A Comprehensive Array Of Models

DELIVERING AN ENDLESS SUPPLY OF HOT WATER.

COMPREHENSIVE WATER HEATING

Rinnai®

Why Rinnai?

A TRADITION OF TRUE RELIABILITY.

For nearly 100 years, we at Rinnai have been fiercely committed to delivering nothing less than our absolute best. Through ***TEAMWORK, TECHNOLOGY AND INNOVATION,*** we've become one of the world's largest gas appliance manufacturers, specializing in high-efficiency residential and commercial ***TANKLESS WATER HEATERS*** and ***HOME HEATING SOLUTIONS.*** With headquarters in Japan and a network of 20 subsidiaries and 86 sales offices in 13 countries, Rinnai's presence and influence have a global impact.

With a pioneering history of creating value-added products in step with the demands of a changing world, Rinnai employs more than 600 research and development engineers. Their talent and vision is supported by an uncompromised focus on quality in design and manufacturing. Advanced automation and precision assembly processes make Rinnai's manufacturing facilities an industry model for efficiency, and extensive inspection and testing protocols dictate that every product undergo a series of live fire testing before being shipped.

Throughout the world, our standards for quality remain unsurpassed. All Rinnai factories are ISO 9001 and/or ISO 14001 certified.

Established in 1974, our U.S. and Canadian operations continue to expand with employees engaged in sales, marketing, customer service, application engineering, technical support and more. In 2001, we opened our Peachtree City, Georgia office. Today this facility is a state-of-the-art distribution, research and training center. What's more, Rinnai America is one of the few tankless water heater manufacturers with its own state-of-the-art CSA Certified Testing Laboratory, including CSA accredited lab technicians. All our products have been approved by the Canada Standards Association (CSA) and adhere to the strict standards of the American National Standards Institute (ANSI).

For Rinnai, reliability is a commitment to excellence that's built into every product we make. The result is nothing less than the world's most efficient, longest-lasting tankless water heaters and home heating solutions.

A Track Record of Performance

From the beginning, Rinnai America has continued a tradition of creating solutions that enhance the way people live. That tradition has grown even stronger today.

Thanks to superior design and engineering, Rinnai residential and commercial water heating and home heating solutions continually raise the standard in comfort, convenience and reliability. In fact, our commitment to building in quality at every level has made Rinnai Tankless Water Heaters the #1 selling tankless water heating brand in the U.S. and Canada.

Beyond manufacturing the highest quality tankless water heaters and home heating products, our people stand behind all that we make, before, during and long after installation. From 24/7/365 technical support for professionals, to our national network of independent installers, to on-staff engineers who can assist with choosing the right products and sizes—we're inspiring confidence right along with the comfort our solutions provide.

ENHANCING YOUR COMFORT EVERYWHERE

Rinnai water heating and heating products are dedicated to a smarter kind of comfort.

With our precisely engineered tankless water heaters, you can count on Rinnai to deliver an endless supply of hot water whenever you need it – even for multiple tasks at the same time. Plus, they feature space-saving design and ultra-efficient performance for energy savings.

Efficiency and versatility have made Rinnai Tankless Water Heaters a hit with commercial applications, giving restaurants, hotels, schools, multifamily residences and others the reliable performance they need to meet demands and reduce operating costs.

Our RH180 Hybrid Tank-Tankless Water Heater utilizes the same on-demand tankless technology with an efficient storage tank to deliver more hot water with less recovery time than a traditional tank water heater– all in a quick and easy installation.

That same dedication to creating solutions that enhance the way people live is reflected in our heating products. From the efficiency of our Condensing Boilers to the big comfort, small-space warmth of our Vent-Free Fan Convectors and Energy-Saver® Direct Vent Wall Furnaces, cost-effective heat is here. Whether seeking whole-house comfort, a supplemental heating solution for nearly any room, or a single, energy-efficient source for home and water heating, we've developed the innovative products that open up a world of pleasant possibilities.

ENDURING QUALITY, LASTING PEACE OF MIND

No one can predict the future, but the past is a good gauge of things to come. Rinnai's 100 years of superior engineering, innovation and quality inspire peace of mind that our products will stand the test of time.

Enhancing the COMFORTS OF HOME.

With either Rinnai Tankless Water Heaters or the RH180 Hybrid Tank-Tankless Water Heater, homeowners can now have more hot water than they ever thought possible.

The innovation behind our high-efficiency water heaters provides an endless supply of hot water wherever and whenever it's needed – even for multiple tasks at the same time. Showers and baths? Laundry and dishes? On-demand heating means hot water is always available, so prioritizing activities and scheduling water use is no longer necessary.

Because they operate on an as-needed basis, Rinnai Tankless Water Heaters can use up to 40 percent* less energy than traditional systems, which helps reduce utility costs. This efficient operation can also contribute to a favorable HERS rating and optimize LEED certification.

On top of efficiency, our tankless water heaters feature a copper heat exchanger for unparalleled quality, durability and safety. And their compact design offers substantial space savings in the home.

The RH180 Hybrid Tank-Tankless Water Heater harnesses the same on-demand tankless technology coupled with an efficient storage tank to deliver more hot water with less recovery time than a traditional tank. And professionals enjoy time and labor savings with quick and easy installation using standard tank connections.

The flexibility and convenience of endless hot water. The reliability of proven engineering. It's everything homeowners need to feel comfortable.

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

Only from Rinnai.

Commercial Solutions – where the demands are greatest,

RINNAI DELIVERS.

Leveraging decades of global commercial water heating experience, Rinnai Tankless Water Heaters deliver performance and reliability. Precision engineering and commercial-grade features allow Rinnai Tankless Water Heaters to produce an endless supply of hot water to suit even the most demanding applications—from restaurants to hotels to multifamily residences to schools and more—conserving energy that can save thousands of dollars in capital, operational and life cycle costs, while providing redundancy and saving space. But it's not just performance that sets us apart. Our commitment to safety, quality and support has made us the #1 selling tankless brand in the U.S. and Canada.

From products to service and everything in-between, our dedication to delivering our absolute best never wavers.

For A Free Sizing Consultation, Call Our Application Engineers At 800-621-9419.

Rinnai

Rinnai Tankless Solutions Give You

Tankless technology that saves you time.

Never think about your hot water needs again: Innovative technology provides an endless supply of hot water whenever and wherever it's needed – even for simultaneous uses at multiple fixtures. Showers and baths? Absolutely. Laundry and dishes? No problem. Prioritizing activities and scheduling hot water use is a thing of the past.

Save money, splurge on performance.

Designed for efficiency: Rinnai's tankless technology features copper heat exchangers to provide maximum efficiency and uses up to 40 percent less energy* than a traditional tank.

Save energy: By operating only when hot water is needed, and no storage tank to heat and reheat water, our tankless technology helps save on energy and utility costs. The use of an electronic ignition means no standing pilot light that constantly uses energy.

A smart investment: Increase your home's value with premium technology, increased energy efficiency, an improved Home Energy Rating System (HERS) Index Score and optimized LEED certification. Available energy efficiency rebates and tax credits offer the opportunity to help make your purchases more affordable.

Multiple sizes: Rinnai gives you options to right-size your installation and customize your efficiency.

Replace parts, not systems: Every part of a Rinnai Tankless Water Heater is replaceable. Components can be easily exchanged, if needed, versus replacing the entire system.

Save space with a compact design.

Maximum output, minimum space: About the size of a small suitcase at 18.5" x 26" x 10" or smaller, these wall-mounted models can be installed on interior or exterior walls and in compact spaces to free up valuable space.

Flexible installation: Small size allows for installation in non-traditional spaces such as crawl spaces and attics, making it perfect for use in any size home, including manufactured and modular homes.

Stay green with a sustainable choice.

Earth-friendly efficiency: Our tankless technology achieves maximum energy efficiency, helping to conserve natural resources.

Less waste: Compact heat exchanger design, longer product lifespan up to twice as long as a traditional tank** and recyclable parts means less waste in landfills.

High standards for low emissions: Lower CO_2 emissions contribute to cleaner air and a healthier environment.

* As based on the average cost to run an electric tank water heater per the DOE Average Energy Costs (www.doe.gov).
** Based on DOE ENERGY STAR® lifecycle estimates.

THE POWER TO LIVE BETTER.

CONDENSING TECHNOLOGY

Ultra Series

THE ULTIMATE IN EFFICIENCY.

Delivering our most energy-efficient performance, the Ultra Series features a condensing design with two heat exchangers to maximize heating value to enhance reliability and durability and reduce maintenance.

UNIQUE FEATURES OF ULTRA SERIES

- Energy Factor of up to .96
- ENERGY STAR® qualified
- Available in five sizes:130,000, 152,000, 160,000, 180,000 and 199,000 BTU
- Allows for either Concentric Polypropylene or dual-pipe PVC/CPVC venting, providing the most venting flexibility in a single application of any manufacturer
- Faster hot water provided by integrated recirculation pump and internal bypass line (RUR models) with or without a dedicated return line
- Easy maintenance is achieved with included isolation valves

NON-CONDENSING TECHNOLOGY

Luxury Series

AWARD-WINNING PERFORMANCE.

The Luxury Series offers the highest output of our non-condensing line of tankless models with a sleek, modern design and a range of standard features and benefits to fully satisfy the demands of larger homes and light commercial applications.

UNIQUE FEATURES OF LUXURY SERIES

- Energy Factor of up to .82
- Available in three sizes: 180,000, 192,000 and 199,000 BTU
- Recirculation: Circ-Logic provides optimal operation of an external recirculation pump utilizing a dedicated recirculation line
- Easy maintenance is achieved with included isolation valves

Value Series

CONFIDENCE MEETS AFFORDABILITY.

