

# Electric Water Heaters



Advice when you want it.  
Help when you need it.

## Warmth, comfort and reliability for your home.

It wasn't that long ago that hot water was a luxury not everyone could afford. Fortunately, thanks to reliable, affordable electric power, hot water is something most people take for granted.

Were you aware that heating water is the second biggest use of energy in the average home? That's why it's so important to choose a water heater that gives you the greatest value for your energy dollar. Thanks to technology, electric water heaters offer far better efficiency than gas water heaters.

### Warmth Without Combustion

Unlike gas models, electric water heaters do not use combustion to heat water. That means they do not produce harmful gases such as carbon monoxide, so they don't need to be vented. You also don't have to worry about keeping a pilot light lit.

### Affordable and Flexible

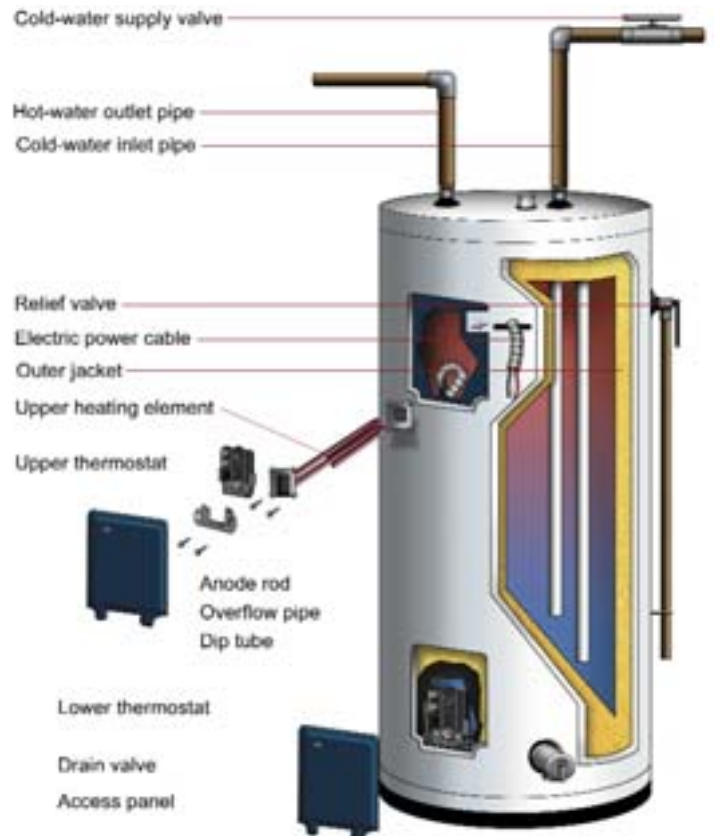
Because there is no need to vent combustion gases, it usually costs less to install an electric water heater. In addition, that gives homeowners more flexibility in choosing where to install the water heater. Installing it close to where it will be used makes it an even more efficient choice.

### Designed for Efficiency

Electric water heaters typically use two heating elements to heat water efficiently. The upper element keeps water near the top of tank at the desired temperature, while the lower element turns on when hot water is being drawn out and the tank is being refilled. That way, the water heater always receives just the right amount of heat. Plus, because both elements are in the water, all of the heat energy goes directly into the water. Compare that to gas water heaters that use an uninsulated flue that's expected to both heat the tank and vent combustion gases (which can waste heat).

### The Right Size

Electric water heaters are available in a variety of sizes, so select the model that best meets your home's needs and your family's water consumption. According to the Edison Electric Institute, homes with one to four occupants need up to 50 gallons of capacity, and those with four to seven occupants should consider a heater with up to 80 gallons. Look for the water heater that has the highest energy factor (EF), which measures how quickly it heats the water and how little energy it loses. Most electric water heaters offer an EF of between 0.81 and 0.95.



Because warm water rises, hot water is drawn from the top of the tank, and cold water is replenished at the bottom. Heating elements connected to a thermostat keep the temperature of the water at the desired level.

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