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## BUILDINGS BULLETIN 2010-023

### OTCR

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**Supersedes:** None

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Director, Office of Technical Certification and Research

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**Purpose:** This document establishes acceptance criteria for quick disconnect devices used to supply natural gas.

**Related Code Section(s):** FGC 301.3                      FGC 409.5  
FGC 404.12                      FGC 411.1  
FGC 404.13

**Subject(s):** Gas piping, gas connections, quick disconnect; Piping system installation, gas outlets, quick disconnect

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**Description:** A hand-operated device that provides a means for connecting and disconnecting a fuel gas appliance or a fuel gas appliance connector to a fuel gas supply and that is equipped with an automatic means to shut off the gas supply when the device is disconnected.

**Evaluation Scope:** 2008 NYC Construction Codes

**Evaluation Criteria:** Pursuant to AC 28-113, the Office of Technical Certification and Research recognizes overhead, flush-mounted-type quick disconnect devices designed, tested and evaluated in accordance with ANSI Z21.41 *"Quick-Disconnect Devices for Use with Gas Fuel"*<sup>1</sup>. Acceptable quick disconnect devices shall be listed and labeled by an approved agency in accordance with section AC 28-113.2.3 and shall comply with the conditions of this bulletin.

**Uses:** Quick disconnect devices are used to connect fuel gas supply to fuel gas appliances.

**Conditions of Acceptance:** Quick disconnect devices shall be designed and installed in accordance with ANSI Z21.41, the 2008 NYC Construction Codes and other applicable provisions including but not limited to the following:

### **A. Design**

1. Quick disconnect devices shall be made of corrosion resistance material as per ANSI Z 21.41 section 1.7.1.
2. Quick disconnect devices shall be designed so that when disconnected it shall not cause gas leakage by manual manipulation or by the application of simple tools to the external surface of the device as per ANSI Z 21.41 section 1.5.1.
3. As per section FGC 409.5, shut off valves shall be installed upstream from quick disconnect devices. The shut off valve shall be provided with access and in the same room as the appliance.

### **B. Installation Requirements**

1. Installation requirements shall be in accordance with the manufacturer's instructions, requirements of the listing and the conditions of this bulletin.
2. Quick disconnect devices and the connections shall be installed and protected from physical damage.
3. As per section FGC 411.1, item 4, listed and labeled quick-disconnect devices shall be used in conjunction with listed and labeled appliance connectors.
4. As per section FGC 301.3, listed and labeled quick-disconnect devices shall be used in conjunction with listed and labeled appliances regulated by the NYC Fuel Gas Code.
5. 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 Standards:**

1. ANSI Z 21.41 - 2003 *"Quick Disconnect Devices for Use with Gas Fuel Appliances."* [www.ansi.org](http://www.ansi.org)