

Rinnai
TANKLESS WATER HEATERS

endless

comfort and performance



TANKLESS WATER HEATING SOLUTIONS FOR THE HOME

endless

supply of hot water and savings



The smart choice is the #1 choice

You can be confident in choosing to install Rinnai tankless technology in your home. Our commitment to quality has made us the #1 selling tankless water heating brand in North America. Your family deserves nothing less.

Having hot water whenever your family needs it shouldn't be a luxury

Put worrying about hot water out of your mind, because now your family can enjoy an endless supply of hot water. And you can enjoy it anywhere in your home. Two showers running at once? Not a problem. Laundry and dishes at the same time? Great idea. Thanks to our innovative technology, your family's comfort and convenience come first.



ABOUT THE SIZE OF A SMALL SUITCASE

More space for you

Only the size of a small suitcase, our wall-mounted models can be installed in compact spaces in both indoor and outdoor locations. **They take up less space for heating, giving you back more space for living.**

Family-friendly, earth-friendly



Rinnai Tankless Water Heaters let us all live greener and cleaner. Our efficient and compact technology helps conserve natural resources, including water, while producing less waste in landfills. And with higher standards for lower CO₂ emissions, your family can breathe easier, too.

Save on energy while boosting your home's value



Welcome to ultimate efficiency. With technology that operates only when hot water is needed, super-efficient heating coils, no pilot light and no storage tank to heat and reheat water, you save on energy and utility costs. **In fact, Rinnai Tankless Water Heaters use up to 40 percent less energy* than a traditional tank water heater.** Plus, with premium technology, increased energy efficiency, an improved Home Energy Rating System (HERS) Index Score and optimized LEED eligibility, our tankless solutions can increase your home's value. You can even qualify for energy efficiency rebates and tax credits. **It's a smart investment for now and the future.**

*As based on the average cost to run an electric tank water heater per the Department of Energy (DOE) Average Energy Costs (doe.gov) 2017



TABLE OF CONTENTS

HOW IT WORKS 2

ON-DEMAND TECHNOLOGY 4

INNOVATION 6

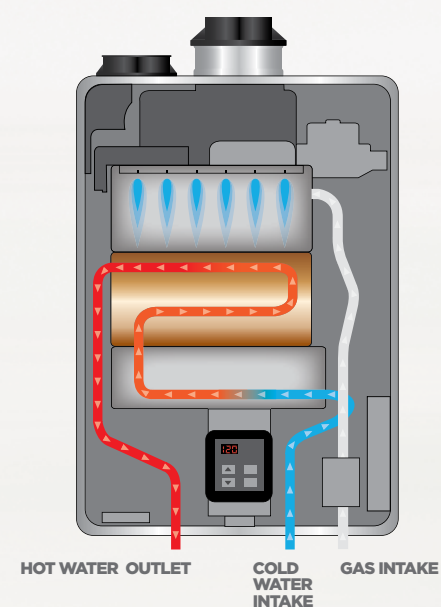
REFERENCE GUIDE 8

Tankless vs. Tank

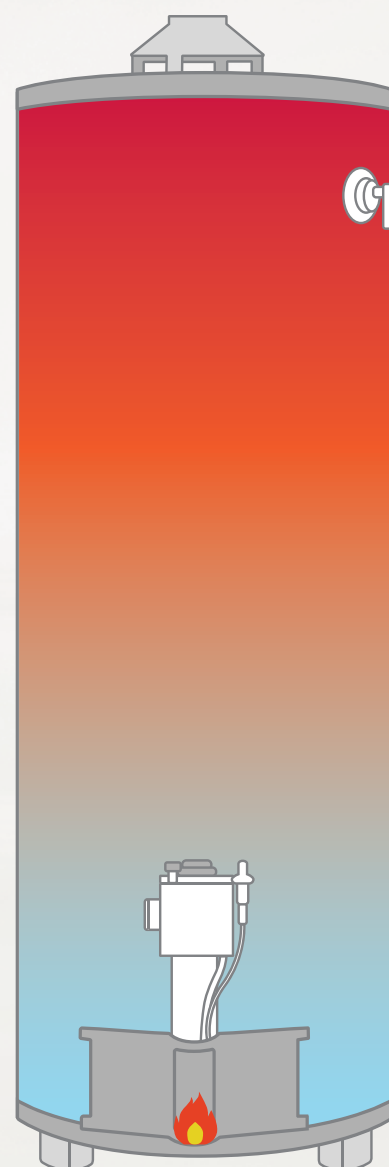
If you grew up in a home with lots of people taking showers and running appliances, you've probably experienced what it feels like when that big tank runs out of water. Not too fun, is it? So how can this box, about the size of a suitcase, mounted to your wall keep your showers hot and your tubs full?

