

## Comm 65 Fuel Gas Appliances

### Subchapter I — Purpose, Scope, Application and Compliance

**Comm 65.0001 Purpose and scope. (1) PURPOSE.** The purpose of this chapter is to regulate the design, installation, operation and maintenance of gas-fueled heating, ventilating and air conditioning systems in buildings and structures as specified in ch. Comm 61.

(2) SCOPE. The scope of this chapter is as specified in s. Comm 61.02.

**Comm 65.0002 Application. (1) GENERAL.** The application of this chapter is as specified in s. Comm 61.03 and as modified in this section.

(2) APPLICABILITY. All heating, ventilating and air conditioning systems shall be designed, installed, maintained and operated so as to provide the service and results required within the provisions of this chapter. The minimum requirements established in each part of this chapter shall be complied with as they apply to the structures and facilities covered in the IBC.

(3) ADDITIONS. (a) This chapter applies to all additions to existing buildings and structures as specified in s. Comm 61.03.

(b) Except when an existing heating, ventilation and air conditioning system is extended to serve an addition, existing system components are not required to be replaced if the provisions in this chapter are met within the addition.

(4) ALTERATIONS. (a) This chapter applies to all remodeling and alterations in any building or structure which affect the replacement of major equipment as specified in s. Comm 61.03.

(b) When an existing heating, ventilating and air conditioning system serves a remodeled or altered space that has not undergone a change in occupancy or use, the existing system components are not required to be replaced if the provisions in this chapter that applied to the original construction of the space are met.

**Note:** “Occupancy or use” refers to the entries in Table 64.0403.

**Note:** Maintenance and repair to existing equipment when there is no change to the building or occupancy, is considered an alteration.

**Comm 65.0003 Compliance.** All gas-fueled heating, ventilating and air conditioning systems in buildings and structures shall comply with the IFGC and the changes, additions or omissions under subch. II.

**Comm 65.0004 Approval of drawings and specifications.** All drawings and specifications shall be submitted to the department in accordance with the provisions of subch. III, ch. Comm 61.

## **Subchapter II—Changes, Additions or Omissions to the International Fuel Gas Code (IFGC)**

**Comm 65.0100 Changes, Additions or Omissions to the International Fuel Gas Code® (IFGC).** Changes, Additions or Omissions to the international fuel gas code are specified in this subchapter and are rules of the department and are not requirements of the IFGC.

**Note:** This subchapter is numbered to corresponds with the numbering used within the model code; i.e., s. Comm 65.0201 refers to section IFGC 201.

**Comm 65.0101 Administration.** Except for IFGC sections 102.8 and 108.7, the requirements in IFGC chapter 1 are not included as part of this chapter.

**Comm 65.0201 Definitions. (1)** This is a department substitution for the corresponding definition in IFGC section 201: "Unusually tight construction" means the total area of outdoor openings is less than 3% of the floor area of the space in which equipment is located.

**(2)** This is a department addition to the definitions in IFGC section 201: "DHFS" means the department of health and family services.

**Comm 65.0300 Temperature control.** This is a department rule in addition to the requirements in IFGC chapter 3: The requirements in IMC section 309 and s. Comm 64.0309 apply to gas-fired equipment and systems.

**Comm 65.0301 General regulations.** Substitute the following wording for the requirements in IFGC section 301: The requirements as specified in s. Comm 64.0301 (2) (b) shall apply.

**Comm 65.0303 Appliance location. (1) GENERAL.** This is a department rule in addition to the requirements in IFGC section 303.1: If the air entering the heat exchanger of all gas-fired equipment is 30°F or lower, the heat exchanger and burners shall be constructed of corrosion-resistant materials.

**(2) PROHIBITED LOCATIONS.** The requirements in IFGC section 303.3 Exceptions 3. and 4. are not included as a part of this chapter.

**Comm 65.0304 Combustion, ventilation and dilution air. (1) GENERAL.** This is a department rule in addition to the requirement of IFGC section 304.1: The requirements in IMC sections 705, 706, and 707 shall apply to gas appliances.

(2) **UNUSUALLY TIGHT CONSTRUCTION.** This is a department informational note to be used under IFGC section 304.9:

**Note:** When applying the provisions of this section, refer to s. Comm 65.0201 (1) for the definition for "unusually tight construction".

