



BUILDINGS BULLETIN 2015-003

OTCR

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Purpose: This document establishes acceptance criteria for pre-combustion, non-additive fuel oil catalyst reformers as new equipment not referenced in the NYC Construction Codes.

Related Code MC 1301.2 AC 28-113.3.4
Section(s): MC 1308.2 AC 28-113.4

Subject(s): Oil burner, piping, fuel oil catalyst reformer; Fuel oil catalyst reformer, oil burner.

Description: A fuel oil catalyst reformer is an accessory equipment that reforms fuel oil in the supply line at or near the burner. This bulletin addresses only the safety of the fuel oil catalyst reformers when installed in such location.

Evaluation Scope: NYC Construction Codes

Evaluation Criteria: Pursuant to section AC 28-113, the Office of Technical Certification and Research recognizes the use of fuel oil catalyst reformers tested and evaluated in accordance with ANSI/UL 296, "Oil Burner"¹, and ANSI/UL 331, "Strainers for Flammable Fluids and Anhydrous Ammonia"². Acceptable fuel oil catalyst reformers shall be tested and listed by an approved agency to these standards, and shall comply with the conditions of this bulletin.

This bulletin evaluates safety criteria of this accessory equipment only.

Uses: Fuel oil catalyst reformers are installed in the supply line of boilers, heating systems and generators burning fuel oil.

Conditions of Acceptance: Fuel oil catalyst reformers shall be designed and installed in accordance with the NYC Construction Codes and other applicable provisions including but not limited to the following:

A. Design

Fuel oil catalyst reformers shall be specified in accordance with the manufacturer's recommendations and the conditions of the listing.

B. Installation Requirements

1. Installation requirements shall be in accordance with the manufacturer's instructions, and the

conditions of this bulletin.

2. Fuel oil catalyst reformer shall be installed only by a licensed oil burner installer.
3. Fuel oil catalyst reformer shall be labeled as per AC 28-113.4. All shipments and deliveries of materials shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and approved.

Referenced ¹ ANSI/UL 296-09 "*Oil Burner*"
Standards: ² ANSI/UL 331-08 "*Strainers for Flammable Fluids and Anhydrous Ammonia*"