

CITY OF NEW YORK  
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, F.A.I.A., Commissioner  
MEA 375-03-E

Report of Material and Equipment Acceptance Division

Manufacturer– Power Flame, Inc., 2001 South 21<sup>st</sup> Street, Parson, Kansas 67357.

Trade Name – Power flame, Nova Premix.

Product – Gas fired conversion burners – Model NPM.

Pertinent Code Section(s) – 27-800, 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 MP1836 dated October 21, 2003.

Description – Power-type gas burners of the premix type, Models NPM15-10-24 and –120 are intended for on-off for low/high/off, low/high/low or modulating operation. All are intended to fire natural gas. Ignition is accomplished by a proven gas-electric pilot of the intermittent type. The NPMR Model indicates the burner is mounted in the inverted position, i.e., the fan housing is located above the burner blast tube centerline versus below the blast tube centerline.

The burner is built in one basic model, in three basic sizes. Changing the main gas orifice provides for burner inputs from 300,000 to 850,000 Btu/h for Models NPM15-10-24 and –120. Models NPM30-12-24 and –120 have a minimum low fire rating of 480,000 Btu/h and a maximum of 1,260,000 Btu/h. Models NPM50-15-24 and –120 have a minimum low fire rating of 825,00 Btu/h and a maximum of 2,200,000 Btu/h. Modulating burners are equipped to provide proved open air damper prepurge and light off at low fire. Units, with model number and firing rate range are listed below:

Burner Model	Min. Firing Rate (BTU/h)	Max. Firing Rate (BTU/h)
NPMR, NPM-15	300,000	850,000
NPMR, NPM-30	480,000	1,260,000
NPMR, NPM-50	825,000	2,200,000
NPMR, NPM-30A	425,000	1,100,000

Note: Burner models may include suffixes.

Recommendation - That the above power gas conversion burners, equipped with applicable safety controls and installed in accordance with requirements enumerated in Section 27-826, fired by natural gas only, be accepted for use at the firing rates as indicated. Approval of all electrical equipment, apparatus, materials, and devices shall be obtained from the Bureau of Electrical Control 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 May 28/2004

Examined By S. Derphidar