The Value Series is the perfect combination of comfort and value. These easy-to-install, compact models combine all the reliability you'd expect from Rinnai with performance that's ideal for medium- to smaller-sized new homes or remodels.

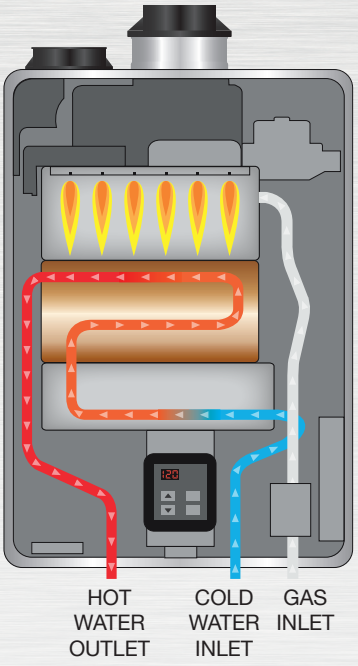
UNIQUE FEATURES OF VALUE SERIES

- Energy Factor of up to .82
- Available in three sizes: 120,000, 150,000, and 180,000 BTU
- A practical alternative water heating choice for homes with smaller demands

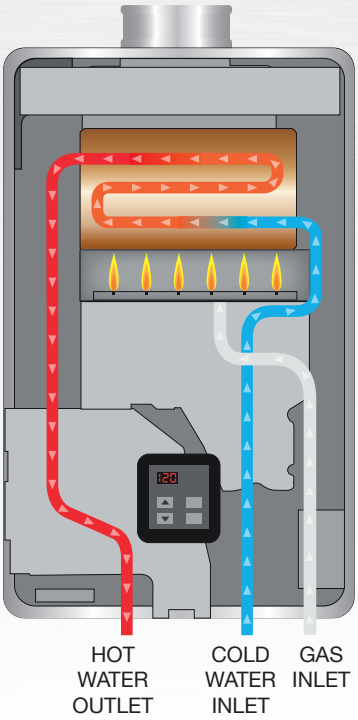
RINNAI TANKLESS WATER

How a Rinnai Tankless Water Heater Works

CONDENSING RUC



NON-CONDENSING



- When the need for hot water arises by turning on a shower, washing machine, dishwasher or faucet, cold water enters the Rinnai Tankless Water Heater from the inlet pipe at the bottom of the model. The PC board is then signaled to activate the flame igniter or ignition.
- A combustion fan turns on to allow oxygen into the burner to ignite the flame as the gas control valve opens at a low frequency. Once an adequate flame is present the igniter stops sparking — beginning the next sequence of operation in a matter of seconds.
- Water is heated as it passes through the coils of the copper heat exchanger, and exits from the hot water outlet pipe to travel through the pipes of the home or business to the water fixture where hot water is needed. For Condensing models, the water is preheated as it passes through a secondary stainless steel (latent) heat exchanger, capturing any extra heat (or latent heat) before it escapes into the vent system.
- The gas valve and blower automatically adjust the incoming gas and oxygen to meet the water heating demands. If the demand is small, the Rinnai Tankless Water Heater can use a smaller flame and less gas. If the demand is greater, the flame can expand across the width of the entire burner to heat more water. The tankless water heater adjusts as needed to ensure the temperature set point is maintained. A digital controller allows the user to choose the desired temperature.
- As the hot water fixture shuts off, cold water stops entering the tankless water heater and the flame diminishes. The combustion fan continues to operate at a low speed for a short period of time. This allows the exhaust of any leftover combustion gases in the system.

HEATER OPERATION

Tank vs. Tankless Annual Operating Costs*

Water Heater Technology	Fuel Type/ Energy Source	EF (Energy Factor)	Annual Operating Costs*
Standard 50-Gallon Gas Storage Tank	Natural Gas	0.60	$273
Standard 50-Gallon Gas Storage Tank	Propane	0.60	$646
Standard 50-Gallon Electric Storage Tank	Electricity	0.95	$557
Mid-Efficiency Non-Condensing Tankless	Natural Gas	0.82	$200
Mid-Efficiency Non-Condensing Tankless	Propane	0.82	$473
High Efficiency Condensing Tankless	Natural Gas	0.96	$171
High Efficiency Condensing Tankless	Propane	0.96	$404

*Based on national averages per Department of Energy, U.S. Energy Information Administration.

CONDENSING TANKLESS

RINNAI ULTRA SERIES - RUR MODEL

Imagine turning on a shower and getting hot water almost immediately. Considering the average family loses precious time and numerous gallons a day waiting for water to heat up, that would be an invaluable change in routine. If you're tired of standing idly by while time and water go down the drain, Rinnai has five words that are sure to inspire you: Faster Hot Water Is Here!

Bringing Faster Hot Water Home.

Our focus on enhancing homeowners' lives by changing the way water is heated has created an exciting breakthrough in recirculation that puts faster hot water a turn of the knob away.

Rinnai's Ultra Series Tankless Water Heater RUR Models use thermal bypass technology that includes an integrated recirculation pump, an internal bypass line inside the model and a thermal bypass valve, and MC-195T 24-Hour Digital Controller provided inside the box to send unlimited hot water wherever and whenever it's needed, all in one comprehensive solution. By keeping a steady supply of heated water in the supply line during active circulation periods, the RUR makes hot water rapidly available in showers, sinks and appliances such as washing machines and dishwashers.

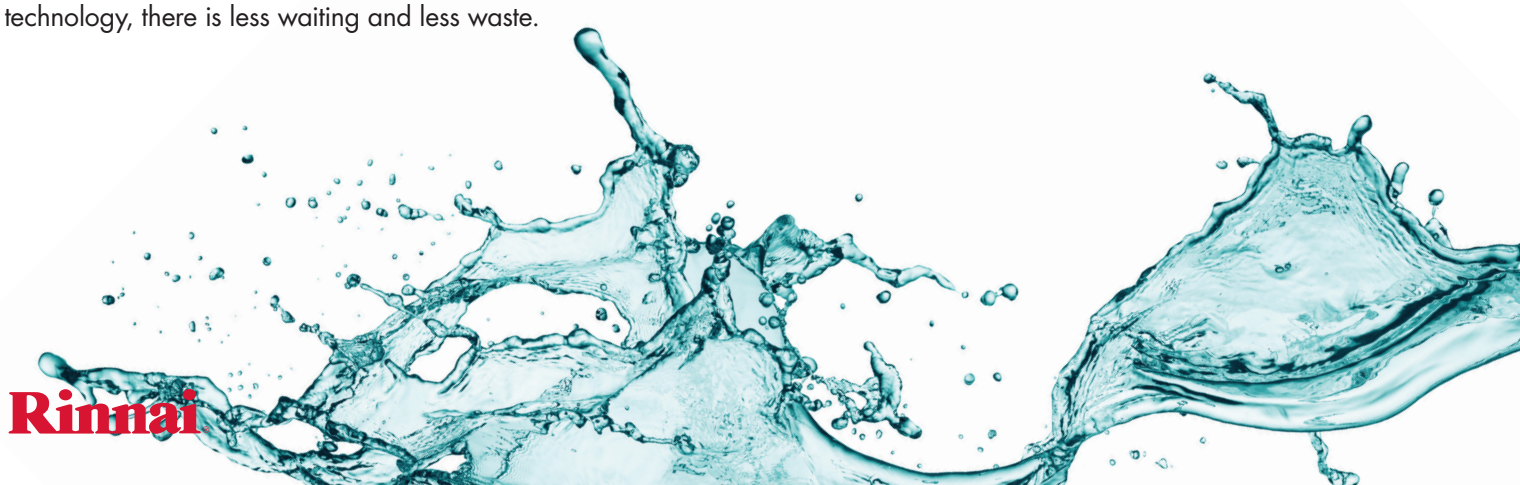
Wait Less, Waste Less.

Getting hot water faster creates significant benefits above and beyond the convenience of saving time. Recirculation means less water and money down the drain, saving on natural resources and the utility costs related to gas and water usage. And you can save even more energy by programming the 24-hour digital controller that's included in the box. It enables the scheduling of multiple recirculation events throughout the day to align with usage patterns and ensure hot water is available at the fixtures during peak demand times such as early morning before work and school.

