



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 136-03-E Vol. 3

|                                   |                                                                                                                              |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturer:</b>              | Laars Heating Systems Company, a subsidiary of Bradford White Corporation, 20 Industrial Way, Rochester, New Hampshire 03867 |
| <b>Trade Name(s):</b>             | Pennant, NATCO Fire Coil, Pentair PowerMax                                                                                   |
| <b>Product:</b>                   | Hot water heating and supply boilers                                                                                         |
| <b>Pertinent Code Section(s):</b> | 27-800, 27-824, 27-886, RS 14-2 (ANSI Z223.1).                                                                               |
| <b>Prescribed Test(s):</b>        | RS 14-6 (ANSI Z21.13)                                                                                                        |
| <b>Laboratory:</b>                | CSA-International                                                                                                            |
| <b>Test Report(s):</b>            | CSA File 1729448 dated November 3, 2005                                                                                      |

**Description:** Gas-fired, hot water heating or supply boiler or pool heater assemblies designed for indoor or outdoor installation. Assemblies consist of forced draft blower(s), stainless steel burners, copper finned tube heat exchanger assembly, hot surface electronic ignition system and combination safety/gas pressure regulating control valves. Appliances are designed as Category I or III and may be installed with an optional Direct Vent system. Venting may be installed either horizontally through a sidewall or vertically through a roof. Appliances are provided with a combustion air-filtration system on the inlet that may be ducted to a fresh air source. Appliances are provided with a single input or with a staging control to reduce input at lower loads. Hot water controls include a water temperature-limiting device with maximum settings of 135°F for PNCP and PM models, 210°F for PNCV models or 240°F for PNCH models and an ASME-rated pressure-relief valve. Units, with model numbers and input heating ratings, are listed on following page.

| <u>Model Number</u>        | <u>Input Heating Rating<br/>(BTU/Hr.)</u> |
|----------------------------|-------------------------------------------|
| PNC(H)(V)(P)0500N, PM0500N | 500,000                                   |
| PNC(H)(V)(P)0750N, PM0750N | 750,000                                   |
| PNC(H)(V)(P)1000N, PM1000N | 999,000                                   |
| PNC(H)(V)(P)1250N, PM1250N | 1,250,000                                 |
| PNC(H)(V)(P)1500N, PM1500N | 1,500,000                                 |
| PNC(H)(V)(P)1750N, PM1750N | 1,750,000                                 |
| PNC(H)(V)(P)2000N, PM2000N | 2,000,000                                 |

Note: Models PNCH are hot water heating boilers. Models PNCV are hot water supply boilers. Models PNCP & PM are pool heaters.

**Terms and Conditions:** The above-described gas-fired hot water boilers are accepted for use under the following conditions:

1. Boilers shall be constructed in accordance with RS 14-4 (ASME Code).
2. Boilers shall be installed on non-combustible flooring with minimum installed clearances from combustible construction as follows:

|            | <u>Indoor</u> | <u>Outdoor</u> |
|------------|---------------|----------------|
| Left Side  | 1 inch        | 36 inches      |
| Right Side | 1 inch        | 36 inches      |
| Rear       | 1 inch        | 12 inches      |
| Front      | 1 inch        | 24 inches      |
| Top        | 1 inch        | Unobstructed   |
| Vent       | 3 inches      | ---            |

3. Boilers shall be fired by natural gas only.
4. Boilers shall be connected to compatible approved gas vent or chimney in accordance with Subchapter 15 of the New York City Building Code and Section 27-886.
5. This acceptance in no way includes the external piping, connections and appurtenances thereto, which have been tested in conjunction with this application and are required to fully conform to applicable provisions of the law. This acceptance does not include any vent damper device which may be added to the installation.
6. Approval of all electrical equipment apparatus, materials and devices shall be obtained from the Department's Electrical Advisory Board before installation.
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 the 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 June 21, 2007

Examined By Sun Derkhdam