(3) **ALL AIR FROM INSIDE THE BUILDING.** This is a department rule in addition to the requirements in IFGC section 304.10: When the space providing air for combustion, ventilation and dilution of flue gases has a minimum volume of 250 cubic feet per 1,000 Btu per hour combined input rating of all appliances, the use of inside air for combustion shall be allowed.

(4) **COMBUSTION AIR DUCTS.** This is a department rule in addition to the requirement of IFGC section 304.15: Mounting height of the combustion air intakes shall have the lowest side of outside air intake openings located at least 12 inches vertically from the adjoining grade level.

**Comm 65.0305 Installation. (1) GENERAL.** These are department rules in addition to the requirements in IFGC section 305.1:

(a) *Additional requirements.* The requirements in IMC sections 304.2, 304.8, 304.9, 304.10, and 305 as adopted in s. Comm 64.0304 shall apply to gas appliance installations.

(b) *Final test required.* The requirements as specified in s. Comm 64.0313 shall apply.

**Comm 65.0306 Access and service space.** This is a department exception to the requirements in IFGC section 306.5.1: Section IFGC 306.5.1 does not apply to installations which consist of only fans.

**Comm 65.0400 Gas piping installations.** Substitute the following wording for the requirements and exceptions in IFGC chapter 4: All gas piping and gas piping installations shall comply with NFPA 54, National Fuel Gas Code.

**Comm 65.0501 Chimneys and vents. (1)** This is a department informational note to be used under IFGC chapter 5:

**Note:** For DHFS licensed healthcare facilities as specified in chs. HFS 124, 132, and 134, also refer to NFPA 211 as adopted in these chapters.

(2) The requirements in section IFGC 501.8 item 8 are not included as a part of this chapter.

(3) Substitute the following wording for the requirements in section IFGC 501.8 item 10: Infrared radiant heaters listed for unvented use and not provided with flue collars.

**Comm 65.0503 Venting of equipment. (1) MECHANICAL DRAFT SYSTEMS.** These are department rules in addition to the requirements in IFGC section 503.3.3:

(a) All horizontal exit terminals of a gas appliance mechanical draft system shall be located in accordance with IMC section 804.3.4, items 4 and 5.

(b) All vertical exit terminals of a gas appliance mechanical draft system shall be located in accordance with IMC section 804.3.5, items 3 and 6.

**(2) VENTING SYSTEM TERMINATION LOCATION.** Substitute the following wording for the requirements, but not the exceptions, in IFGC sections 503.8 items 1, 2 and 3:

(a) The separation between gravity and mechanical air inlets and venting system terminations shall comply with IMC section 401.5.1 and s. Comm 64.0401 (4).

(b) Unless a greater distance is specified by the manufacturer, mechanical draft venting systems shall terminate at least 12 inches vertically from the adjoining grade level.

**Comm 65.0609 Duct furnaces.** The requirements in IFGC section 609.2 are not included as part of this chapter.

**Comm 65.0617 Forced-air warm-air furnaces.** Substitute the following wording for the requirements and exceptions in IFGC section 617.5: Gas-fired appliances shall comply with IMC section 918 and s. Comm 64.0918.

**Comm 65.0620 Unvented room heaters.** Substitute the following wording for the requirements in IFGC section 620: The use of unvented room heaters is prohibited.

**Comm 65.0629 Infrared radiant heaters.** These are department rules in addition to the requirements in IFGC section 629.1:

(1) Spaces served with unvented infrared radiant heaters shall be provided with at least 4 cfm of outside air per 1,000 Btu per hour input of installed heaters.

(2) Unvented infrared radiant heaters may be used only in the following occupancies:

(a) Groups F and S.

(b) Groups U and H only with written approval.

**Comm 65.0630 Boilers.** Substitute the following wording for the requirements in IFGC section 630: The provisions of ch. Comm 41 shall govern the installation, alteration and repair of boilers and pressure vessels.

**Comm 65.0700 Referenced standards.** This is a department rule in addition to the requirements in IFGC chapter 7: ANSI Z223.1/NFPA 54-1999.

**Note:** Copies of the adopted standards are on file in the offices of the department, the secretary of state and the revisor of statutes. Copies may be purchased through the respective organizations as listed in the IMC.

**Note:** The tables in this section provide a comprehensive listing of all of the standards adopted by reference in this chapter. For requirements or limitations in how these standards are to be applied, refer to the code section that requires compliance with the standard.

**Comm 65.0800 Appendices.** IFGC Appendices A to D are not included as part of this chapter.

*File reference: IBC/Comm 65*