

**City of Bryan**  
**Building Services Staff Code Review for 2015 IFGC**  
**Significant Changes since 2012 IFGC**

**2015 International Fuel Gas Code (IFGC)**

- 307.6            Condensate Pumps
- Condensate pumps located in uninhabitable spaces (attics, crawl spaces and above ceilings where they are not readily observable) and used with condensing fuel-fired appliances and cooling equipment must be connected to the appliance or equipment served by the pump such that when the pump fails, the appliance or equipment will be prevented from operating.
- 310.1.1        Electrical Bonding of Corrugated Stainless Steel Tubing
- Text has been added to address the allowable length of the bond jumper wire (max. 75 feet) and the methods of making the bonding connections.
- 403.6            Plastic Pipe, Tubing and Fittings
- PVC and CPVC pipe are prohibited materials for supplying fuel gas.
- 403.10.4       Drilled and Tapping Metallic Pipe Fittings
- The code now prohibits the practice of drilling and tapping fittings in the field except when performed in accordance with five criteria that strictly limit such practices.
- 404.7           Protection of Concealed Piping against Physical Damage
- Piping and tubing other than Schedule 40 steel pipe must be protected from penetration by nails and screws where the pipe or tubing is less than 1 1/2 inches from the face of the member where membranes will be attached. The pipe shall be protected by shield plate that cover the width of the pipe and the framing member and that extend not less than 4 inches to each side where the pipe passes through the framing member, bottom plate, bottom track, top plate or top track.
- 404.18         Pipe Cleaning
- The code prohibits the practice of using fuel gas as a method for flushing debris from fuel-supply piping.
- 410.2           Medium-Pressure Regulators
- Line regulators installed in rigid piping must have a union installed to allow removal of the regulator.
- 411.1           Connecting Portable Outdoor Appliances
- Where portable gas appliances are used outdoors, the hoses must comply with ANSI Z2-54.

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- 411.1.1      Connectors for Commercial Cooking Appliances
- Specific installation requirements have been added for the installation of ANSI Z21-69 connectors. The option to connect the cooking appliance with semirigid tubing or rigid pipe have been removed.
- 412            Liquefied Petroleum Gas Motor Vehicle Fuel-Dispensing Facilities
- New requirements added to this section for location of dispensers.
- 502.7.1      Door Clearance to Vent Terminals
- A new addition to address the condition where a door could impact or be too close to an appliance vent terminal.
- 503.4.1      Plastic Piping for Appliance Vents
- The approval of plastic pipe for venting appliances is no longer a responsibility of the code official, but with the appliance manufacture and the appliance listing agency.
- 503 .8        Venting System Termination Location
- Text has been added to address the location of side wall vent terminals with respect to adjoining buildings.
- 614.5        Dryer Exhaust Duct Power Ventilators
- New text recognizes the use of dryer exhaust duct power ventilators (DEDPVs) for installations that exceed the allowable exhaust duct length for clothes dryers.



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410.4                      Excess Flow Valves

An excess flow valve must now be listed, sized and installed in accordance with the manufacturer's instructions.

410.5                      Flashback Arrestor Check Valve

Where fuel gas is used with oxygen in hot work operations, a listed protective device that serves as a combination flashback arrestor and backflow check valve be installed on both the fuel gas and oxygen supply lines.

Chapter 5                      Chimney and Vents

504.2.9                      Chimney and Vent Locations

Where vents extend outdoors above the roof more than 5 feet higher than required by Figure 503.6.4 and where vents terminate in accordance with Section 503.6.4, Item 2, the outdoor portion of the vent shall be enclosed as required by this section for vents not considered to be exposed to the outdoors or such venting system shall be engineered.

504.2.17                      Height Entries:

This new section addresses when vent height falls between entries in the height column of the applicable table in Tables 504.2(1) through 504.2(6) the higher appliance input rating shall be used for the FAN MAX and NAT MAX column values and the higher appliance input rating shall be used for the FAN MIN column values.

504.3.20                      Chimney and Vent Locations:

Change same as 504.2.9.

504. 3.28                      Height Entries:

Changes same as 504.2.17.

Chapter 6                      Specific Appliances

618.4                      Prohibited Sources

A dedicated force-air heating system that is only serving a garage may take return air from the garage where the furnace is located, provided the return air inlet complies with Item 5 in this section. Only appliances with atmospheric burners need to comply with the requirements in Item 5 Exception 2.3. Appliances with closed combustion chambers are not intended to be included in this exception.