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**BUILDINGS BULLETIN 2011-007**  
**OTCR**

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**Supersedes:** None

**Issuer:** Alan Price, P.E.  
Director, Office of Technical Certification and Research

**Issuance Date:** April 8, 2011

**Purpose:** This document establishes additional acceptance criteria for commercial dishwashers with integral gas-fired heating in accordance with the 2008 NYC Construction Codes.

**Related Code/Zoning Section(s):**

AC 113.2.3	PC 604.1	PC 802.1.7
PC 409	PC 604.3	FGC 402

**Subject(s):** Commercial dishwasher, integral heating. Dishwasher, commercial

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**Background:** Section PC 409 requires commercial dishwashers to conform to ASSE 1004<sup>1</sup>, which establishes backflow prevention requirements and NSF 3<sup>2</sup> which establishes minimum sanitary requirements. This bulletin addresses the safety performance of gas-fired commercial dishwashers.

**Description:** A commercial dishwasher with integral gas-fired heating is used to boost water temperatures during wash and rinse cycles. It is comprised of a self contained gas-fired hot water heater with standard dishwasher component.

**Uses:** Commercial dishwashers with integral gas fired heating are used to wash and sanitize pans, pots, racks and other utensils that are used in eating and drinking establishments.

**Evaluation Scope:** 2008 NYC Construction Codes

**Evaluation Criteria:** Pursuant to section AC 28-113, the Office of Technical Certification and Research recognizes commercial dishwashers with integral gas-fired heating tested, and evaluated in accordance with UL 921<sup>3</sup> and NYC Construction Codes including ASSE 1004 and NSF 3. Acceptable commercial dishwashers with integral gas-fired heating shall be listed and labeled in accordance with section AC 113.2.3 and shall comply with the conditions of this bulletin.

**Conditions of Acceptance:** Commercial dishwashers with integral gas-fired heating shall be designed, and installed in accordance with the 2008 NYC Construction Codes and other applicable provisions including but not limited to the following:

**A. Design**

1. Commercial dishwashers with integral gas-fired heating shall be specified in accordance with the manufacturer's recommendation and the condition of the listing.

**B. Installation Requirements**

1. Installation requirements shall be in accordance with the manufacturer's instructions, the applicable listing agency, and the conditions of this bulletin.
2. Installation shall be performed by a licensed master plumber only.
3. Combustion air and ventilation shall be in accordance with applicable sections of the NYC Construction Codes, manufacturer's installation and the listing.
4. Commercial dishwashers with integral gas-fired heating shall be labeled as per section AC-113.4. All shipment and deliveries of materials shall be accompanied by a label certifying the material shipped or delivered are equivalent to those tested and approved.

**Referenced Standard:**

1. ASSE 1004-90 – *“Performance Requirement for Backflow Prevention Requirement for Commercial Dishwashing Machine”*
2. NSF3 – 1996a *“Commercial Spray-Type Dishwashing and Glass Washing Machines”*
3. UL 921-06 – *“Commercial Dishwasher”*

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