



CITY OF MURPHY WATER HEATER REQUIREMENTS

Permit Requirements:

1. A permit is required.
2. Permit fee- See Murphy Code of Ordinances, Article A9.000 Building, Construction and Development Related Fees
3. Tankless Water Heater Permits are not processed as an over-the-counter permit and requires additional documentation at time of submittal as identified at the bottom of this document.

Requirements for Installation:

A sediment trap is required downstream of the equipment shut off valve as close to the inlet of the water heater as practical.

Pans are required and shall be not less than 1½ inches deep and equipped with a minimum ¾ inch drain line.

The pan drain line shall be of materials in accordance with: 2015 IRC Table 2906.5 and 2015 IPC Table 605.4.

T&P discharge lines shall only be of approved materials listed in Section P2906.5 of the 2015 IRC or Section 605.4 of the 2015 IPC and conform to NSF 61.

Water heaters installed in garages. Water heaters having an ignition source shall be elevated 18 inches above the garage floor. ***Exception: Elevation of the ignition source is not required for appliances that are listed as flammable vapor ignition resistant.***

T&P and pan discharge/drain lines shall be piped separately to the exterior of the building.

T&P discharge lines shall not terminate more than 6" and not less than two times the discharge pipe diameter above grade or the waste receptor flood level rim.

Pan drain lines shall terminate not less than 6" or more than 24" above grade or more than 6" above a code approved waste receptor.

All water lines shall be connected to the water heater by means of a union.

Single wall vent pipes shall have two or more screws in each connection. 2015 IRC R2427.10.6 and 2015 IFGC 503.10.6.

All gas shut off valves shall be of an approved ball valve type.

All gas connectors shall be of an approved type and length.

Gas water heaters shall be provided with combustion air per 2407 the 2015 IRC.

Tankless Water Heaters (submit the following with permit application for plan review)

Provide the manufacturer's Installation instructions for tankless water heaters.

Provide a detailed gas load calculation showing BTU ratings the appliances served on the gas system to show compliance with 2413.1 of the 2015 IRC.