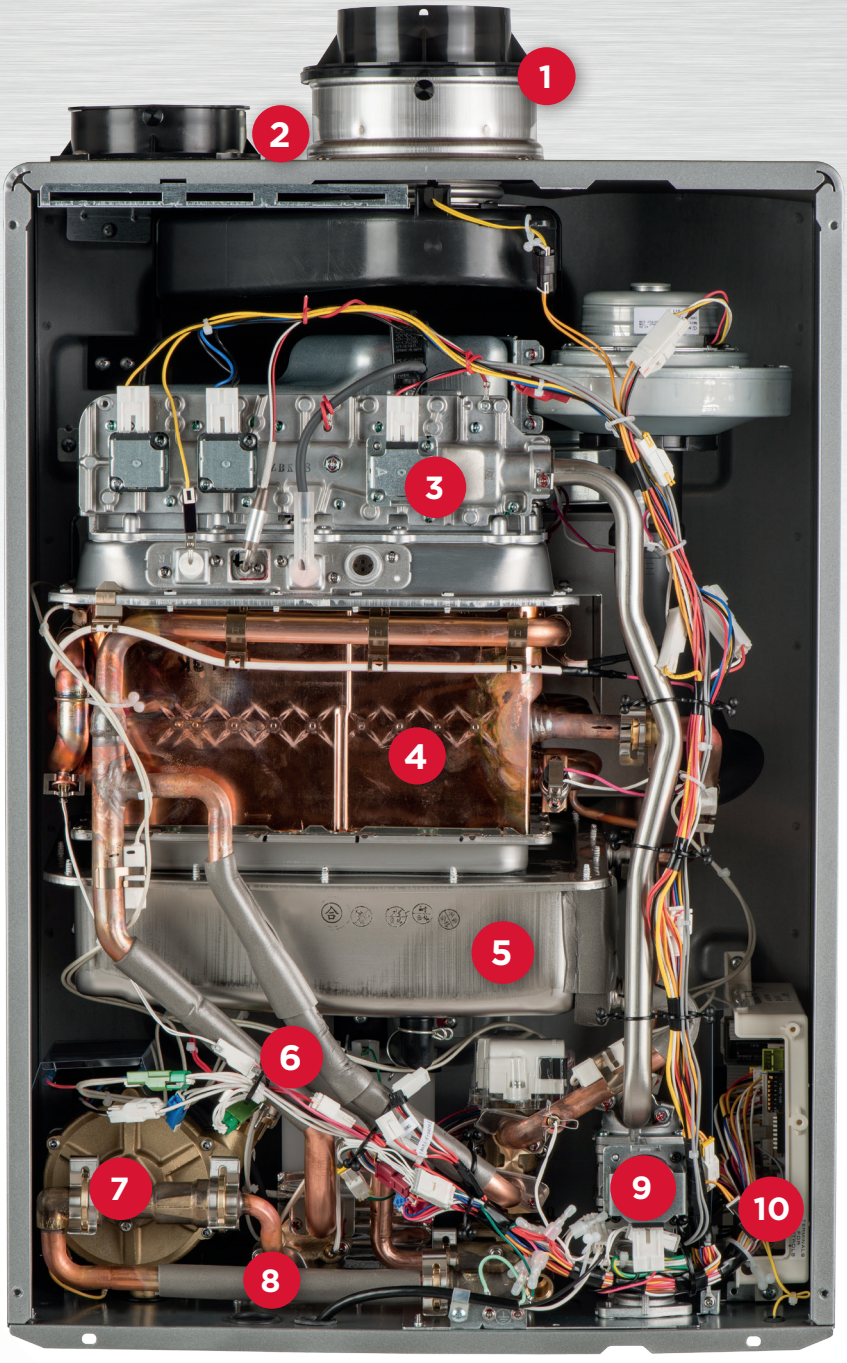
With the typical U.S. home wasting potentially thousands of gallons of water annually waiting for hot water, the RUR's fast-track delivery system pays off at the faucet and in the budget. And the convenience and comfort of hot water recirculation is an attractive feature that adds resale value to a home.

Adaptable to plumbing systems with or without a dedicated recirculation line, the Ultra Series Tankless Water Heater RUR Models are the only tankless water heaters to feature both Concentric and PVC/CPVC venting options on the same model, offering the ultimate flexibility.

The pleasure of faster hot water is truly at hand. And big water and gas savings are on tap, too. Thanks to Rinnai's smart recirculation technology, there is less waiting and less waste.



TECHNOLOGY



Rinnai introduces the first and only tankless water heater in the industry to offer both concentric and PVC/CPVC venting and integrated recirculation on the same model.

1. **Concentric Vent Stack**
2. **Dual Pipe Vent Option**
3. **Burner & Gas Manifold**
4. **Primary Heat Exchanger**
5. **Secondary Heat Exchanger**
6. **Integrated Condensation Trap**
7. **Built-In Circulation Pump**
8. **Internal Bypass Line**
9. **Modulating Gas Valve**
10. **Built-In Surge Protector & PC Board**

Rinnai Tankless Water Heaters deliver trusted quality and proven reliability you can count on. From efficient, durable products to experienced support, there is simply no better choice than Rinnai.

- Wide range of quality product offerings
- Easy, safe ventilation options
- 24/7 technical support for professionals
- Engineering application support for commercial customers
- Industry-leading recirculation capabilities
- More venting solutions on the same model

The Rinnai Ultra Series Tankless Water Heater
SAVING TIME, WATER AND

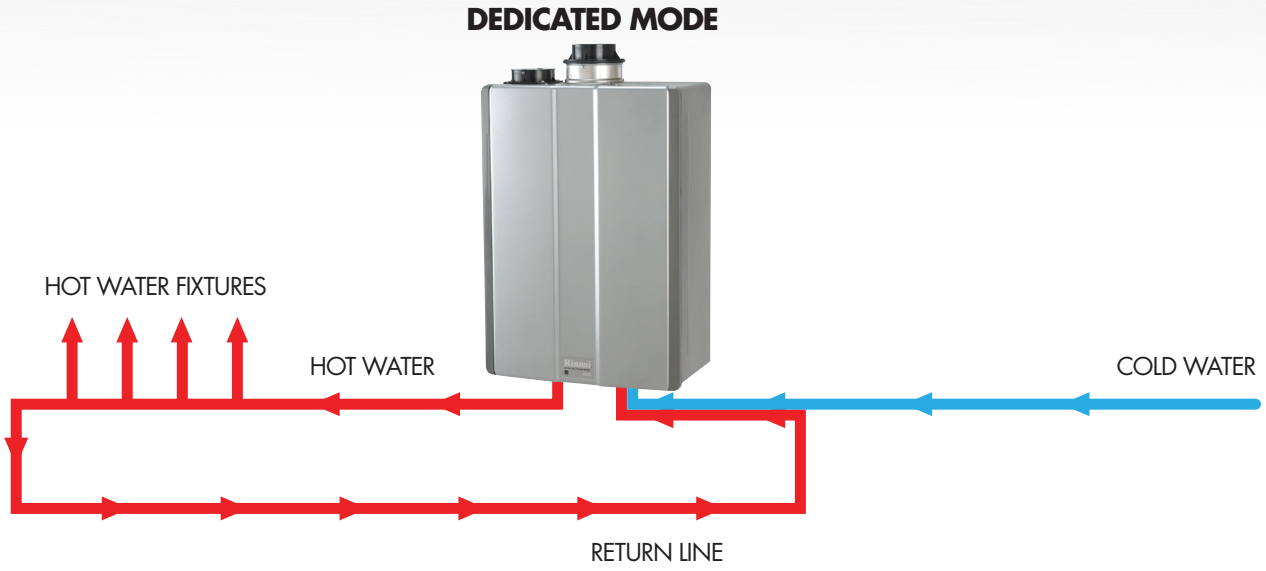
Recirculation in action...

Dedicated Return Line

Rinnai is the only manufacturer to offer a tankless model, the RUR, which is easily adaptable to plumbing systems with or without a dedicated recirculation return line right out of the box.

In the Dedicated Recirculation Line mode, the integrated pump circulates water from the tankless water heater through the hot water supply line and back to the tankless water heater via the dedicated return line. A temperature thermistor installed in the RUR's inlet pipe is utilized to control the on/off sequence of the integrated pump.

In homes with a dedicated return line, the RUR also provides for additional control of the integrated pump through Rinnai's time and temperature-based Comfort or Economy mode. In the Comfort mode, the pump on/off intervals can vary from 9 to 31 minutes depending on the temperature setting. When the return water reaches the temperature called for at the tankless water heater, the pump will turn off. In the Economy mode, the pump on/off intervals are less frequent and vary from 18 to 62 minutes depending on the temperature setting, providing additional energy and cost savings.



MC-195T 24-Hour Digital Controller

Both indoor and outdoor RUR models include a MC-195T 24-Hour Digital Controller, allowing you to adjust the timing and duration of the circulation system operation for maximum energy savings. Rinnai Circ-Logic technology built into the water heater operates the pump during active circulation periods.

RUR Models

MONEY WITH SMART RECIRCULATION.

HOW THE RUR WORKS.

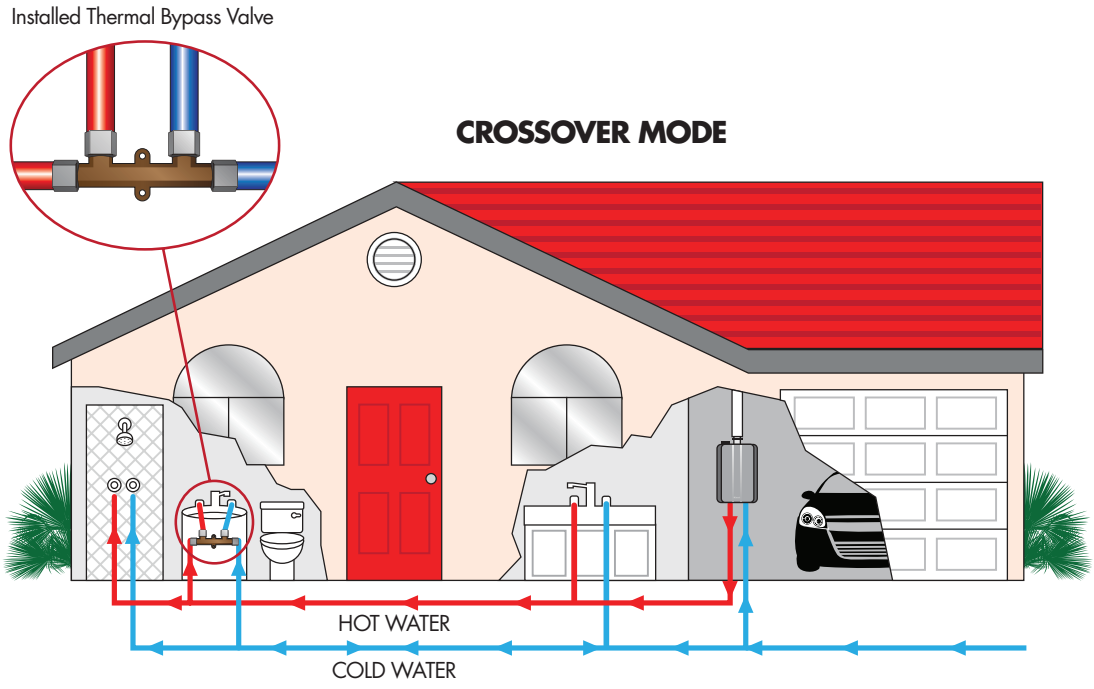
Crossover Valve

In applications where a dedicated recirculation line is not available or difficult to install, the RUR Tankless Water Heater utilizes the Crossover mode of hot water recirculation. The RUR's integrated recirculation pump, internal bypass line and thermal bypass valve, which is included as standard with every RUR model, make the Crossover mode of recirculation possible. The valve is installed between the hot and cold supply lines on the furthest fixture in the plumbing line from the tankless water heater. The cold water line is then used temporarily as the return portion of the circulation loop.

