



Permit & Development Center

Fuel Gas and Plumbing Code Policy

Policy Title:	Natural Gas Piping Testing Requirements, Gas Pipe Sizing, and Appliance Shutoffs
Effective Date:	January 1, 2020
Issued By:	Brian Bishop, Deputy Building Official
Purpose:	Establish clarifications for natural gas piping testing, sizing, and shutoff locations
Applicability:	Fuel Gas Code/ Plumbing Code natural gas piping

Effective January 1, 2020, the following requirements are established for natural gas piping installations to provide additional clarity:

Testing Requirements

1. In lieu of the testing requirements specified in section 8.1.4.2 of the 2018 National Fuel Gas Code (NFPA 54) and section 1213.3 of the 2018 Uniform Plumbing Code, natural gas piping test pressures shall be tested at a minimum of 10 psi for threaded piping and corrugated stainless steel tubing (CSST) piping. Welded gas piping shall be tested at 60 psi. The test duration for a 10 psi test shall be no less than 15 minutes and the test duration for 60 psi test shall be no less than 30 minutes.

Gas Piping Sizing

1. For the purposes of gas pipe sizing, the City of Des Moines shall only accept 0.5 inch water column pressure drop tables for inlet gas pressures of 5 inches to 9 inches of water column.

Gas Appliance Shutoff Location

1. Every gas appliance shall have a gas shutoff valve within 6 feet of the appliance. Each gas shutoff valve shall be independent to the appliance being served and located within the same room as the appliance being served.