



**Boulder County  
Land Use Department  
Publications**

## **Gas Log Approval Requirements**

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**Office Hours:**  
Monday – Friday 8:00 AM to 4:30 PM

Building Permits can be applied for  
and issued until 4:00 PM

## **Gas Log Approval Requirements**

Per the 2003 IRC.

### **Gas Log Installations**

Gas logs may be installed in a solid-fuel burning fireplace, provided:

- a. The gas log unit must be a listed appliance and permanently labeled.
- b. The gas log is installed in accordance with the manufacturer's installation instructions.
- c. The damper must be permanently blocked open to sufficiently prevent the spillage of combustion products into the room. ( damper clamps that are an integral part of a listed gas log assembly , and are installed in accordance with the manufacturer's instructions are permitted).
- d. The minimum flue passageway shall not be less than 1 sq. inch per 2,000 btu/h input.
- e. When equipped with a pilot, gas logs shall have a safety shutoff valve.
- f. Gas logs may be installed in factory-built fireplaces only if the factory-built fireplace is listed for the installation of a gas log, and provided with a means for installation of the gas piping.
- g. Permanent combustion air openings, which communicate directly with the outdoors, shall be provided in the to the gas log unit when required by International Residential Code Chapter 24, or if the unit is installed in a bedroom.
- h. Ventless gas log units may be installed provided:
  1. The unit is a listed, tested unit, and is permanently labeled.
  2. The unit is equipped with an oxygen depletion sensor, and not connected to any automatic ignition or shut-off device except the oxygen- depletion sensor.
  3. It is not installed in a room that does not have an alternative primary source of heat.
  4. The space containing the unit has a free air volume of at least 50 cubic feet for each 1,000 btu/h of thermal input.
  5. The unit does not have a rating exceeding 40,000 btu/h.
  6. The unit must be permanently installed.
  7. There must be an approved carbon monoxide detector with alarm installed in accordance with its listing.

### **Rough Inspection Requirements**

- a. New gas pipe installed, with a pressure test to 1-1/2 times the working pressure and not less than 3 psi for not less than 10 minutes.
- b. Gas shutoff valve installed within 3 ft of the appliance.( not required if the appliance can be removed without the removal of the shutoff valve).
- c. The vent or chimney liner must be installed.
- d. Plastic gas piping is approved for use outside the building only.

### **Final Inspection Requirements**

- a. Final gas connection completed, and firebox penetrations sealed.
- b. Combustible trim or mantel in place.
- c. The unit must be operating.

**Please Note:** The final inspection may be waived if all of the requirements for the rough inspection are completed, and the gas log unit is on site and available for inspection. For ventless units, the carbon monoxide detector must be installed.

Boulder County's policy for a pressure test requires 10 psi for 15 minutes.