



TOWN OF HUDSON

FIRE DEPARTMENT - INSPECTIONAL SERVICES DIVISION

12 School Street • Hudson, New Hampshire 03051 • Tel: 603-886-6005 • Fax: 603-594-1142

GAS MECHANICAL / MECHANICAL PERMIT APPLICATION

Installation Address: _____ Business Name: _____ Unit: _____ Type of Occupancy: Residential <input type="checkbox"/> Commercial/Industrial <input type="checkbox"/> Estimated Cost: _____ Permit Fee: _____	Office Use: Permit#: _____ Map: _____ Lot: _____ Zone: _____
Gas Piping: New <input type="checkbox"/> Existing <input type="checkbox"/> Above Ground <input type="checkbox"/> Below Ground <input type="checkbox"/> Piping Type: Black Iron <input type="checkbox"/> CSST* <input type="checkbox"/> Poly <input type="checkbox"/> Copper <input type="checkbox"/> Other <input type="checkbox"/> <small>*Please provide a copy of your current manufacturer's certification.</small>	
Gas Appliance: New <input type="checkbox"/> Replacement <input type="checkbox"/> Furnace <input type="checkbox"/> Hot Water Heater <input type="checkbox"/> Fireplace <input type="checkbox"/> Boiler <input type="checkbox"/> Generator** <input type="checkbox"/> Other*** _____ <small>**Gas Generators require a gas appliance and electrical permit. Generator permit fee includes piping permit costs. ***Appliances that do not require a permit: cooking stove and gas dryers.</small>	
Make : _____ Model: _____ Serial: _____ Fuel: LP <input type="checkbox"/> Natural <input type="checkbox"/> Vent Type: _____ Install Date: _____ Electric: _____	
Owner: _____ Mailing Address: _____ _____ Daytime Phone #: _____ Cell Phone #: _____ Email: _____	Contractor: _____ Mailing Address: _____ _____ Daytime Phone #: _____ Cell Phone #: _____ Email: _____
Installer: _____ Cell Phone #: _____ License Class: _____ License #: _____ Expiration Date: _____ <small>**License/photo ID will be required at the time of application.</small>	
Permits shall be issued in accordance with Chapter 205, Section 4 of the Hudson Town Code. Installation shall meet all applicable codes and standards. **** Note: Permit to operate the units noted above will be issued upon final inspection and approval.****	
My signature below indicates that the installation has met all applicable National Fire Protection Association and ICC codes and standards.	
_____ Signature of Installer	_____ Date
_____ _ Signature of ISD Authorized Representative	_____ Date



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GAS PIPING AND APPLIANCE REQUIREMENTS

Due to the adoption of new codes by the State of New Hampshire, the Hudson Fire Department will now require the following:

- 1) Gas piping and appliances shall be installed to the currently adopted edition of NFPA-54 as adopted by the State of New Hampshire.
- 2) The installer shall provide an efficiency test at the time of inspection.
- 3) The installer shall provide a piping sketch or plan before proceeding with the installation. This plan shall show the proposed location of piping, the size of different branches, various load demands and the location of the point of delivery.
- 4) The installer shall provide an approximate date of install and notify our office if the date is changed.
- 5) The installer shall provide Hudson Fire Department with the pipe calculation method they will be using and a copy of their calculations.
- 6) If installing CSST piping, installer shall provide a copy of their current manufacturers' certification.
- 7) Sediment traps for gas appliances shall be a minimum of 3 inches in length.
- 8) A rough inspection of the gas piping shall be conducted by Hudson Fire Prevention including a pressure test with a pressure set at 5 PSI.
- 9) A final inspection of the gas piping and appliances shall be conducted by Hudson Fire Prevention.
- 10) Gas piping shall not be painted before final inspection.
- 11) Water heaters shall have temperature limiting devices.
- 12) Boilers shall have temperature limiting devices, low water cutoffs and pressure relief valves.



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GAS LINE AND APPLIANCE HELP SHEET

Pipe Sizing

1. Size gas piping by using Table 6
2. Divide btu per hour by btu per cubic foot heating value of gas supplied

Acceptable piping materials

1. Schedule 40 steel and wrought iron
2. (CSST) Corrugated Stainless Steel Tubing

Gas Meters

1. Shall be located in ventilated spaces readily accessible
2. Shall not be placed where subject to physical damage
3. Shall be located at least 3 feet from sources of ignition
4. Shall be marked by a metal tag designating the building

Gas Piping

1. Shall be sleeved when passing through a foundation wall
2. Space between gas piping and building shall be sealed
3. Shall not be installed in or through a clothes chute, chimney or gas vent, dumbwaiter, elevator shaft or air ducts other than combustion air ducts.
4. Shall be supported with suitable pipe hooks, metal pipe straps, bands, brackets, or hangers
5. Piping supports shall be spaced in accordance with Table 6.2.6.2
6. Drip traps provided where necessary

Bonding and Grounding

1. Above ground piping that is likely to become energized shall be electrically continuous and bonded to an effective ground-fault current path
2. All CSST piping must be bonded
3. Gas piping shall not be used as a grounding conductor

Pressure Test

1. Shall be no less than 1 ½ times the proposed maximum working pressure, not less than 5 PSI
2. Test duration shall be not less than ½ hour for each 500 ft of pipe volume
3. Single family dwelling test duration shall be a minimum of 10 minutes

CSST Piping

1. Minimum Support or Hanger Intervals: 4ft for ½” or below and 6ft for ¾” and above.