



TANKLESS WATER HEATER REQUIREMENTS

Neighborhood
Services

Effective: January 30, 2019
Revised: January 12, 2023

Permitting Requirements

A permit is required for the installation or replacement of any water heater. This handout specifically addresses the requirements for the installation of tankless water heaters. On-demand tankless water heaters require substantially more natural gas flow than standard storage tank water heaters. Existing gas line(s) may not be properly sized to provide the required volume of fuel and may require larger gas line(s) to handle the additional demand. As such, the permit application must contain the following information:

- Type of piping material (metallic or polyethylene)
- Pipe size
- Pipe length
- BTU rating of tankless water heater

Venting

Tankless water heaters shall be properly vented per the manufacturer's installation instructions.

Combustion Air

Tankless water heaters shall be provided with combustion air per the manufacturer's installation instructions.

Electrical Connection

Tankless water heaters require a 120 volt electrical connection to operate. The power cord shall be plugged into a grounded three pin electrical outlet within six feet of the water heater. ***Extension cords are not allowed.***

Bonding

Metallic water and gas pipes shall be bonded to prevent shock hazards. A #8 or larger copper wire is required for bonding the gas, and the hot and cold water piping at the water heater.

*****Please complete the information on the back of this form
and submit along with the Building Permit Submittal Form *****



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Address: _____ Permit No.: _____

Type of Structure:

- SFD/Duplex Condo/Apt Commercial

Type of Installation (check all that apply):

- New Install Replacement (same location) Replacement (different location)
 Gas line is being run back to the meter Gas line is being tied into the existing system
****Provide gas line diagram if you are tying into existing system**

Gas Piping Details:

Type of piping material (check one):

- Corrugated Stainless Steel Metallic Polyethylene Plastic

Pipe Size: _____ Length of Pipe Run: _____

BTU Rating of Tankless Water Heater: _____

Electrical Work:

- Plug Into Existing Receptacle New Electrical

- Plug-in must involve a factory installed cord plugged into a receptacle. **No extension cords allowed.**

Combustion Air:

- Dedicated Combustion Air Into Unit (DV) Combustion Air Into Room

- If the tankless water heater unit does not have its own dedicated combustion air supply, please provide information and calculations as to how the requirements for combustion air will be being met.

**** Manufacturer's specifications/installation guide must be on site and available to the inspector for review.**