In the Crossover mode, the integrated pump circulates water from the tankless water heater through the hot water supply line, through the thermal bypass valve, and back to the tankless water heater via the cold water line. When hot water is detected at the valve, the water flow through the thermal bypass valve reduces down to barely a trickle, continuing to sense water temperature in the line. The pump will continue to operate and recirculate inside the water heater only until the end of the time interval and will restart at the beginning of the next interval. Installation of the bypass filter that's included in the box is used in the Crossover mode to allow the internal circulation of water through the water heater after the thermal bypass valve has closed.

In Crossover mode, the RUR again provides for additional control of the integrated pump through time-only based Comfort or Economy mode settings. In Comfort mode, the typical pump on/off intervals will vary depending on the length of recirculation loop used. For a short loop, the pump will be on for 8 minutes, off for 4; long loop, on for 16 minutes off for 4. In Economy mode, again the typical pump on/off intervals will vary depending on the length of recirculation loop used. For a short loop, the pump will be on for 8 minutes, off for 10; long loop, on for 16 minutes, off for 10, providing additional energy and cost savings.

Regardless of the hot water recirculation method used, the end result is the same: During active circulation periods, hot water is always available as it circulates from the hot water line back to the Rinnai RUR Tankless Water Heater.



Other Recirculation SOLUTIONS

Rinnai recirculation solutions build on the already endless supply of hot water Rinnai Tankless Water Heaters provide—adding the convenience of faster hot water.

Rinnai Circ-Logic technology comes standard on all Ultra and Luxury models, and can be used in combination with the following accessories to allow homeowners to set recirculation patterns that coincide with their hot water usage patterns. Hot water is available when needed, without the expense of circulating it during times of inactivity.

SOLUTION 1: GTK15 PUMP AND TIMER KIT

Allows homeowners to schedule multiple recirculation events throughout the day to align with usage patterns, such as getting ready in the morning.

SOLUTION 2: MC-195T 24-HOUR DIGITAL CONTROLLER AND PUMP

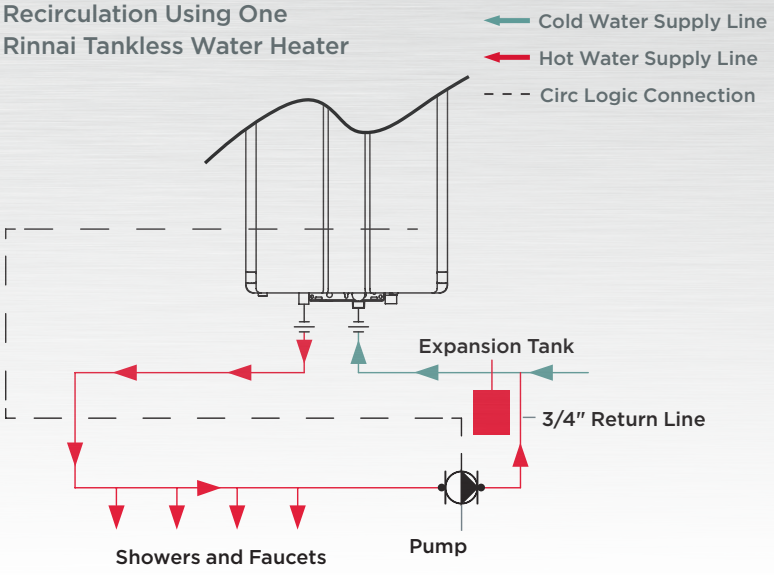
A stylish, wall-mountable digital control panel works seamlessly with Rinnai Circ-Logic technology and any properly sized pump. Multiple unique recirculation events can be programmed as well as an override function for homeowners to start recirculation outside of scheduled events.

SOLUTION 3: RINNAI CIRC-LOGIC AND PUMP

For recirculation without scheduled events, simply pair a Circ-Logic equipped tankless model with a properly sized pump. Recirculation intervals can be set to Comfort mode (shorter time intervals) or Economy mode (longer time intervals). Recirculation deactivates once the water has reached set temperature.

Feature	Pump and Timer Kit (GTK15)	24-Hour Digital Timer Controller (MC-195T) & Pump	Pump Only with Circ-Logic Control
System Override Capacity	No	Yes	No
Changes WH Temp	No	Yes	No
Displays WH Codes	No	Yes	No
Dedicated Return	Yes	Yes	Yes
24-Hour Clock	Yes	Yes	No
Timed Events	Yes	Yes	No
# Timed Events	Multiple	Multiple	N/A

Recirculation Using One Rinnai Tankless Water Heater



The Rinnai RH180 Hybrid Tank-Tankless Water

Enjoy hot water at the pace of your life.

With a busy life, you need every advantage you can get. Because the Rinnai RH180 Hybrid Tank-Tankless Water Heater replenishes its hot water supply much more quickly than a traditional tank water heater, it puts time on your side. Imagine your entire family taking back-to-back showers and never running out of hot water!

Simplify your life.

The Rinnai RH180 Hybrid Tank-Tankless Water Heater makes life simpler by giving you more hot water to meet your daily hot water needs. Without even realizing it, many of us fall into a routine of planning our lives around hot water. Baths, showers, laundry and running the dishwasher become scheduled events based on hot water availability, instead of when we really want it.

Makes for a convenient way to get a fast upgrade.

It's not complicated to get the comfort you want. In fact, the Rinnai RH180 Hybrid Tank-Tankless Water Heater installs like a traditional tank-style water heater using a 1/2" gas line, standard water connections and 4" B-Vent, or can be common vented with a furnace.

In other words, it's an ideal upgrade opportunity that lets you enjoy increased hot water capacity without reconfiguring your setup. As a simple job your installer can do, it's perfect for both home remodeling and emergency replacement situations.

Water Heating Solutions - Clear Differences

	Fixtures/Appliances In Use	Available Hot Water	Replenish Entire Hot Water Supply	Ease of Installation
 ELECTRIC TANK WATER HEATER	1	21 MIN	88 MIN	STANDARD CONNECTION
 GAS TANK WATER HEATER	1	18 MIN	36 MIN	STANDARD CONNECTION
 RINNAI RH180 HYBRID TANK-TANKLESS WATER HEATER	1	CONTINUOUS	16 MIN	STANDARD CONNECTION
 RINNAI TANKLESS WATER HEATER	NUMEROUS	CONTINUOUS	INSTANT	SOME RETROFIT

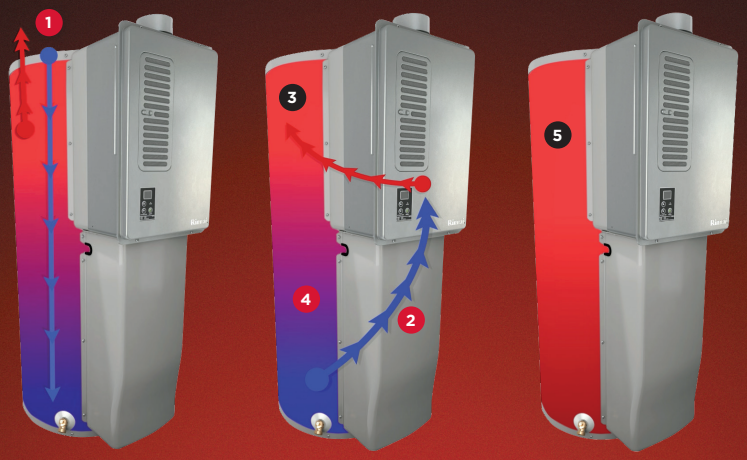
Based on 50° F inlet supply water temperature, 40-gallon standard tank, single shower use (assumed to be 2.5 gpm mixed flow rate). Mixed temperature at showerheads to be 105° F. Appliance set point to be 120° F. Available hot water and replenished hot water supply based on industry calculation methods and Rinnai lab testing. Based on internal Rinnai testing, results may vary based on application.

Heater DELIVERS MORE OF WHAT YOU WANT.

Standard Hookups Make Installation Quick and Easy.

- A Gas: 1/2" (12.7 mm) MNPT*
- B 4" (101.6 mm) B-Vent
- C Hot Water: 3/4" (19.05 mm) MNPT
- D PRV: 3/4" (19.05 mm) FNPT

*As with all gas appliance applications, installers should check and abide by local gas-pipe size and national fuel gas codes.



HOW IT WORKS.

The Rinnai RH180 Hybrid Tank-Tankless Water Heater is a unique combination blending the benefits of advanced technology and simple supply; it pairs an innovative, on-demand tankless system with an ample 40-gallon storage tank. By design, the system has a large capacity of hot water as well as technology to help maintain and quickly replenish the hot water supply.

