

**Rinnai**  
TANKLESS WATER HEATERS

# endless

advances for your customers



WATER HEATING SOLUTIONS FOR BUILDERS

# endless advantages



## Less space for heating, more space for living

Only the size of a small suitcase, our wall-mounted models can be installed on indoor or outdoor walls and in compact spaces. Thanks to new efficiency guidelines, traditional tanks have become even larger and require two people to transport. **Our tankless units can be carried by one person, making them easier to install in less space.**

## Build greener and cleaner

Our efficient and compact technology helps conserve natural resources while producing less waste in landfills. And with higher standards for lower CO<sub>2</sub> emissions, your owners can breathe easier, too.

## Make a smart upgrade standard in your new homes

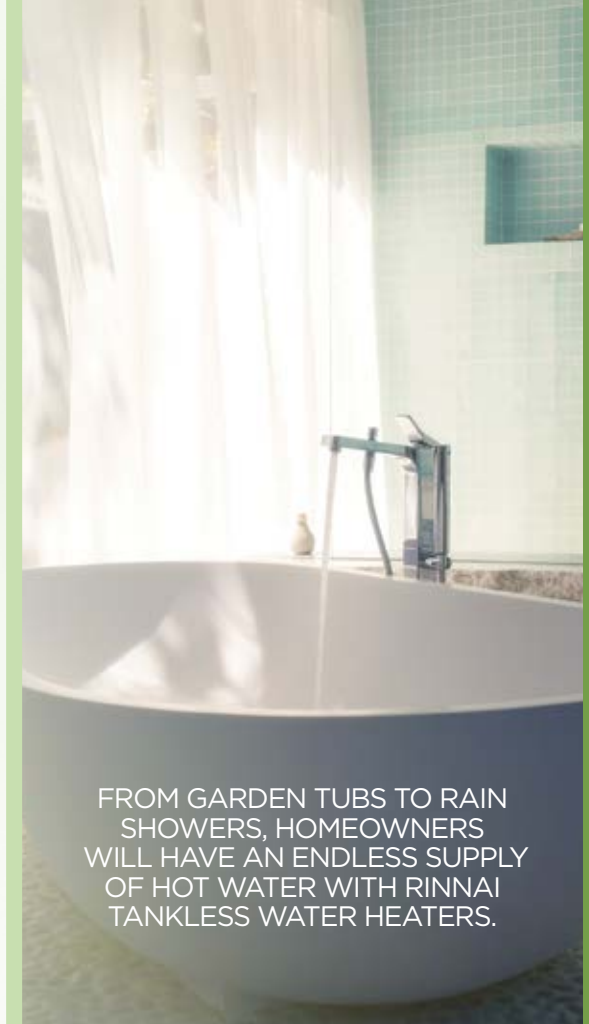
New-construction homes are designed for tankless units, so they're less expensive to install than in existing homes. **Plus, the upgrade saves up to 40% in energy costs,\* making it virtually free to the homeowner.** Spread over monthly mortgage payments, an estimated \$800 upgrade adds only \$4 a month, which is often far less than the monthly energy savings. A relatively small upgrade to tankless in a new home saves homeowners a lot of money in the long run.

## Why build your homes with Rinnai systems?

- Increase savings with ENERGY STAR® certified tankless water heaters that operate more efficiently on demand to provide an endless supply of hot water
- A great smart-home upgrade including Wi-Fi-ready technology
- High-performance heat exchanger offers unparalleled durability
- Free up space with compact designs that can be installed indoors or out
- Uses up to 40% less energy\*
- Improves Home Energy Rating (HERS) Index scores
- Contributes toward Leed Certification
- Title 24 compliant in California

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

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FROM GARDEN TUBS TO RAIN SHOWERS, HOMEOWNERS WILL HAVE AN ENDLESS SUPPLY OF HOT WATER WITH RINNAI TANKLESS WATER HEATERS.

