

AMENDMENTS TO THE 2024 INTERNATIONAL FUEL GAS CODE

4-7-2: AMENDMENTS TO THE 2024 INTERNATIONAL FUEL GAS CODE

The following sections of the 2024 International Fuel Gas Code, adopted by reference as set forth in Section 4-7-1, are amended as follows:

CHAPTER 1 ADMINISTRATION

101.1 Title. These regulations shall be known as the Mesa Fuel Gas Code, hereinafter referenced to as “this code.”

A new **Section R101.1.1 Reference Changes** is added as follows:

R101.1.1 International Code References. Within the technical codes and the referenced codes and standards therein, specific references to the following International Codes shall be deemed and interpreted to mean the specific City of Mesa Codes as listed herein:

1. International Building Code (IBC) is redefined as Mesa Building Code (MBC)
2. International Fire Code (IFC) is redefined as Mesa Fire Code (MFC)
3. International Residential Code (IRC) is redefined as Mesa Residential Code (MRC)
4. International Mechanical Code (IMC) is redefined as Mesa Mechanical Code (MMC)
5. International Fuel Gas Code (IFGC) is redefined as Mesa Fuel Gas Code (MFGC)
6. International Existing Building Code (IEBC) is redefined as Mesa Existing Building Code (MEBC)
7. International Plumbing Code (IPC) is redefined as Mesa Plumbing Code (MPC)
8. International Swimming Pool and Spa Code (ISPSC) is redefined as Mesa Swimming Pool and Spa Code (MSPSC)
9. International Energy Conservation Code (IECC) is redefined as Mesa Energy Conservation Code (MECC).

Sections 101.4 through 114.4 are deleted in their entirety. Any reference to Sections 101.4 through 114.4 shall comply with the Mesa Administrative Code (Mesa City Code, Title 4, Chapter 1).

CHAPTER 4 GAS PIPING INSTALLATIONS

404.12 Minimum Burial Depth. Underground piping systems shall be installed a minimum depth of 12 inches (305 mm) below grade for metal piping and 18 inches (457 mm) for plastic piping.

Section 404.12.1 is deleted in its entirety.

406.4 Test Pressure Measurement. Test pressure shall be measured with a manometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made.

406.4.1 Test Pressure. The test pressure to be used shall be not less than 10 pounds per square inch (68.9 kPa) gauge pressure, or where approved by the building official, the piping and valves may be tested at a pressure of at least 6 inches (152.4 mm) of mercury, measured with a manometer or slope gauge. For welded piping, and for piping carrying gas at pressures in excess of 14 inches (355.6 mm) water column pressure, the test pressure shall not be less than sixty 60 pounds per square inch (413.4 kPa). 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% of the specified minimum yield strength of the pipe.

A new **Section 406.4.3 Test Gauges** is added as follows:

406.4.3 Test Gauges. Tests required by this code that are performed utilizing dial gauges shall be limited to gauges having the following pressure graduations or incrementations:

1. Pressure tests of 10 pounds (69 kPa) or less shall be performed with gauges of one-tenth pound (0.7 kPa) incrementation or less.
2. Pressure tests exceeding 10 pounds (69 kPa) but less than one hundred 100 pounds (689 kPa) shall be performed with gauges of 1 pound (6.9 kPa) incrementation or less.
3. Pressure tests exceeding 100 pounds (689 kPa) shall be performed with gauges incremented for 2% or less of the required test pressure.

406.4.3.1 Pressure Range. Test gauges shall have a pressure range not greater than twice the test pressure applied.

A new **Section 406.8 Connection of Service Utilities** is added as follows:

406.8 Connection of Service Utilities. A person shall not make connections from a utility, source of energy, fuel or power to any building or system that is regulated by this code for which a permit is required until authorized by the code official.

CHAPTER 8 REFERENCED STANDARDS

NFPA (National Fire Protection Association):

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| 37 – 24 | Installation and Use of Stationary Combustion Engines and Gas Turbines |
| 82 – 24 | Incinerators and Waste and Linen Handling Systems and Equipment |
| 211 – 24 | Chimneys, Fireplaces, Vents and Solid Fuel-Burning Appliances |
| 853 – 25 | Installation of Stationary Fuel Cell Power Systems |