Here are the basics:

1. When a hot water fixture (shower, faucet, etc.) is turned on, heated water exits the system from the top of the tank. While hot water exits the top of the tank, cold water enters the system and is directed toward the bottom of the tank.
2. Automatically sensing a change in temperature, the system activates a pump that draws cooler water located at the bottom of the tank up and through the heating components of the tankless model.
3. The heated water exits the tankless model and is then directed toward the top of the tank.
4. While the fixture is on and cold water continues to be directed to the bottom of the tank, the tankless technology continually replenishes the system with hot water.
5. When the hot water fixture is turned off, cold water stops entering the tank, but the tankless model continues replenishing hot water until the selected set temperature is satisfied.

Ultra Series

	RUR Models		RUC Models		
					
Model	RUR98i	RUR98e	RUC98i	RUC90i	RUC80i
Dimensions - w, h, d Inches (mm)	18.5 X 26 X 10 (469.9 X 660.4 X 254)	18.5 X 26 X 10 (469.9 X 660.4 X 254)	18.5 X 26 X 10 (469.9 X 660.4 X 254)	18.5 X 26 X 10 (469.9 X 660.4 X 254)	18.5 X 26 X 10 (469.9 X 660.4 X 254)
Weight (lbs / kg)	72.8 / 33	72.8 / 33	61.7 / 28.0	61.7 / 28.0	61.7 / 28.0
Installation Type	Indoor	Outdoor	Indoor	Indoor	Indoor
Min./Max. BTU (natural gas)	15,200/199,000	15,200/199,000	15,200/199,000	15,200/180,000	15,200/152,000
Min./Max. BTU (propane)	15,200/199,000	15,200/199,000	15,200/199,000	15,200/180,000	15,200/152,000
Energy Factor	0.95	0.95	0.95	0.96	0.96
Temp. Range Residential	98°–140° F / 37°–60° C	98°–140° F / 37°–60° C	98°–140° F / 37°–60° C	98°–140° F / 37°–60° C	98°–140° F / 37°–60° C
Temp. Range Commercial	98°–140° F / 37°–60° C	98°–140° F / 37°–60° C	98°–185° F / 37°–85° C**	98°–185° F / 37°–85° C**	98°–185° F / 37°–85° C**
Min. Activation Rate	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)
Flow Rate (70° / 50° Temp. Rise)	5.5 / 7.7 (20.8 / 29.2)	5.5 / 7.7 (20.8 / 29.2)	5.5 / 7.7 (20.8 / 29.2)	5.0 / 7.0 (18.9 / 26.5)	4.2 / 5.9 (15.9 / 22.3)
Hot Water Flow Rate Range	0.26–9.8 gpm (0.98–37.1 lpm)	0.26–9.8 gpm (0.98–37.1 lpm)	0.26–9.8 gpm (0.98–37.1 lpm)	0.26–9.0 gpm (0.98–34.1 lpm)	0.26–8.0 gpm (0.98–30.3 lpm)
Controller (standard)	MC-195T-US	MC-195T-US	Integrated	Integrated	Integrated
Controllers (optional)	MC-91-2US	MC-91-2US	MC-195T-US, MC-100V-1US, BC-100V-1US, MCC-91-2US	MC-195T-US, MC-100V-1US, BC-100V-1US, MCC-91-2US	MC-195T-US, MC-100V-1US, BC-100V-1US, MCC-91-2US
Ultra Low NOx	yes	yes	yes	yes	yes
Warranty (Residential)*	Limited 12-year on heat exchanger, 5-year on parts, 1-year on labor (5-year optional on labor)				
Warranty (Commercial)*	Limited 5-year on heat exchanger, 5-year on parts, 1-year on labor (2-year optional on labor)				
Mobile Home Certified	yes	yes	yes	yes	yes
Valves Shipped in Box	yes	yes	yes	yes	yes
High Altitude Approved	Up to 10,200 ft. (3,109 m)		Up to 10,200 ft. (3,109 m)		
Certifications	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®
Venting Options	Concentric or PVC / CPVC	N/A	Concentric or PVC / CPVC	Concentric or PVC / CPVC	Concentric or PVC / CPVC
Tankless Rack System (TRS/TRW) Compatible	no	no	yes	no	no
½" Gas Line Compatible***	yes	yes	yes	yes	yes

* For complete information and details regarding Rinnai's warranty, please visit rinnai.us.

** To achieve temperatures over 140° F, an MCC-91 commercial controller must be purchased separately.

MODEL CHART AND SPECIFICATIONS.

RU Models			RUCS / RUS Models			
						
RU98e	RU90e	RU80e	RUCS75i	RUS75e	RUCS65i	RUS65e
18.5 X 26 X 10 (469.9 X 660.4 X 254)	18.5 X 26 X 10 (469.9 X 660.4 X 254)	18.5 X 26 X 10 (469.9 X 660.4 X 254)	18.5 X 26 X 10 (469.9 X 660.4 X 254)	18.5 X 26 X 10 (469.9 X 660.4 X 254)	18.5 X 26 X 10 (469.9 X 660.4 X 254)	18.5 X 26 X 10 (469.9 X 660.4 X 254)
61.7 / 28.0	61.7 / 28.0	61.7 / 28.0	57.3 / 26	57.3 / 26	57.3 / 26	57.3 / 26
Outdoor	Outdoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor
15,200/199,000	15,200/180,000	15,200/152,000	10,300/160,000	10,300/160,000	10,300/130,000	10,300/130,000
15,200/199,000	15,200/180,000	15,200/152,000	10,300/160,000	10,300/160,000	10,300/130,000	10,300/130,000
0.95	0.96	0.96	0.93	0.93	0.93	0.93
98°–140° F / 37°–60° C	98°–140° F / 37°–60° C	98°–140° F / 37°–60° C	120°–140° F / 49°–60° C	120°–140° F / 49°–60° C	120°–140° F / 49°–60° C	120°–140° F / 49°–60° C
98°–185° F / 37°–85° C**	98°–185° F / 37°–85° C**	98°–185° F / 37°–85° C**	Residential Only	Residential Only	Residential Only	Residential Only
0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)
5.5 / 7.7 (20.8 / 29.2)	5.0 / 7.0 (18.9 / 26.5)	4.2 / 5.9 (15.9 / 22.3)	4.2 / 5.9 (15.9 / 22.3)	4.2 / 5.9 (15.9 / 22.3)	3.4 / 4.8 (12.9 / 18.1)	3.4 / 4.8 (12.9 / 18.1)
0.26–9.8 gpm (0.98–37.1 lpm)	0.26–9.0 gpm (0.98–34.1 lpm)	0.26–8.0 gpm (0.98–30.3 lpm)	0.26–7.5 gpm (0.98–28.4 lpm)	0.26–7.5 gpm (0.98–28.4 lpm)	0.26–6.5 gpm (0.98–24.6 lpm)	0.26–6.5 gpm (0.98–24.6 lpm)
MC-91-2US	MC-91-2US	MC-91-2US	Status Monitor	Status Monitor	Status Monitor	Status Monitor
MC-195T-US, MC-100V-1US, BC-100V-1US, MCC-91-2US	MC-195T-US, MC-100V-1US, BC-100V-1US, MCC-91-2US	MC-195T-US, MC-100V-1US, BC-100V-1US, MCC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US
yes	yes	yes	yes	yes	yes	yes
Limited 12-year on heat exchanger, 5-year on parts, 1-year on labor (5-year optional on labor)			Limited 12-year on heat exchanger, 5-year on parts, 1-year on labor			
Limited 5-year on heat exchanger, 5-year on parts, 1-year on labor (2-year optional on labor)			Residential Only	Residential Only	Residential Only	Residential Only
yes	yes	yes	yes	yes	yes	yes
yes	yes	yes	no	no	no	no
Up to 10,200 ft. (3,109 m)			Up to 5,400 ft. (1,646 m)			
AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA ENERGY STAR®	AHRI, CSA ENERGY STAR®	AHRI, CSA ENERGY STAR®	AHRI, CSA, ENERGY STAR®
N/A	N/A	N/A	Concentric or PVC / CPVC	N/A	Concentric or PVC / CPVC	N/A
yes	no	no	no	no	no	no
yes	yes	yes	yes	yes	yes	yes

*** For complete information on gas sizing for Rinnai Tankless Water Heaters, consult the Operation and Installation Manual.