SUPER-HIGH-EFFICIENCY TANKLESS

- Cold water enters inlet pipe only when hot water is required
- Gas ignites heat exchangers, which heat the water
- Heated water exits hot water outlet to travel through pipes to where it is needed
- Heater will adjust flame output as needed to ensure a temperature set point is maintained
- When no more hot water is required, system shuts off until hot water is needed again



Rinnai's line of digital controllers allows you to set water temperature precisely for multiple locations in your home.



STANDARD TANK

- Large tank requires more installation space and management
- Water in tank is heated and reheated to maintain desired set temperature regardless of usage or demand
- During times of heavy use, water can be depleted, causing delays in hot water supply
- Product lifespan of a tankless unit is twice as long as that of a traditional tank*

*Based on DOE ENERGY STAR® lifecycle estimates

A closer look at the comparison

Seriously. When you consider the space savings, eco-efficiency and endless supply of hot water that come with tankless technology, there is no comparison. But when you look at the cost savings over the long run, well, it just keeps getting better. More comfort for less money? Talk about a no-brainer.

WATER HEATER OPERATING COST COMPARISON

TANK TECHNOLOGY	FUEL TYPE/ENERGY SOURCE	UEF (UNIFORM ENERGY FACTOR)	ANNUAL OPERATING COSTS*
STANDARD 50-GALLON GAS STORAGE TANK	NATURAL GAS	0.60	\$309
STANDARD 50-GALLON GAS STORAGE TANK	PROPANE	0.60	\$745
STANDARD 50-GALLON ELECTRIC STORAGE TANK	ELECTRICITY	0.95	\$626
TANKLESS TECHNOLOGY	FUEL TYPE/ENERGY SOURCE	UEF (UNIFORM ENERGY FACTOR)	ANNUAL OPERATING COSTS*
HIGH-EFFICIENCY NON-CONDENSING TANKLESS	NATURAL GAS	0.81	\$228
HIGH-EFFICIENCY NON-CONDENSING TANKLESS	PROPANE	0.81	\$552
SUPER-HIGH-EFFICIENCY CONDENSING TANKLESS	NATURAL GAS	0.92	\$201
SUPER-HIGH-EFFICIENCY CONDENSING TANKLESS	PROPANE	0.92	\$487

*As based on the average cost to run an electric tank water heater per the Department of Energy (DOE) Average Energy Costs (doe.gov) 2017

To learn more visit rinnai.us.

