

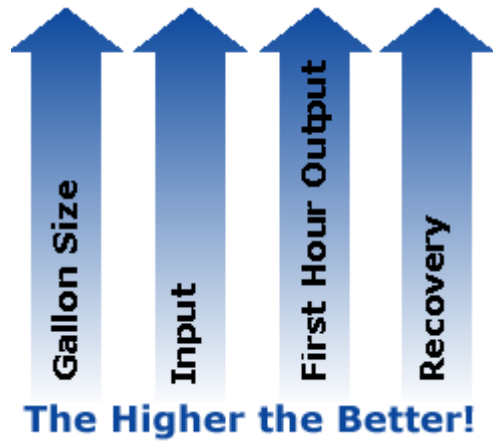


**Why Reliance**

**What Makes One Reliance Water Heater A Better Value Than Another?**

**More Hot Water!**

Check Gallon Size, Input, Recovery and First Hour Output. As these numbers increase, you get what you need most: more reliable hot water!



**A Self-Cleaning Water Heater Automatically Saves Money, and More!**

Reliance self-cleaning 12-Year and 9-Year warranty water heaters are equipped to automatically reduce sediment buildup. Buildup of lime and other sediments in the tank is very bad for a water heater. Here's why a Reliance self-cleaning water heater is good for your family!

**In a water heater that is NOT self-cleaning:**

Deposits of lime and other sediments create a rock-hard layer in the bottom of the tank, and build up on electric heating elements!

Sediment eats away at the tank's protective inner lining and welds. Rust soon forms, and it's just a matter of time before a leak starts!

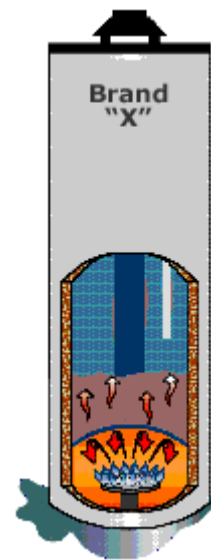
**BAD: The tank "gets smaller."**

As sediment builds up, there's less room to store hot water!

**BAD: High-priced hot water!**

Sediment buildup coats the electric heating elements and collects in the bottom of the tank, blocking effective heat transfer. The heating elements or the burner in a gas fired water heater has to work harder and longer, and water heating costs get higher every day!

**WORST: A premature leaker.**



**In Reliance Self-Cleaning Water Heater:**

Automatic self-cleaning turbulence keeps sediment moving, so it doesn't build up.

Reliance self-cleaning water heaters are energy-efficient and stay that way, so sediment buildup won't send your water heating costs through the roof!

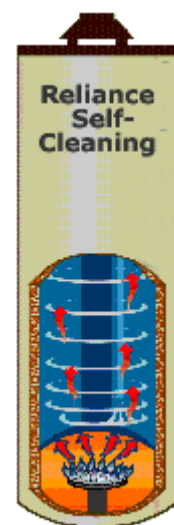
**BETTER: A full tank of hot water!**

Sediment won't take up space in self-cleaning, so you can always count on a full tank.

**BETTER: Self-Cleaning helps keep leaks from starting!**

That's why Reliance offers self-cleaning water heaters with 12-year or 9-year tank warranties!

**BEST: LOW-COST HOT WATER**



**Use the Reliance Product Selector Tool to Find the Right Water Heater for You!**

Which **Water Heater** is right for **YOU?**

Answer a few questions about your hot water needs, and we'll show you personalized recommendations for the water heater that's best for you.

How long is a typical shower in your house?

How many showers would your household like to take back-to-back?

What size is your largest bathtub?

## How to Choose a Tankless Water Heater

### Things to Consider Before Purchasing a Tankless Water Heater

Tankless water heaters have special installation requirements.