NON-CONDENSING & RH180 HYBRID TANK - TANKLESS WATER

Luxury Series

					
Model	RL94i	RLX94i	RL94e	RL75i	RL75e
Dimensions - w, h, d Inches (mm)	14 x 23 x 9 (355.6 x 584.2 x 228.6)	14 x 23 x 9 (355.6 x 584.2 x 228.6)	14 x 23 x 9 (355.6 x 584.2 x 228.6)	14 x 23 x 9 (355.6 x 584.2 x 228.6)	14 x 23 x 9 (355.6 x 584.2 x 228.6)
Weight (lbs / kg)	46.3 / 21.0	46.3 / 21.0	44.3 / 20.1	45.6 / 20.7	43.7 / 19.8
Installation Type	Indoor	Indoor	Outdoor	Indoor	Outdoor
Min./Max. BTU (natural gas)	10,300/199,000	10,300/192,000	10,300/199,000	10,300/180,000	10,300/180,000
Min./Max. BTU (propane)	10,300/199,000	N/A	10,300/199,000	10,300/180,000	10,300/180,000
Energy Factor	0.82	0.82	0.82	0.82	0.82
Temp. Range Residential	98°–140° F (37°–60° C)	98°–140° F (37°–60° C)	98°–140° F (37°–60° C)	98°–140° F (37°–60° C)	98°–140° F (37°–60° C)
Temp. Range Commercial	98°–185° F (37°–85° C)**	98°–185° F (37°–85° C)**	98°–185° F (37°–85° C)**	98°–160° F (37°–71° C)**	98°–160° F (37°–71° C)
Min. Activation Rate	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)
Flow Rate (70° / 50° Temp. Rise)	4.7 / 6.6 (17.8 / 29.2)	4.5 / 6.4 (17.03 / 24.2	4.7 / 6.6 (17.8 / 29.2)	4.3 / 6.0 (16.3 / 22.7)	4.3 / 6.0 (16.3 / 22.7)
Hot Water Flow Rate Range	0.26–9.8 gpm (0.98–37.1 lpm)	0.26–9.8 gpm (0.98–37.1 lpm)	0.26–9.8 gpm (0.98–37.1 lpm)	0.26–7.5 gpm (0.98–28.4 lpm)	0.26–7.5 gpm (0.98–28.4 lpm)
Controller (standard)	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US
Controllers (optional)	MC-100-1, BC-100V-1, MC-195T-US, MCC-91-2				
Ultra Low NOx	no	yes	yes	yes	yes
Warranty (Residential)*	Limited 12-year on heat exchanger, 5-year on parts, 1-year on labor (5-year optional on labor)				
Warranty (Commercial)*	Limited 5-year on heat exchanger, 5-year on parts, 1-year on labor (2-year optional on labor)				
Mobile Home Certified	yes	yes	yes	yes	yes
Valves Shipped in Box	yes	yes	yes	yes	yes
High Altitude Approved	Up to 10,200 ft. (3,109 m)				
Certifications	AHRI and CSA				
Venting Options	Concentric	Concentric	N/A	Concentric	N/A
TRS Compatible	no	no	no	no	no
½" Gas Line Compatible***	yes	yes	yes	yes	yes

* For complete information and details regarding Rinnai's warranty, please visit rinnai.us.
** To achieve temperatures over 140° F, an MCC-91 commercial controller must be purchased separately.
*** For complete information on gas sizing for Rinnai Tankless Water Heaters, please consult the Operation and Installation Manual.
‡ Based on DOE first hour test (IOCFR, Part 430).

HEATERS MODEL CHART AND SPECIFICATIONS.

Value Series					Hybrid Tank-Tankless
					
V75i	V75e	V65i	V65e	V53e	RH180
14 x 23 x 9 (355.6 x 584.2 x 228.6)	14 x 23 x 9 (355.6 x 584.2 x 228.6)	14 x 23 x 9 (355.6 x 584.2 x 228.6)	14 x 23 x 9 (355.6 x 584.2 x 228.6)	14 x 21 x 7 (355.6 x 533.4 x 177.8)	20 x 51.2 x 27.5 (508 x 1,300.5 x 698.5)
45.6 / 20.7	43.6 / 19.8	45.6 / 20.7	43.9 / 19.8	34 / 15.4	168.5 / 68
Indoor	Outdoor	Indoor	Outdoor	Outdoor	Indoor
10,300/180,000	10,300/180,000	10,300/150,000	10,300/150,000	19,000/120,000	59,500/91,300
10,300/180,000	10,300/180,000	10,300/150,000	10,300/150,000	20,200/120,000	47,600/87,300
0.82	0.82	0.82	0.82	0.82	80% Thermal Efficiency
98°–140° F (37°–60° C)	98°–140° F (37°–60° C)	98°–140° F (37°–60° C)	98°–140° F (37°–60° C)	120°–140° F (49°–60° C)	110°–140° F (43°–60° C)
Residential Only					Residential Only
0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.4 gpm (1.5 lpm)	0.6 gpm (2.3 lpm)	N/A
4.3 / 6.0 gpm (16.3 / 22.7 lpm)	4.3 / 6.0 gpm (16.3 / 22.7 lpm)	3.6 / 5.0 gpm (13.6 / 18.9 lpm)	3.6 / 5.0 gpm (13.6 / 18.9 lpm)	2.8 / 4.0 gpm (10.6 / 15.1 lpm)	N/A
0.26–7.5 gpm (0.98–28.4 lpm)	0.26–7.5 gpm (0.98–28.4 lpm)	0.26–6.5 gpm (0.98–24.6 lpm)	0.26–6.5 gpm (0.98–24.6 lpm)	0.60–5.3 gpm (0.98–20.1 lpm)	First Hour Rating: 180 gph‡
MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	Status Monitor	Integrated
MC-100-1, BC-100V-1				MC-91-2US	N/A
yes	yes	yes	yes	no	no
Limited 10-year on heat exchanger, 5-year on parts, 1-year on labor					HEX 10 yrs; tank 6 yrs; parts 3 yrs; labor 1 yr
Residential Only					Residential Only
yes	yes	yes	yes	yes	no
no	no	no	no	no	no
Up to 10,200 ft. (3,109 m)					Up to 5,400 ft. (1,646 m)
AHRI and CSA					
Concentric	N/A	Concentric	N/A	N/A	4" UL Listed B-Vent
no	no	no	no	no	no
yes	yes	yes	yes	yes	yes

FLEXIBLE TANKLESS

A First in Both Concentric and PVC/CPVC Venting for Condensing Tankless Water Heaters On One Model

The new RUR and RUC models of the Rinnai Ultra Series Tankless Water Heaters are the only tankless water heaters to offer Concentric Polypropylene or dual-pipe PVC/CPVC venting options on the same model. The dual venting configuration on the top allows for maximum flexibility for installers and dealers — one Concentric vent or two PVC/CPVC pipes can be used for venting.

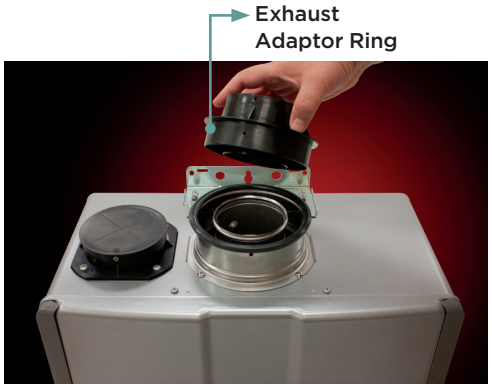
As the #1 selling brand of tankless water heaters in the U.S. and Canada, we still favor Concentric Polypropylene for its superior joint fit, no cure time, quick installation and reduced wall or roof penetrations, but as leaders in the industry, we understand that PVC/CPVC can sometimes be more readily available or preferred in some installations.

Rinnai is the only tankless water heater manufacturer to offer both Concentric and dual-pipe PVC/CPVC on the same model, providing more venting options right out of the box — saving time, money and offering the best flexibility for faster installations in homes and businesses — from one project to the next.

Dual pipe venting options available on RUR and RUC Tankless Water Heaters include:

- 3" or 4" PVC/CPVC*
- 3" Centrotherm InnoFlue Vent System (ULC-S636 listed)*
- IPEX Concentric and Low Profile Termination Kit*
- Snorkel and Tee Terminations*

DUAL VENTING OPTIONS



For concentric venting, installers simply remove and discard the exhaust adaptor ring.

For PVC/CPVC configurations, the intake cap is removed and discarded. With this option, installers can use three- or four-inch PVC/CPVC pipe for the intake and exhaust.

VENT TYPE	RUR / RUC NATURAL GAS	RUR / RUC PROPANE	RUCS
Concentric PP	**65 Feet** (19.8 m)**	41 Feet (12.5 m)	41 Feet (12.5 m)
Twin Pipe PP (Centrotherm)	**41 Feet** (12.5 m)**	41 Feet (12.5 m)	41 Feet (12.5 m)

VENT TYPE	RUR / RUC NATURAL GAS	RUR / RUC PROPANE	RUCS
3" Dual Pipe PVC/CPVC (76.2 mm)	**65 Feet** (19.8 m)**	41 Feet (12.5 m)	41 Feet (12.5 m)
4" Dual Pipe PVC/CPVC (10.16 m)	**100 Feet** (30.5 m)**	65 Feet (19.8 m)	100 Feet (30.5 m)

*Reference Rinnai Tankless Water Heater Installation and Operation Manual for further information.

**Maximum equivalent vent lengths are specific to the fuel type of the RUC and RUR tankless water heater. Use of elbows in installation will reduce the maximum vent length. It is imperative when performing equivalent vent length calculations, that you refer to the Installation Manual and any applicable technical bulletins.

INSTALLATION OPTIONS

Optimized Concentric Venting for Non-Condensing Tankless Water Heaters

Rinnai Tankless Water Heaters were the first to use a unique Concentric Venting System, a single-vent assembly option featuring an inner tube for exhaust and an outer tube for fresh air from outdoors. The result is a direct-vent, sealed combustion system that offers optimum safety and performance.

Beyond performance, our concentric system option can make installation faster and easier with:

- Single penetration through the wall reducing install time and costs
- Simple positive-fit components for secure connection
- Joint seals that expand and contract with weather to prevent damage
- Ease of assembly, adjustment and disassembly

Venting available in vertical and horizontal configurations. Concentric structure allows hot exhaust to exit through interior tube, while fresh air enters through the outer layer.

Rinnai Makes Your 1/2" Gas Line an Option, Not an Obstacle.

If your tankless water heater installation calls for the use of ½" gas line, Rinnai has two words for you… no problem. Pick the gas line – and the Rinnai – that's right for you.‡

Rinnai Tankless Water Heaters are designed to always provide maximum performance and operating efficiency using either a ¾" or ½" gas line, as long as sufficient gas flow is available.