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## The smart choice is the #1 choice

There is no better option than installing Rinnai tankless technology in your residential construction. Our commitment to quality has made us the #1 selling tankless water heating brand in North America. Your buyers deserve nothing less.

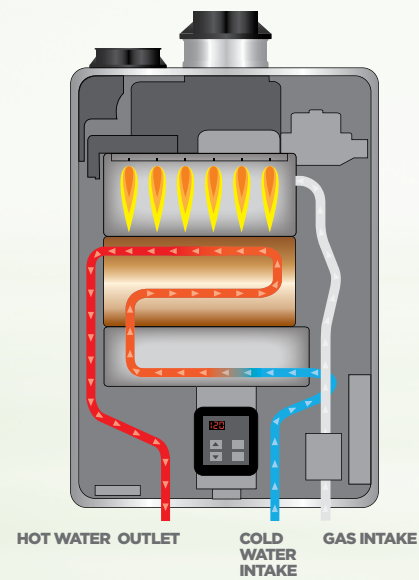


# Tankless vs. Tank

When you explain the advantages of a tankless system compared with a tank system to your customers, from energy and space efficiency to home safety, they'll see that there really is no comparison.

## 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 outlet pipe 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
- In the event of tank failure, large amounts of stored water can cause extensive damage to the home



## WATER HEATER OPERATING COST COMPARISON

TANK 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	\$658
STANDARD 50-GALLON ELECTRIC STORAGE TANK	ELECTRICITY	0.95	\$555
TANKLESS TECHNOLOGY	FUEL TYPE/ENERGY SOURCE	EF (ENERGY FACTOR)	ANNUAL OPERATING COSTS*
HIGH-EFFICIENCY NON-CONDENSING TANKLESS	NATURAL GAS	0.82	\$199
HIGH-EFFICIENCY NON-CONDENSING TANKLESS	PROPANE	0.82	\$482
SUPER-HIGH-EFFICIENCY CONDENSING TANKLESS	NATURAL GAS	0.96	\$170
SUPER-HIGH-EFFICIENCY CONDENSING TANKLESS	PROPANE	0.96	\$412

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

For training on Rinnai Tankless Water Heaters, visit our online Learning Management Resource at [rinnai-lms.com](http://rinnai-lms.com).

# endless innovation

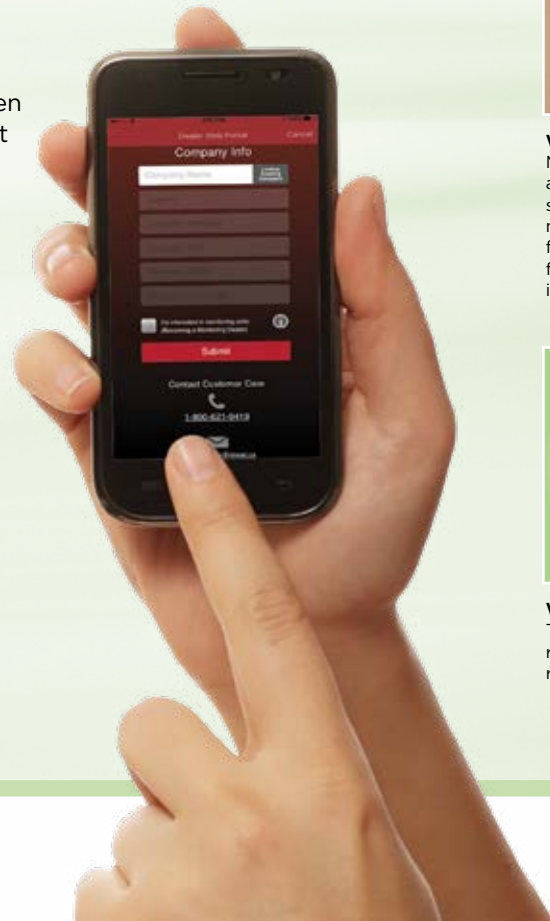


## The Rinnai Control-R™ Wireless Module for Demand Recirculation

Rinnai has designed the wireless demand recirculation system with you in mind. It is flexible, easy to install, and provides robust performance for delivering hot water on demand. Simply put, you don't need to run wires to each fixture. The homeowner can even pair accessories directly with the Rinnai Control-R™ even without connecting to a wireless network.