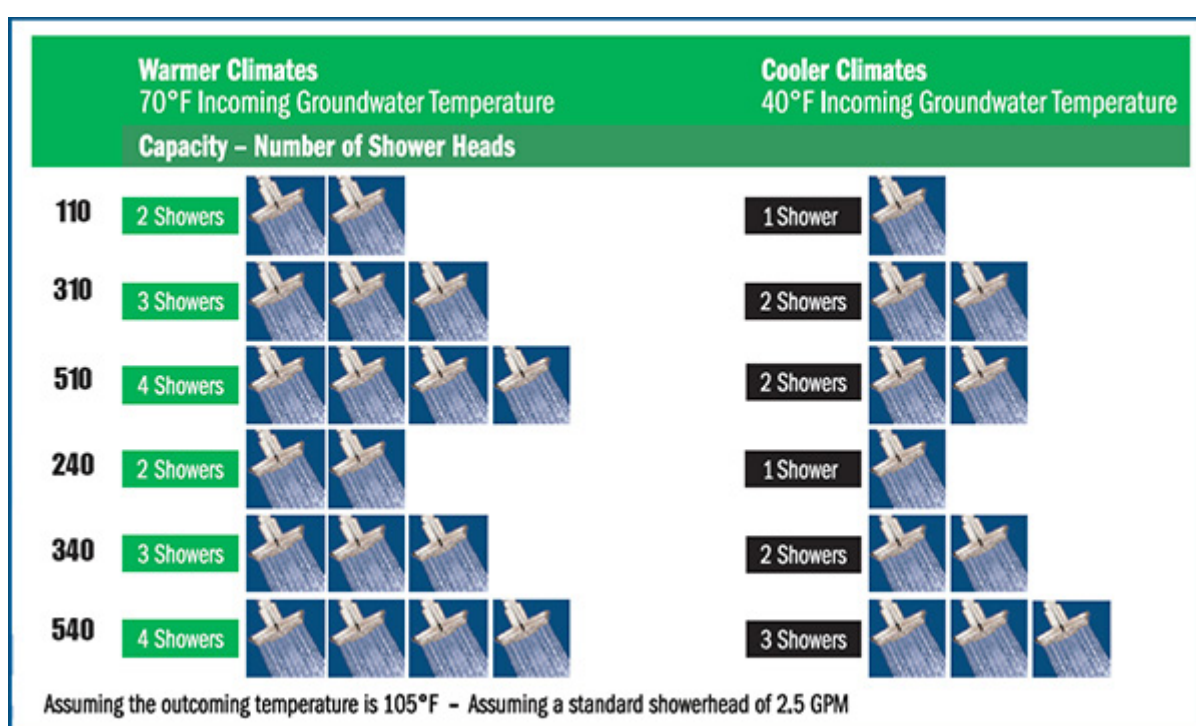
1. **Gas Supply** - A 3/4" or larger gas supply pipe is required.
2. **Venting** - Some indoor models require Category III stainless steel venting purchased separately.
3. **Gas Meter and/or Regulator** - Must have enough capacity to supply all gas appliances in the home.
4. **Isolation Valves** - Make required periodic maintenance easier.

Reliance has many other high efficiency water heating options available. One of these may be a better choice for your application.



### Peak Hot Water Demand

The next step is to determine how much hot water will be required during the busiest usage period ("peak demand"). To use the chart, consider all appliances and fixtures that use hot water, including lavatory faucets, kitchen faucets, washing machines, dishwashers, showers, and bathtubs. Be sure to determine how many appliances and fixtures will be used at the same time ("peak demand").



## Reliance® Tankless Gas Water Heaters

### Continuous Hot Water.\* Continuous Innovation.

Trust "Your Neighborhood Water Heater Source" to give you more choices in tankless water heating. The comprehensive line of Reliance tankless gas water heaters supplies endless hot water at preset temperatures. All models Condensing models are **ENERGY STAR®** qualified.

With higher efficiency ratings and groundbreaking designs, our new tankless products are part of a new era in water heating.

[Check out the entire line of Reliance Tankless Models](#)

\*Reliance tankless water heaters provide continuous hot water when sized appropriately for your home's needs.

## Quick Tips

### SELECTION & MAINTENANCE TIPS

#### How a Water Heater Works

Gas water heaters and electric water heaters are very similar. Electric models use two heating elements, while gas models have a gas burner at the bottom with the vent pipe running up through the middle of the tank.

#### A water heater contains these parts:

- Glass lined steel tank that holds the hot water
- "Environmentally Friendly" Insulation surrounding the tank
- Dip tube to let cold water into the tank
- Thermostat to control the temperature of the water inside the tank
- Heating elements or gas burner
- Drain valve that allows you to drain the tank to replace the elements or move the tank
- Temperature & Pressure relief valve
- Anode rod(s) to help keep the tank from corroding

#### Measuring Efficiency

The best way to determine a water heater's efficiency is its Energy Factor (EF), which is based on recovery efficiency (how efficiently heat passes from the energy source to the water) and other heat-loss factors. The higher the EF, the more efficient the water heater. Electric water heaters generally have higher EF ratings than gas models.