RINNAI TANKLESS WATER HEATER MODELS	BTU	GAS LINE	
		1/2"	3/4"
		MAXIMUM EQUIVALENT LENGTH	
V53e	120,000	100' (30.4 m)	450' (137.2 m)
RUCS65i	130,000		350' (106.7m)
RUS65e			
V65e	150,000	70' (21.34 m)	300' (91.44 m)
V65i			
RUC80i	152,000		250' (76.2 m)
RU80e			
RUCS75i	160,000	60' (18.29 m)	
RUS75e			
RL75i	180,000	50' (15.24 m)	200' (60.96 m)
RL75e			
V75i			
V75e			
RUC90i			
RU90e			
RLX94i	192,000	40' (12.19 m)	175' (53.34 m)
RUC98i	199,000		
RU98e			
RL94i			
RL94e			
RUR98i			
RUR98e			

Source: NFPA 54/ANSI Z223.1 National Fuel Gas Code.

‡For complete information on gas sizing for Rinnai Tankless Water Heaters, consult the Operation and Installation Manual.

Because an undersized gas line can stress a tankless system and potentially reduce its life span, Rinnai Tankless Water Heaters, unlike other tankless water heaters, are equipped with innovative technology that safely ceases operation if it detects inadequate gas flow in order to avoid compromising performance and efficiency.

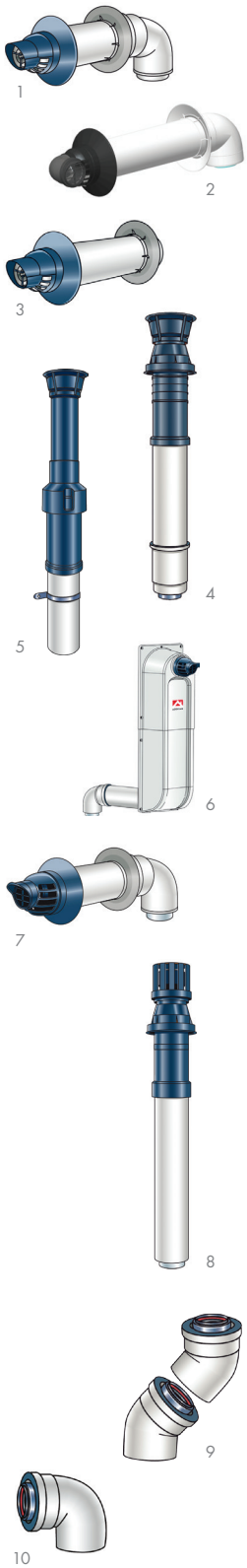
The table to the left lists the maximum length for both ½" and ¾" gas lines when paired with each of Rinnai's Tankless Water Heaters.

How To Properly Size Your Gas Line:

- Determine what type of gas is being utilized
- Determine the inlet pressure
- Determine the allowed pressure drop
- Determine what other types of gas appliances are sharing the gas line
- Determine the maximum loads expected on the whole system as stated in the National Fuel Gas Code

VENTING PARTS

TERMINATION & TERMINATION KITS



NON-CONDENSING (LUXURY AND VALUE SERIES)

Part Number	Image	Description		Inner Exhaust Material	Outer Intake Material
223181	1	Universal Horizontal Termination Kit	11.5″ / 292.1 mm	Aluminum	Plastic
223188	1	Universal Termination Metal Kit	12″ / 304.8 mm	Aluminum	Metal
223182	1	Universal Horizontal Termination Kit	21″ / 533.4 mm	Aluminum	Plastic
223187	2	Horizontal Termination Diverter Kit	21″ / 533.4 mm	Aluminum	Plastic
223183	3	Universal Horizontal Termination	11.5″ / 292.1 mm	Aluminum	Plastic
223184	3	Universal Horizontal Termination	21″ / 533.4 mm	Aluminum	Plastic
184118-S	4	Roof Discharge Termination (above roof)	18″ / 457.2 mm	Aluminum	Plastic
184127	4	Roof Discharge Termination (above roof)	18″ / 457.2 mm	Aluminum	Metal
184119	5	Roof Discharge Termination	38″ / 965.2 mm	Aluminum	Plastic
224046	6	Raised Horizontal Termination Kit	—	Aluminum	Plastic
185342	—	Roof Termination Extension Kit	—	Aluminum	Plastic

CONDENSING (ULTRA SERIES)

Part Number	Image	Description		Inner Exhaust Material	Outer Intake Material
223176PP	7	Condensing Horizontal Termination Kit	12″ / 304.8 mm	PP	Plastic
223177PP	7	Condensing Horizontal Termination Kit	21″ / 533.4 mm	PP	Plastic
223186PP	3	Condensing Horizontal Term Diverter Kit	19″ / 482.6 mm	PP	Plastic
184162PP	8	Condensing Roof Discharge Termination Short (above roof)	38″ / 965.2 mm	PP	Plastic
224047PP	6	Condensing Raised Horizontal Termination Kit ("Snorkel")	—	PP	Plastic
185344PP	—	Roof Termination Extension Kit	—	PP	Plastic

ELBOWS

NON-CONDENSING (LUXURY AND VALUE SERIES)

Part Number	Image	Description	Inner Exhaust Material	Outer Intake Material
224050	9	45-Degree Elbow (Quantity of 2)	Aluminum	Plastic
224063	10	90-Degree Elbow	Aluminum	Plastic
224250	9	45-Degree Elbow (Quantity of 2)	Aluminum	Metal
224255	10	90-Degree Elbow	Aluminum	Metal

CONDENSING (ULTRA SERIES)

Part Number	Image	Description	Inner Exhaust Material	Outer Intake Material
224077PP	9	45-Degree Elbow (Quantity of 2)	PP	Plastic
224078PP	10	90-Degree Elbow	PP	Plastic

Termination Kits include elbow and rubber wall plate.

VENT PIPE EXTENSIONS

NON-CONDENSING (LUXURY AND VALUE SERIES)

Part Number	Image	Description		Inner Exhaust Material	Outer Intake Material
224051	11	Vent Pipe Extension	10"/ 254 mm	Aluminum	Plastic
224052	11	Vent Pipe Extension	19.5" / 495.3 mm	Aluminum	Plastic
224053	11	Vent Pipe Extension	39" / 990.6 mm	Aluminum	Plastic
224054	12	Telescoping Vent Length	2"–12" / 50.8–304.8 mm	Aluminum	Plastic
224275	12	Telescoping Vent Length	2"–12" / 50.8–304.8 mm	Aluminum	Metal
224260	11	Vent Pipe Extension	10"/ 254 mm	Aluminum	Metal
224265	11	Vent Pipe Extension	19.5" / 495.3 mm	Aluminum	Metal
224270	11	Vent Pipe Extension	39" / 990.6 mm	Aluminum	Metal

CONDENSING (ULTRA SERIES)

Part Number	Image	Description		Inner Exhaust Material	Outer Intake Material
224087PP	11	Vent Pipe Extension	10"/ 254 mm	PP	Plastic
224079PP	11	Vent Pipe Extension	19.5" / 495.3 mm	PP	Plastic
224080PP	11	Vent Pipe Extension	39" / 990.6 mm	PP	Plastic

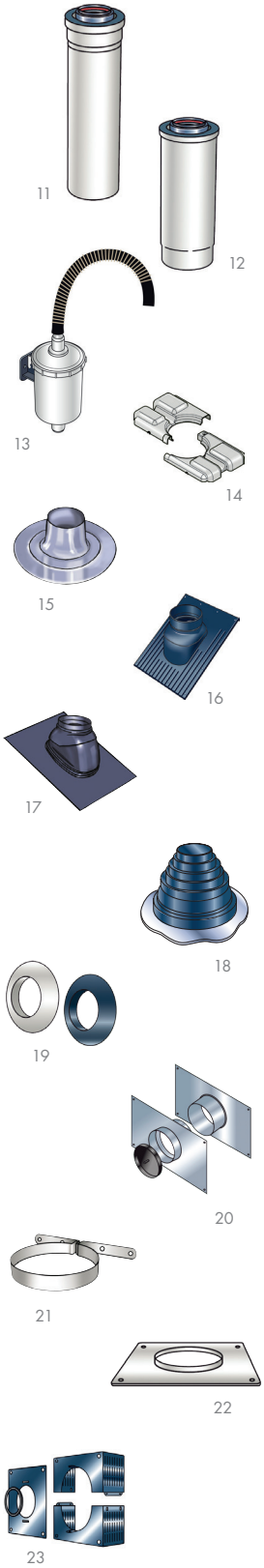
ADDITIONAL

NON-CONDENSING (LUXURY AND VALUE SERIES)

Part Number	Image	Description	
222053	13	Condensate Trap	Suitable for use with plastic and metal components
224040	14	NSF Cover (for commercial applications)	

NON-CONDENSING & CONDENSING (ULTRA SERIES)

Part Number	Image	Description	
146141	15	Roof Flashing Assembly (flat roof)	Suitable for use with plastic and metal components
189950	16	Shingle Roof Flashing (1/12 to 6/12 pitch; plastic)	
189951	16	Shingle Roof Flashing (6/12 to 12/12 pitch; plastic)	
189952	16	Shingle Roof Flashing (8/12 to 16/12 pitch; plastic)	
50171949	17	Tile/Shingle Roof Flashing (1/12 to 6/12 pitch; metal)	
50171961	17	Tile/Shingle Roof Flashing (6/12 to 12/12 pitch; metal)	
50171954	17	Tile/Shingle Roof Flashing (8/12 to 16/12 pitch; metal)	
242141	18	Flashing for Metal Roof	
710342	19	Rubber Wall Plate (white)	
710602	19	Rubber Wall Plate (black)	
224045	20	Thimble (1 piece per box)	
169044	21	Pipe Clamp	
224097	22	Metal Pass Through Plate	
224042	23	Universal Bug Guard	



ACCESSORIES

To further enhance the performance of Rinnai tankless water heating products, these accessories add even more flexibility.