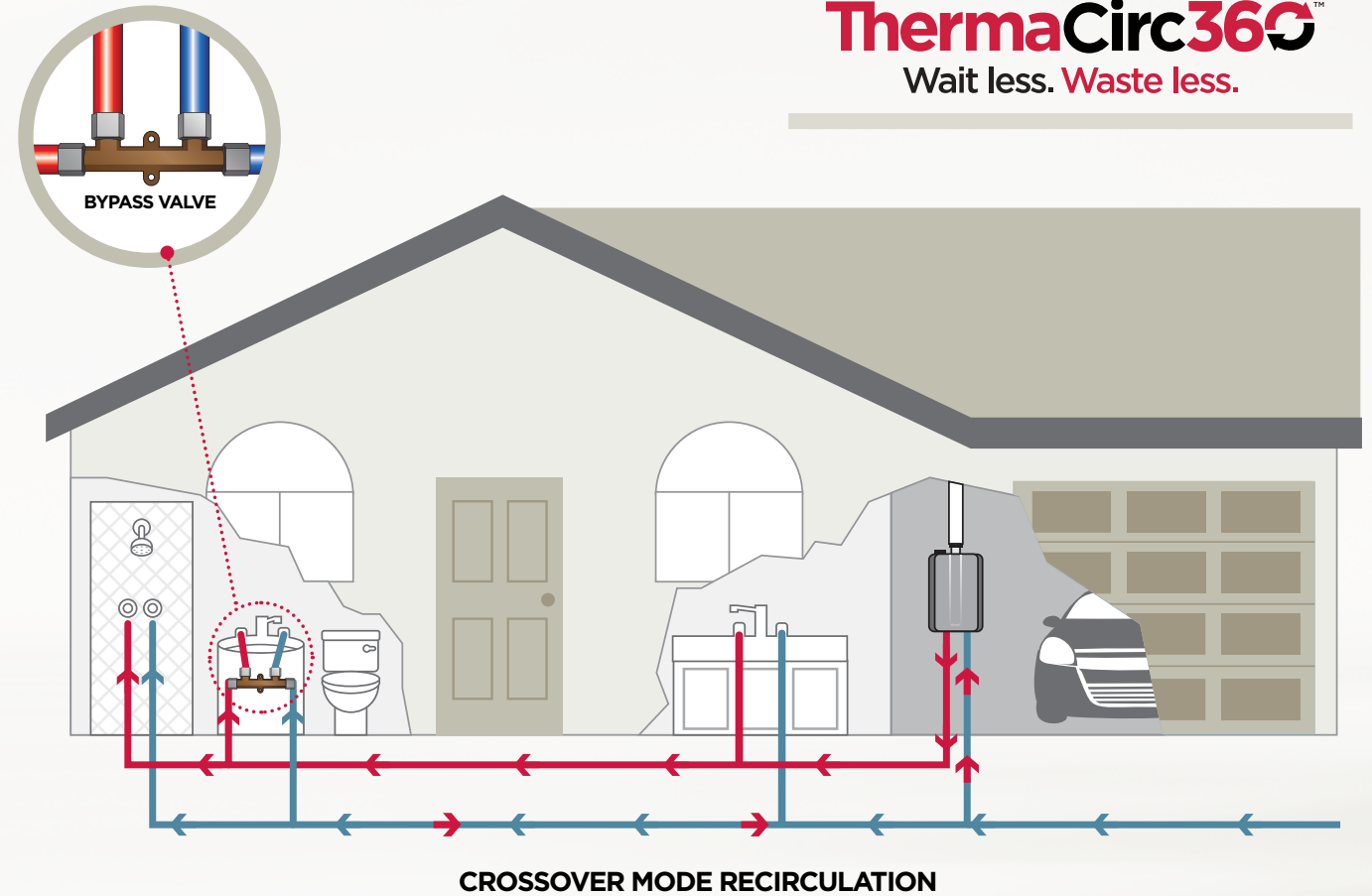
endless
and faster

The solution is **recirculation**

No more waiting for hot water. Rinnai can provide you with faster hot water wherever and whenever you need it. It does this by recirculating the water through your plumbing system, so it's always available in whatever part of the house you may need it. The best part is, Rinnai can offer this solution regardless of your current plumbing configuration.

Here's how it works

ThermaCirc360™
Wait less. Waste less.



Regardless of whether your existing plumbing system has a dedicated return line, you can enjoy faster hot water through recirculation.

With a dedicated return line, the integrated pump simply recirculates water from the tankless water heater through the line and back to the heater. If your home does not have a dedicated return line, Rinnai's SE+ Series featuring ThermaCirc360™ can offer faster hot water without the expense of adding an additional line. This technology allows for the simple installation of a thermal

bypass valve at the fixture farthest away from your water heater. Once installed properly, the unit temporarily uses your cold water line for recirculation. Now you can have your hot water faster, when you need it. Rinnai offers the option for you to either set your recirculation schedules according to high-demand times or for you to utilize on-demand recirculation through the use of push buttons and motion sensors.

endless innovation

Hot water on your schedule

Ready for hot water? So is your system. Many Rinnai tankless models come standard with recirculation technology, a built-in feature that lets you activate recirculation during times of high hot water demand. Hot water is immediately available when you need it, without the expense of circulating it during times of inactivity.

