

CHAPTER 30.1

INTERNATIONAL FUEL GAS CODE

Article

30.1-01 International Fuel Gas Code--Adoption--Amendments, §§ 30.1.-0101 to 30.1-0102

ARTICLE 30.1-01

INTERNATIONAL FUEL GAS CODE -- ADOPTION

Section

30.1-0101 Adoption of International Fuel Gas Code by Reference

30.1-0102 Amendment to International Fuel Gas Code

30.1-0101. Adoption of International Fuel Gas Code by Reference.--There is hereby adopted by reference by the Board of City Commissioners, for the purpose of prescribing regulations governing standards, relative to housing in the City of Fargo, that certain code known as the International Fuel Gas Code recommended and compiled by the International Conference of Building Officials, being particularly the 2003 Edition thereof, of which code not less than three copies of been filed and are now on file in the office of the City Auditor, and the same is hereby adopted and incorporated as fully as if set out in length herein, and from the date on which this ordinance shall take effect, the provisions thereof shall be controlling within the limits of the city.

Source: 4186 (2001), 4430 (2004).

30.1-0102. Amendment to International Fuel Gas Code.--The International Fuel Gas Code as adopted in Section 30.1-0101 is hereby changed and amended as follows:

Exception 3 to Section 303.3 is hereby deleted.

Section 304.6 is hereby amended to read as follows:

Amend second paragraph to amend final sentence of second paragraph to read:
Where directly communicating with the outdoors, or where communicating with the outdoors through vertical ducts, each opening shall have a minimum free area of 1 square inch per 4,000 Btu/h (550 mm²/kw) of total input rating of all equipment in the enclosure.

Section 304.6.2 is hereby amended to read as follows:

The opening shall directly communicate with the outdoors or through a vertical or horizontal duct to the outdoors and shall have a minimum free area of 1 square

inch per 3,000 Btu/h (734 mm²kw) of the total input rating of all equipment located in the enclosure, and not less than the sum of the areas of all vent connectors in the space.

Section 305.7 is hereby amended to read as follows:

Equipment and appliances installed at grade level shall be supported on a level concrete slab or other approved material extending a minimum of 4 inches above adjoining grade or shall be suspended a minimum of 6 inches (152mm) above adjoining grade.

Section 403.3 is hereby amended to read as follows:

Material not covered by the standards specifications listed herein shall be investigated and tested to determine that it is safe and suitable for the proposed service, and, in addition, shall be recommended for that service by the manufacturer and shall be approved by the code official. Listed LPG hose may be used with natural gas when used for temporary heating at a maximum length of 50 feet.

Section 403.10.1.1 is hereby added to read as follows:

403.10.1.1. Gas supply systems with pressures 5 psig or greater and gas pipe joints 2½ inches or larger, regardless of pressure, shall be welded.

Section 403.10.4 to hereby amended to read as follows:

1. Threaded fittings in sizes larger than 2½ inches or larger shall not be used except where approved.

Section 406.4 is hereby amended to read as follows:

Dial gauges used to measure test pressures shall be performed with gauges of 2 psi (13.8 kpa) incrimination or less and have a range not exceeding 100 psi unless otherwise approved.

Section 406.4.1 is hereby amended to read as follows:

Test Pressure. The test pressure to be used shall be no less than 1 ½ times the proposed maximum working pressure, but not less than 25 psig, irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe.

Section 408.2 is hereby amended to read as follows:

Drips. Where wet gas exists, a drip shall be provided at any point in the line of pipe where condensate could collect.

Section 415.1 is hereby amended to add the following:

In addition to the requirements of Table 415.1, piping and tubing shall be supported within 2 feet (610 mm) of every bend or angle.

Section 501.8 is hereby amended by deleting item 8 and renumbering as follows:

8. Direct-fired make-up air heaters.
9. Other equipment listed for unvented use and not provided with flue collars.
10. Specialized equipment of limited input such as laboratory burners and gas lights.

Section 501.12 is hereby amended to read as follows:

Residential and low-heat appliances flue lining systems. Flue lining systems for use with residential-type and low-heat appliances shall be limited to the following:

1. Clay flue lining complying with the requirements of ASTM C 315 or equivalent when each appliance connected into the masonry chimney has a minimum input rating greater than 400,000 Btu/h. Clay flue lining shall be installed in accordance with the *International Building Code*.
2.
3.

- a. Aluminum (1100 or 3003 alloy or equivalent) not less than 0.032 inches thick to 8 inches diameter.
- b. Stainless steel (304 or 430 alloy or equivalent) not less than 26 gauge (0.018 inches thick) to 8 inches diameter or not less than 24 gauge (0.024 inches thick) 8 inches diameter and larger.

When a metal liner is used other than a listed chimney liner a condensation drip tee shall be installed and supported in an approved manner.

Section 503.5.3 is hereby amended to read as follows:

Masonry chimneys. Masonry chimneys shall be built and installed in accordance with NFPA 211 and shall be lined as per sec. 501.12.

Section 614.6.1 is hereby amended to read as follows:

Maximum length. The maximum length of a clothes dryer exhaust duct shall not exceed 25 feet (7620 mm) from the dryer location including two 90-degree elbows, to the outlet terminal. The maximum length of the duct shall be reduced 2 ½ feet (762 mm) for each additional 45-degree (0.79 rad) bend and 5 feet (1524 mm) for each additional 90-degree (1.6 rad) bend. * * *

Section 618.6 is hereby amended to read as follows:

Screen. Required outdoor air inlets for residential portions of a building shall be covered with a screen having ¼ inch (6.4 mm) openings. Required outdoor air inlets serving a non-residential portion of a building shall be covered with a screen having openings larger than ¼ inch (6.4 mm) and not larger than ½ inch.

Section 621.7 is hereby renumbered as follows:

621.1 Unvented log heaters. An unvented log heater shall not be installed in a factory-built fireplace unless the fireplace system has been specifically tested, listed and labeled for such use in accordance with UL 127.

Section 621.2 is hereby deleted.

Section 621.3 is hereby deleted.

Section 621.4 is hereby deleted.

Section 621.5 is hereby deleted.

Section 621.6 is hereby deleted.

Section 623.1 is hereby amended to read as follows:

Cooking appliances. Cooking appliances that are designed for permanent installation, including ranges, ovens, stoves, broilers, grills, fryers, griddles, hot plates and barbecues, shall be tested in accordance with ANSI Z21.1, ANSI Z21.58, or ANSI Z83.11 and shall be listed, labeled, and installed in accordance with the manufacturer's installation instructions.

Chapter 8 Reference Standards are hereby amended as shown:

CSD-1-2002 Controls and Safety Devices for Automatically Fired Boilers

Figure 304.6.1 (1) is hereby deleted in its entirety.

Figure 304.6.1 (2) is hereby deleted in its entirety.

Figure 304.6.2 is hereby amended as shown below:

(Show combustion air duct extending through roof instead of open to the attic.)

Source: 4186 (2001), 4403 (2004), 4430 (2004).

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FOR FUTURE EXPANSION