MC-195T-US


BC-100V-1S


MC-100V-1S


MC-91-2S

DIGITAL TEMPERATURE CONTROLLER

Part Number	Description	Temp. Range	Color
MC-91-2S	Residential/Commercial Standard Digital Controller	98°–140°F / 36°–60°C	Silver
MC-91-2W	Residential/Commercial Standard Digital Controller	98°–140°F / 36°–60°C	White
MCC-91-2W	Commercial Controller	>140°F / 60°C	White
MC-100V-1S	Deluxe Digital Controller with Clock and Call Feature	98°–140°F / 36°–60°C	Silver
MC-100V-1W	Deluxe Digital Controller with Clock and Call Feature	98°–140°F / 36°–60°C	White
BC-100V-1S	Bath Fill Digital Controller	98°–140°F / 36°–60°C	Silver
BC-100V-1W	Bath Fill Digital Controller	98°–140°F / 36°–60°C	White
MC-195T-US	24-Hour Digital Controller for Recirculation	98°–140°F / 36°–60°C	Silver/ Black


ScaleCutter System

SCALECUTTER®

Part Number	Description	Feed
103000038	ScaleCutter System 3/4" Feed	3/4"
103000039	ScaleCutter System Refill	3/4"


Grundfos Pump with Timer Kit


Condensate Neutralizer Kit

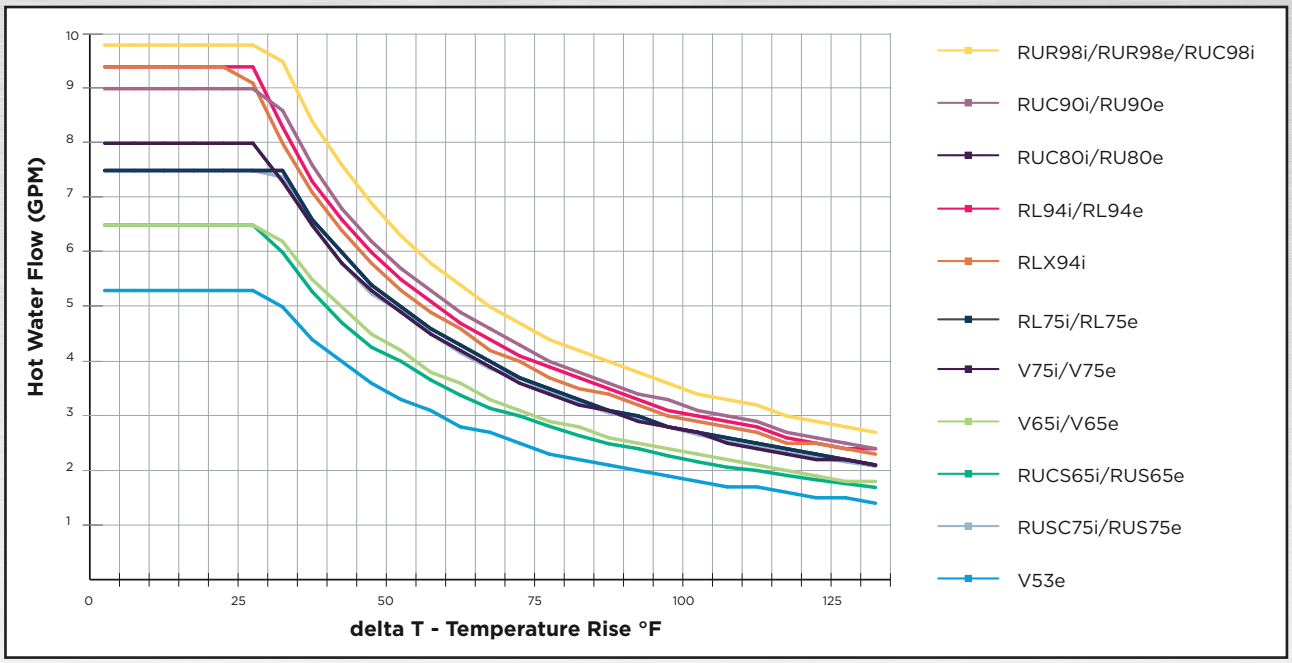

Pipe Cover Enclosure


Recess Box

ADDITIONAL ACCESSORIES

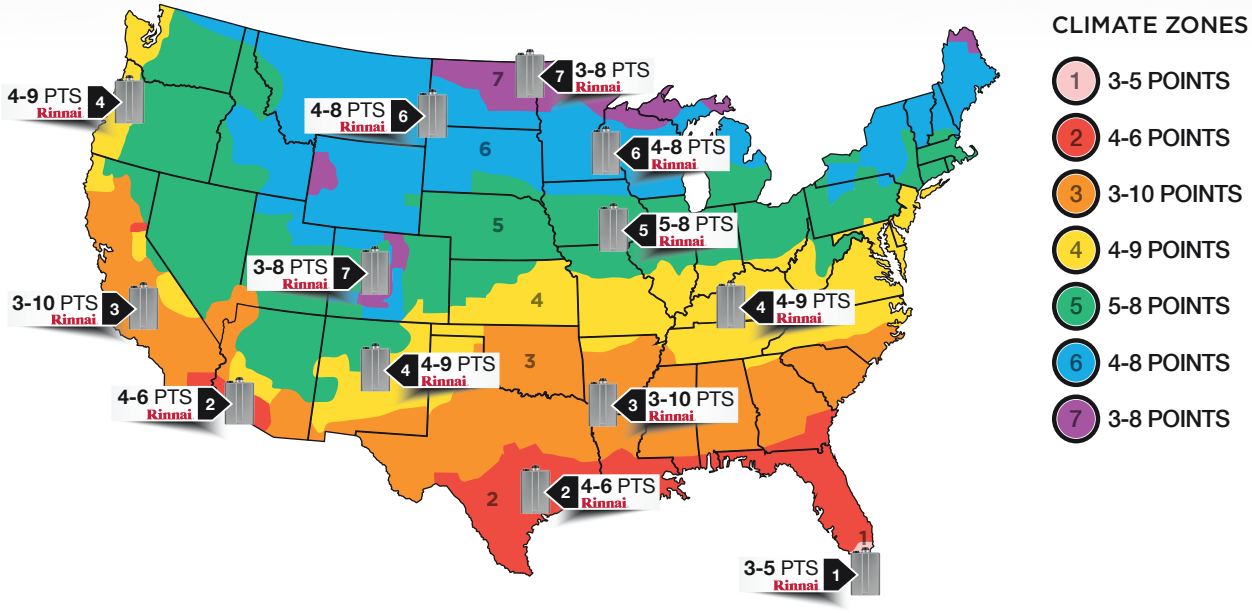
Part Number	Description	Series
GTK15	Grundfos® Pump with Timer Kit for Rinnai Circ-Logic Enabled Models	Ultra/ Luxury
804000074	Condensate Neutralizer Kit for Condensing Tankless Models	Ultra
PC-20-W	Pipe Cover Enclosure for Model V53e	Value
PCD03-EWV	Pipe Cover Enclosure (Euro White)	Value (V65 / V75)
PCD03-SM2	Pipe Cover Enclosure	Luxury
PCD07-SM	Pipe Cover Enclosure	Ultra
RGB-20U	Universal Tankless Recess Box for Model V53e	Value
RGB-25U-C	Universal Tankless Recess Box for Models RL94e, RL75e, V75e, V65e (VA, VB, VC)	Luxury/ Value
RGB-CTWH-2	Tankless Recess Box for Condensing Models	Ultra
RGB-25-MSAL-C	Moisture Seal Recess Box	Luxury
REU-MSB-M	Multi-Unit Controller Master Unit	Ultra/ Luxury
REU-MSB-C1	Cable to Connect Ultra and Luxury Series Water Heaters	Ultra/ Luxury
REU-MSB-C2	Cable to Connect MSB-M Control Units	Ultra/ Luxury
REU-EZC-1US	EZConnect® Cable for Connecting 2 Units	All

RINNAI TANKLESS WATER HEATERS HOT WATER FLOW CURVE



Tankless water heater output is based on delta T which is the difference between the incoming water temperature and the requested output temperature. This chart is used along with other factors to help size the Rinnai Tankless model for your application.

HERS SCORES IMPROVE WITH RINNAI TANKLESS WATER HEATERS



The Home Energy Rating System (HERS) Index is the industry standard by which a home's energy efficiency is measured. A lower HERS Index Score means a more energy efficient home, which means lower energy costs.

Data analysis conducted by independent third party HERS rater compares traditional electric and gas residential storage tank water heaters to Rinnai's Condensing and Non-Condensing Tankless Water Heaters. Consult and validate your specific application with a local HERS rater.

For more information specific to your zone or city, visit www.hersindex.com.

A tradition of
TRUE RELIABILITY.

For nearly 100 years, we at Rinnai have been fiercely committed to delivering nothing less than a superior experience at every touch point.

Beyond manufacturing the highest quality products, our people stand behind all that we make—before, during and long after installation. From the 24/7/365 technical support for professionals, to our national network of independent installers for homeowners, to on-staff engineers who can assist with choosing the right products and sizes—we're inspiring confidence right along with the comfort our solutions provide.

Rinnai®

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

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Rinnai America Corporation • 103 International Drive, Peachtree City, GA 30269
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