#### How To Flush & Drain Your Water Heater

- Turn the water heater off. If you have an electric water heater, turn the power off at the circuit breaker panel. If you have a gas water heater, turn the switch to pilot so that heat is off but the pilot remains lit.
- Shut off the cold water intake valve. This is usually located on top of the water heater.
- Open a hot water faucet in your home to vent the system and allow the tank to drain quicker.
- Connect a garden hose to the drain valve near the bottom of the water heater tank. Run the hose outside, open the valve and begin draining the tank.
- The tank will drain about a gallon per minute. After it drains for a while, fill a glass with water from the tank to check the sediment level.
- After draining the tank, flush out the remaining dirt and debris. Close the hot water faucet that's been running. Go back to the garage and turn on the supply valve in the water heater. Let the water run about 5 minutes and flush the tank through the garden hose.
- Close the drain valve on the bottom of the tank and disconnect the hose. Once the tank fills up with water, turn the power or gas back on.



### How To Speak “Hot Water”

You'll make a smarter choice if you understand these water heating terms:

#### Limited Warranty

The "Limited Warranty" on the tank and parts is the number of years after installation that Reliance will replace the water heater at no charge if the tank leaks, or replace component parts if they malfunction. Both tank and parts warranty apply if failure is due to manufacturing defect. Complete details on Reliance Water Heater Warranties are included with the water heater, or are available from the Reliance Customer Assistance Center. Reliance has a variety of basic warranty choices...

- 12-Year Tank and Parts Warranty.
- 9-Year Tank and Parts Warranty.
- 6-Year Tank and Parts Warranty.

#### Rated Storage Volume

How much water does the tank store? Enough storage is vital to ensure abundant hot water during the first hour of peak demand.

#### Input

The amount of gas or electricity used per hour to heat water in the tank. Input is expressed in BTUs (British Thermal Units) for gas water heaters, and watts for electric water heaters. Higher input means the water heater can heat more water faster when needed.

#### Recovery (at 90° Rise)

Converts Btu or watt input into gallons heated in one hour (GPH). For example, a 40,000 Btu gas water heater recovers, or heats, 41 gallons in one hour. 90° Rise means water temperature was increased by 90°F.

#### First Hour Output

Also called "First Hour Rating," this "peak demand" figure estimates how much hot water the water heater will deliver during the first hour after you start using hot water. First Hour Output combines the heater's storage capacity with its recovery capability during one hour of operation.

#### Flammable Vapor Ignition Resistant (FVIR) Water Heater

FVIR water heaters are designed to prevent the ignition of flammable vapors outside of the water heater. Flammable vapors may be present because a flammable material, such as gasoline, is improperly handled and stored in the vicinity of the water heater. Because water heaters need air to operate, they can potentially pull in nearby flammable vapors that are improperly released. FVIR water heaters are designed to contain the ignition of flammable vapors that are drawn into the combustion chamber and prevent ignition outside of the water heater.

Remember, gasoline should never be used or stored indoors, should always be stored in sealed approved containers, and should only be used as a motor fuel!



## Reliance 12 Year Electric Water Heaters

### Reliance® 12 Year Electric Water Heater w/Touch Screen and Leak Detection

**EASILY SET TEMPERATURE, OPERATING MODE AND VIEW STATUS WITH TOUCH-BUTTON DISPLAY.**

- 12-year limited tank & parts warranty, 1-year limited labor warranty
- Touch Screen Electronic User Interface lets you easily set temperature, operating mode (Energy Saver, Vacation, or Standard) and safety lock feature
- **Leak Detection Sensor** - Sounds an audible alarm when water is detected.
- Premium 5500 Watt Incoloy Heating Elements are more efficient and last longer than conventional elements, with higher recovery
- Electronic Thermostat is superior to conventional electromechanical thermostats, no mechanical parts to wear out
- Diagnostic Feedback Via User Interface Diagnostic codes displayed on LCD screen
- Dry Fire Protection doesn't allow the water heater to be turned on unless the tank is full of water

