



NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
(212) 566-5000, TTY: (212) 566-4769

## Report of Materials and Equipment Acceptance Division

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 79-93-E Vol.4

**Manufacturer:** Cleaver Brooks, 11950 West Lake Park Drive ,  
Milwaukee, WI 53224.

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

**Product:** Combination Gases and/or oil fired, low pressure or  
high-pressure boiler assemblies with PFH burners.

**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):** UL File No. MP1002, dated September 8, 1997 and  
March 30, 2001.

**Description** – Combination gas and/or oil fired water tube low pressure (250°F, 160psig maximum) water boilers high pressure (150psig) and low pressure (15psig) steam boilers, FLX series intended for commercial or industrial use and equipped with a listed burner. The oil-fired boilers and the oil-fired section of the gas-oil boilers are designed for operation on fuel oils not heavier than No. 2 fuel oil. The listed oil burners provided with these boilers assemblies, are for the pressure atomizing type, employing either high tension electric ignition or a proved gas pilot for ignition of the main fuel oil supply. When the listed oil burners and the oil-fired section of the listed gas-oil burner have maximum input rates of over 20gph, they are provided with either a proved ignitor or proved gas pilot. The gas-fired boilers and the gas-fire section of the gas-oil boilers are intended for use with natural gas. The listed gas burners and the gas-fired section of the listed gas-oil burners provided with these boilers, employ a spark ignited proved gas pilot for ignition of the main gas fuel supply. Units, with model number, input heating rating, boiler horsepower, and heating surface are listed below:

| Model No.  | Input Heating Rating BTUH | Boiler H.P. | Total Heating Surface (Hot Water) | Total Heating Surface (Steam) |
|------------|---------------------------|-------------|-----------------------------------|-------------------------------|
| FLX-*-150  | 1,500,000                 | 35          | 293.6                             | 306.3                         |
| FLX-*-200  | 2,000,000                 | 51          | 293.6                             | 306.3                         |
| FLX-*-250  | 2,500,000                 | 63          | 293.6                             | 306.3                         |
| FLX-*-300  | 3,000,000                 | 76          | 364.3                             | 378.5                         |
| FLX-*-350  | 3,500,000                 | 89          | 364.3                             | 378.5                         |
| FLX-*-400  | 4,000,000                 | 102         | 534.1                             | 543.1                         |
| FLX-*-450  | 4,500,000                 | 108         | 534.1                             | 543.1                         |
| FLX-*-500  | 5,000,000                 | 127         | 534.1                             | 543.1                         |
| FLX-*-550  | 5,500,000                 | 132         | 534.1                             | 543.1                         |
| FLX-*-600  | 6,000,000                 | 152         | 534.1                             | 543.1                         |
| FLX-*-700  | 7,000,000                 | 178         | 769.9                             | 792.9                         |
| FLX-*-800  | 8,000,000                 | 191         | 769.9                             | 792.9                         |
| FLX-*-900  | 9,000,000                 | 215         | 769.9                             | 792.9                         |
| FLX-*-1000 | 10,000,000                | 239         | 932.3                             | 971.3                         |
| FLX-*-1100 | 11,000,000                | 263         | 932.3                             | 971.3                         |
| FLX-*-1200 | 12,000,000                | 287         | 932.3                             | 971.3                         |

**\* - May be 100- oil fire; 200- gas oil fired; 700- gas fired boilers**

**Note:** Boilers shall be installed on noncombustible flooring. Minimum installed clearances from combustible construction shall be in accordance with Reference Standard RS 14-15



**Terms and Conditions-** That the above boiler assemblies with PFH burners ASME Code and assembled with compatible MEA accepted burner with size and operating characteristics approved by the manufacture, be accepted for use fired No.#2 fuel oil and/or natural gas as indicated above 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, connection and appurtenances thereto, which are required to fully conform with applicable provisions of law, nor does it include any vent damper device which may be added to the installation. Approval shall be obtained from the Department of Air Resources to show compliance with their rules and regulations for fuel oil burning equipment. Approval of all electrical equipment, apparatus, materials and devices shall be obtained from the 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 are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance June 12, 2006

Examined By Simon Derphude