installation. 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 those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance December 23, 2005  
Examined By S. J. D. D. D.