Push button and motion sensor ability

You can activate recirculation with push button technology or with motion sensors that detect when family members are present. Both connect to your system wirelessly to trigger recirculation only when you need it.



PUSH BUTTON



MOTION SENSOR



Now you're in control

Control-R™

Connect for **smarter** hot water.

Wi-Fi technology

Available as an added feature, the Rinnai Control-R™ wireless module and mobile app for Rinnai Tankless Water Heaters take control and flexibility to a new level. Now you can control your hot water from anywhere in the home.



CONTROL-R™ MODULE ATTACHES EASILY TO THE RINNAI TANKLESS WATER HEATER.

With Wi-Fi connectivity, new and existing Rinnai Residential and Commercial Tankless Water Heaters (2006 and newer) can be remotely monitored and controlled via smart devices.



CONTROL AND MONITORING

- Adjust temperature
- Register product via QR code or serial number



REMOTE DIAGNOSTICS AND MAINTENANCE

- Select a monitoring dealer
- Receive automatic maintenance alerts
- Enable monitoring dealer to manage system performance and provide faster service



ACCESSIBILITY AND CONVENIENCE

- Mobile on-demand recirculation
- Activate recirculation (if you have a recirculation system)

TANKLESS WATER HEATER SERIES REFERENCE GUIDE

HIGH-EFFICIENCY (NON-CONDENSING TECHNOLOGY)

SUPER-HIGH-EFFICIENCY (CONDENSING TECHNOLOGY)

HE Series

HE+ Series

SE Series

SE+ Series



(V MODELS)

(RL MODELS)

(RUCS/RUS MODELS)

(RUC/RU MODELS)

(RUR MODELS)

UNIFORM ENERGY FACTOR

0.81

0.81

0.90

0.90

0.92

WI-FI READY



AVAILABLE IN NATURAL GAS OR PROPANE



INDOOR AND OUTDOOR VERSIONS AVAILABLE



RECIRCULATION SOLUTION MADE POSSIBLE WITH CIRC-LOGIC™ TECHNOLOGY



ISOLATION VALVES



THERMACIRC360™ — (RECIRC WITH OR WITHOUT DEDICATED LINE)



100 years of smart comfort

For nearly 100 years, Rinnai has been fiercely committed to giving you a smarter kind of comfort. With headquarters in Japan and a network of 20 subsidiaries and 86 sales offices in 13 countries, this commitment has made us one of the world's largest gas appliance manufacturers. Our value-added products continue to stay in step with the demands of our changing world.



The highest standards of quality

- Rinnai employs 600 research and development engineers, all focused on uncompromising quality in design and manufacturing
- Advanced automation and precision assembly processes have made our manufacturing facilities an industry model for efficiency
- Every product undergoes a series of live testing before shipping
- Rinnai America is one of the few tankless water heater providers with its own state-of-the-art Canadian Standards Association (CSA) Certified Testing Laboratory, including CSA accredited lab technicians
- All our products have been approved by the CSA and adhere to the strict standards of the American National Standards Institute (ANSI)

Learn more about Rinnai high-performance Tankless Water Heaters, Hybrid Water Heating Systems, Boilers, Vent-Free Fan Convectors and EnergySaver® Direct Vent Wall Furnaces at:

rinnai.us | rinnai.ca

Rinnai
TANKLESS WATER HEATERS

Rinnai America Corporation • 103 International Drive, Peachtree City, GA 30269
1-800-621-9419 • rinnai.us

©2017 Rinnai America Corporation. Rinnai America Corporation continually updates materials, and as such, content is subject to change without notice. Local, state, provincial, federal and national fuel gas codes must be adhered to prior to and upon installation.