



Department of Building Safety

Policy and Procedure Statement

FROM: Chad Root, CBO

SUBJECT: High Efficient Gas Appliance Replacements and Exhaust Vent Inspections

DATE: October 17, 2018
(Revised 8/16/2024)

Purpose: The purpose of this policy is to give direction on when 90% plus efficiency furnaces and boilers are required to be installed by the Building Code and how testing of vent pipe shall be done and when.

Policy: 90% plus Furnaces, Hot Water Heaters, and Boilers are required on all new construction, additions, remodels and replacements at the time of inspection the must have a exhaust vent pipe inspection of the vent to ensure there are no leaks at 5 PSI positive pressure for 15 minutes, 10 ft water test, or Negative 5 psi air pressure test for 15 minutes . This can be done at the time of Final inspection which we will look to ensure it is holding pressure and then the cap can be removed primer added and glued to the furnaces, Boiler or Water Heater or high efficient gas appliance.

The state of Colorado Requires all high efficient gas water heater exhaust vents to be tested in 3 CCR 720-1 Section 3 Revisions to the international Fuel Gas Code 3- I section 503.4.1 Plastic Piping. “ Where installed as an exhaust vent for gas fired water heater, the new plastic pipe shall be tested with 5 psi or 10 ft. head water column at the time of inspection prior to being connected to the water heater.

