



OKLAHOMA

Uniform Building Code Commission Staff Comment Form - [FGMP 24](#)

FGMP Technical Committee

Review of the 2021 Editions of the International Fuel Gas Code® (IFGC®), International Mechanical Code® (IMC®), International Plumbing Code® (IPC®)

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Contact Information:

Name: OUBCC Staff

Date 5/17/23

Email: Kathy.Hehnlly@oubcc.ok.gov

Phone: 405-521-6501

Code Change Information

Originating Committee: FGMP 2009

Code Modified: 2018 IPC

Original Comment Form Number: FGMP 7,
52, 74, 8 & 27

Rule Number: 748:20-16-8 (4), (5) & (6)

Which area of the code (Section, Table, Figure) was revised?

Chapter 3, Sections 312.2, 312.3 & 312.6

Page Number: 3-5

Previous Change:

312.2 Drainage and vent water test. A water test shall be applied to the drainage system either in its entirety or in sections. If applied to the entire system, all openings in the piping shall be tightly closed, except the highest opening, and the system shall be filled with water to the point of overflow. If the system is tested in sections, each opening shall be tightly plugged except the highest openings of the section under test, and each section shall be filled with water, but no section shall be tested with less than a ~~10 foot (3048 mm)~~ 5 foot (1524 mm) head of water. In testing successive sections, ~~not less than the upper 10 feet (3048 mm)~~ at least the upper 5 feet (1524 mm) of the next preceding section shall be tested so that no joint or pipe in the building, except the uppermost ~~10 feet (3048 mm)~~ 5 feet (1524 mm) of the system, shall have been submitted to a test of less than a ~~10 foot (3048 mm)~~ 5 foot (1524 mm) head of water. This pressure shall be held for ~~not less than~~ at least 15 minutes. The system shall then be tight at all points.

312.3 Drainage and vent air test. Plastic piping shall not be tested using air. An air test shall be made by forcing air into the system until there is a uniform gauge pressure of ~~5 psi (34.5 kPa)~~ 2.5 psi (17.25 kPa) or sufficient to balance a ~~10-inch (254mm)~~ 5-inch (127 mm) column of mercury. This test shall be held for a period of not less than 15 minutes. Any adjustments to the test pressure required because of changes in ambient temperatures or the seating of gaskets shall be made prior to the beginning of the test period.

312.6 Gravity sewer test. Where required, gravity sewer tests shall consist of plugging the end of the building sewer at the point of connection with the public sewer, filling the building sewer with water, testing with not less than a ~~10-foot (3048 mm)~~ 5 foot (1024 mm) head of water and maintaining such pressure for 15 minutes.

Historical information

These modifications were originally made by the 2009 Plumbing committee. The original changes allowed the AHJ to specify the testing at less than a 10-foot head of water. In the 2015 reivew, the FGMP committee changed it to a 5-foot head of water to match what was being done by jurisdictions in Oklahoma and changed the equivalent pressure requirements in Section 312.3 to match. They felt the changes would allow the AHJ to require a more stringent test if they felt it was needed.