Fuel Gas

2012 IFGC, 2012 IRC & 2012 VRC

- Chapter 2 Definitions (IFGC & IRC)
- 301.11 Flood Hazard
- 306.5 Equipment and Appliances on Roofs or Elevated Structures
- 308.1/G2409.1 Scope
- 308.3.4/G2409.3.4 Clearance From Supply Ducts
- 310.1.1/G2411.1.1 CSST
- 401.9/G2412.9 Identification
- 401.10/G2412.10 Third-Party Testing and Certification
- 404.1/G2415.1 Installation of Materials
- 404.2/G2415.2 CSST
- 404.18/G2415.18 Prohibited Devices
- 406.1.6/G2417.1.6 Pipe Clearing
- 406.7/G2417.7 Purging
- 408.4/G2419.4 Sediment Trap
- 410.4/G2421.4 Excess Flow Valves
- 410.5/G2421.5 Flashback Arrestor Check Valve
- 503.2.5 Incinerators
- 504.2.9/G2428.2.9
- Figures 503.6.4 and G2427.6.3
- 636 Outdoor Decorative Appliances
Chapter 2 Definitions (IFGC & IRC)

- Excessive Flow Valve
- Flashback Arrestor Check Valve
- Point of Delivery
- Regulator, Service Pressure
- Third-Party Certification Agency
- Third-Party Certified
- Third-Party Tested

301.11 Flood Hazard

- Refers to IBC 1612 for location and installation of systems/equipment in buildings in flood hazard areas

306.5 Equipment and Appliances on Roofs or Elevated Structures

- Added exception #8 Landing required.
- Added exception #10 Access to ladders shall be provided at all times.

308.1/G2409.1 Scope

- Gypsum board is considered to be a combustible material regardless of the studs (metal or wood) the board is fastened to
### 308.3.4/G2409.3.4 Clearance From Supply Ducts
- Supply air ducts connecting to listed central heating furnaces shall have the same minimum clearance to combustibles as required for the furnace supply plenum for a distance of not less than 3 feet (914 mm) from the supply plenum. Clearance is not required beyond the 3-foot (914 mm) distance.

### 310.1.1/G2411.1.1 CSST
- This change clarifies where the bonding jumper is to connect to the CSST.

### 401.9/G2412.9 Identification
- Each length of pipe and tubing and each pipe fitting, utilized in a fuel gas system, shall bear the identification of the manufacturer.

### 401.10/G2412.10 Third-Party Testing and Certification
- All piping, tubing and fittings shall comply with the applicable referenced standards, specs and performance criteria of this code.

### 404.1/G2415.1 Installation of Materials
- All materials shall be installed in accordance with the standards under which they were accepted and approved. In the absence of such procedures, the manufacturer's installation instructions shall be followed.

### 404.2/G2415.2 CSST
- CSST piping systems shall be installed per the terms of their approval, listing conditions, manufacturer's installation instructions and this code.
## 404.18/G2415.18 Prohibited Devices
- A 2\textsuperscript{nd} exception has been added allowing a fitting or device where the system has been sized to accommodate the pressure drop.

## 406.1.6/G2417.1.6 Pipe Clearing
- New section added requiring the clearing of all foreign material prior to testing.

## 406.7/G2417.7 Purging
- The purging of piping shall be in accordance with Sections 406.7.1 through 406.7.3 of the IFGC.
- The purging of piping shall be in accordance with Sections G2417.7 through G2417.7.3 of the IRC.

## 408.4/G2419.4 Sediment Trap
- Text remains the same, however due to misunderstandings as to the construction of a sediment trap, an illustration has been added.

## 410.4/G2421.4 Excess Flow Valves
### 410.5/G2421.5 Flashback Arrestor Check Valve
- Fuel gas systems that are used with oxygen are now required to have a combination flashback arrestor and backflow check valve on both the fuel gas supply and oxygen supply lines.

### 503.2.5 Incinerators
- Commercial-industrial type incinerators shall be vented in accordance with NFPA 82-09

### 504.2.9/G2428.2.9
- Adds an additional requirement for a B Vent that exceeds the required height by 5 feet or more above the roof per figures 503.6.4 and G2427.6.3

### 636 Outdoor Decorative Appliances
- Permanently fixed-in-place outdoor decorative appliances must be tested to ANSI Z21.97 and be installed per manufacturer’s instructions.