

## 3 Installation instructions

### 3.1 Mounting the heater

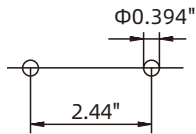
#### Wall mounting



#### NOTICE: Material damages!

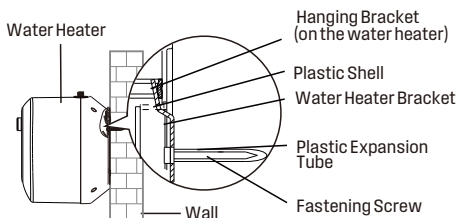
Use screws that are suitable for the wall material and the weight of the heater.

- After the installation position of the water heater is determined, drill two holes with a spacing of 2.44 inch and a diameter of  $\Phi 0.394$  inch in the horizontal direction of the wall according to the size as shown in the following figure, and the hole depth shall not be less than 2.76 inch. Insert two plastic expansion tubes into the hole, and fix the water heater bracket with fastening screws.



Install the wall hole

- Unclench the plastic shell in the back of water heater before hanging it, then align the two hanging holes on the back of the water heater with the two hooks of the water heater bracket and pull down with force to make the hanging holes hang into the hook.



#### CAUTION

The appliance must be hung securely to prevent personal injury and property damage from falling.

#### Floor mounting

- Heater can sit on floor. When the water heater is placed on the floor, additional reinforcement is required

### 3.2 Pipe connections

- Connect the cold water inlet pipe to the inlet tapping (marked with a blue ring).
- Ensure a isolation valve is installed on the cold water supply to the water heater.
- Connect the hot water outlet pipe to the outlet tapping (marked with a red ring).



#### CAUTION

To reduce the risk of excessive pressures and temperatures in this water heater:

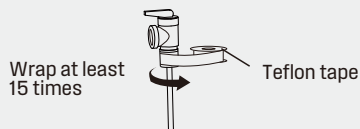
- Install the supplied temperature and pressure protective equipment required by local codes but not less than a combination temperature and pressure relief valve certified by a nationally recognized testing laboratory that maintains periodic inspection of production of listed equipment or materials, as meeting the requirements for Relief Valves and Automatic Gas Shut-off Devices for Hot Water Supply Systems, ANSI Z21.22.

The supplied temperature and pressure relief valve is marked with a maximum set pressure (150 psi) that does not exceed the marked maximum working pressure of the water heater.

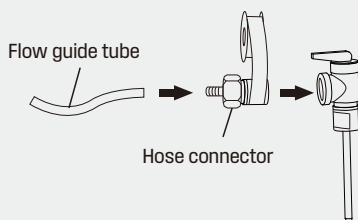
- Install the valve in the opening provided and marked for this purpose in the water heater.
- Orient it or provide tubing so that any discharge from the valve will exit within 6 inches above, or at any distance below, the structural floor, and cannot contact any live electrical part. The discharge opening must not be blocked or reduced in size under any circumstances.

**NOTICE**

Wrap the Teflon tape around the threaded opening of the pressure relief valve at least 15 times (approximately 1.2 meters in length) in order to prevent water leakage.

**NOTICE**

Wrap at least 8 turns (approximately 25.2 inches (65 cm)) of Teflon tape around the threaded opening of the hose connector.



### 3.3 Closed system thermal expansion

Periodic discharge of the temperature and pressure relief valve or failure of the element gasket may be due to thermal expansion in a closed water supply system. The water utility supply meter may contain a check valve, backflow preventer or water pressure reducing valve which will create a closed water system.

During the heating cycle of the water heater, the water expands causing pressure inside the water heater to increase.

The temperature and pressure relief valve may discharge hot water under these conditions which results in a loss of energy and a build-up of lime on the relief valve seat.

To prevent this from happening, there are two recommendations:

- Install a diaphragm-type expansion tank that is suitable for potable water on the cold water supply line. A minimum 0.5 gallon expansion tank should be used.

Contact the local water supplier or plumbing inspector for information on how to control this situation. Do not plug the temperature and pressure relief valve.

National Plumbing codes may require a drain pan for the water heater installation. Failure to install one is the sole responsibility of owner and/or installer. Reference UPC (Uniform Plumbing Code), or IPC (International Plumbing Code).