

# Water Heaters

A plumbing permit is required to install a water heater, [1300.0120 Subpart 1](#). A permit may be waived when replacing an existing water heater in one-and two-family dwellings if there is no alteration to the existing water supply line [1300.0215 Subpart 1-C-1](#).

## Inspection Checklist:

FGC = Fuel Gas Code, MC = Mechanical Code, PC = Plumbing Code

1. **Gas Shutoff Valve** is located upstream from the union in the same room within 6 feet of the gas water heater, [FGC 409.5.1](#).
2. **Electrical Power** is an approved source per manufacture requirements, [MC 304.1](#).
3. **Water Shutoff valve** is accessible in the cold-water supply to water heater, [PC 606.5](#).
4. **Temperature Pressure Relief Valve Pipe** is secure and not more than 18" above the floor or discharges through an air gap to a safe place, [PC 608.5 item #3](#).
5. **Union** is within 12" of equipment for service, removal or replacement, [PC 609.5](#), or within 6 feet of a water heater when it is connected to rigid metal pipe, [FGC 411.1.6](#).
6. **Drainage Pan** at least 1½" deep with a minimum ¾" drain to an approved plumbing fixture is under water heaters installed above the basement floor, [PC 507.5](#).
7. **Sediment Trap** is downstream of the appliance shutoff valve as close to the inlet of the appliance as practical for gas water heaters, [GC 408.4](#).
8. **Combustion Make Up Air** is provided for draft vented appliances, [MC 304.1 + 501.4.2](#).
9. **Venting, Draft Hood and Vent Connectors** are installed as specified by the appliance manufacturer, [FGC 503 and 504](#).
10. **Vent Pipe Connectors** have a minimum ¼" slope up from water heater, [MC 803.10.5](#).
11. **Gas Piping Support:** 1/2" copper tubing - 4', 1/2" steel or 5/8" copper - 6', [FGC 415.1](#).
12. **Dielectric Fitting or Union** is installed at dissimilar metal pipe joints, [PC 605.16.1](#).

Dielectric Union



**NOTE:** This checklist is a guide only and does not include all installation requirements.



*Accuracy – Efficiency – Uniformity*