



Gas Water Heater Installation Inspection Checklist

This checklist is a guide and does not include all code requirements.

- If in garage, the water heater ignition source must be not less than 18 inches above the floor.
Exception: If water heater is rated/listed as Flammable-Vapor-Ignition resistant. IRC M1307.3
- If in garage, water heater which is in direct route of an automobile shall have impact protection. (Pipe bollards or curb stops installed to prevent vehicle impact into the appliance.) IRC M1307.3.1
- Venting of water heater shall be installed in accordance with the manufacturer's installation instructions. IRC M1801.1
- Vent piping shall have a 1/4" fall per foot and three (3) screws in each joint fitting. Furnace cement is required at the flue/thimble connection into the chimney. IRC M1803
- When a check valve/backflow preventer is installed after the water meter, a thermal expansion tank is required on the cold water feed pipe rated for the appliance(s) served. IRC M2003
- Combustion air is to be provided per IRC Section G2407.
- New CSST piping is to be installed per manufacturer's installation instructions and IRC G2415.2, Bonding of CSST is to conform to IRC G2411.1.1. CSST types with valid ICC-ES or equivalent reports that allow installations without bonding are permitted.
- Gas piping drip leg is required at the gas shutoff valve. IRC G2419
- New ball type (non-displaceable) gas shut off valves are required. Old-style gas valves are not approved. IRC Table G2420.1.1
- Water heater drain pan required if water heater located where leaking will cause damage. IRC P2801.6
 - Galvanized steel or aluminum or other approved materials. Unlisted plastic pans are prohibited for gas water heater installations. IRC P2801.6
 - Drain pan termination to indirect waste or to the exterior. IRC P2801.6.2
- Temperature-pressure relief valve drain discharge shall be constructed of materials approved for water distribution as listed in IRC Table P2906.5. IRC 2806.4.6
 - PEX discharge piping to be one size larger than outlet per IRC P2804.6.1(14)
- Temperature-pressure relief valve drain shall discharge a maximum of 6 inches above floor. IRC P2804.6.1(10)
- Full-size open valve required on cold water side supply line to the water heater. IRC P2903.9.2