### KEY BENEFITS:

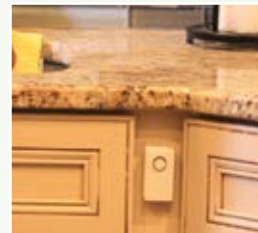
- **On-demand hot water:** Only when you want it, where you want it, at the push of a button
- **Title 24 compliant:** Meets California Energy Commission's Title 24 requirements
- **Wireless control:** No need to run wires to each fixture and faucet



### AVAILABLE ACCESSORIES FOR WIRELESS DEMAND RECIRCULATION



**Control-R™ Wi-Fi Module**  
Attaches easily to the Rinnai Tankless Water Heater by a two-wire interface (turns recirculation on/off)



**Wireless Push Button**  
Mounted near the point of use, like a kitchen faucet or bathroom sink, and operates the recirculation system (turns on/off)



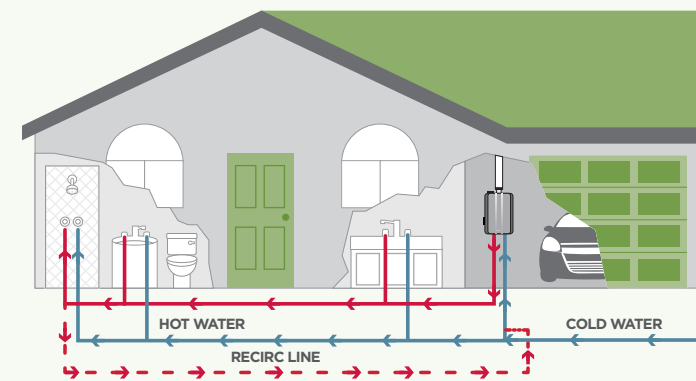
**Wireless Motion Sensor**  
Mounted near the point of use and operates the recirculation system with the detection of motion and designed to detect full-body movement up to 30 feet (turns recirculation on/off in five minutes)



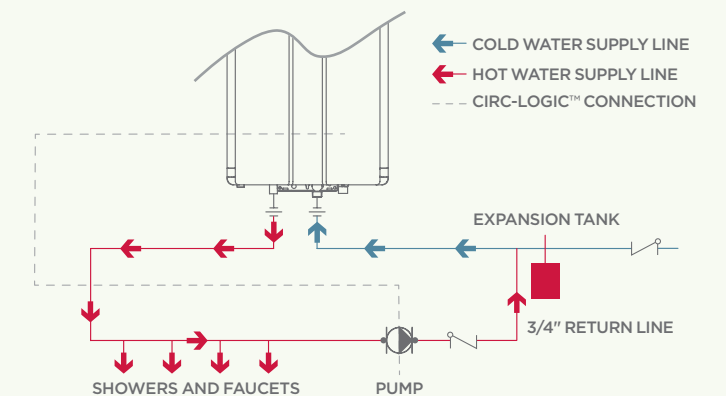
**Wireless Temperature Sensor**  
The sensor turns off the recirculation and is available if required by local building codes

# Recirculation technology

Rinnai Circ-Logic™ recirculation technology allows 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. Circ-Logic™ comes standard on most SE, SE+ and HE+ Series models, offering unique solutions when paired with Rinnai accessories.



### RECIRCULATION USING ONE RINNAI TANKLESS WATER HEATER



## New construction

With new homes, installing a dedicated return line is relatively simple, as you can incorporate the installation into the construction schedule along with the other plumbing installations.

[LEARN MORE ABOUT THERMACIRC360™ >](#)



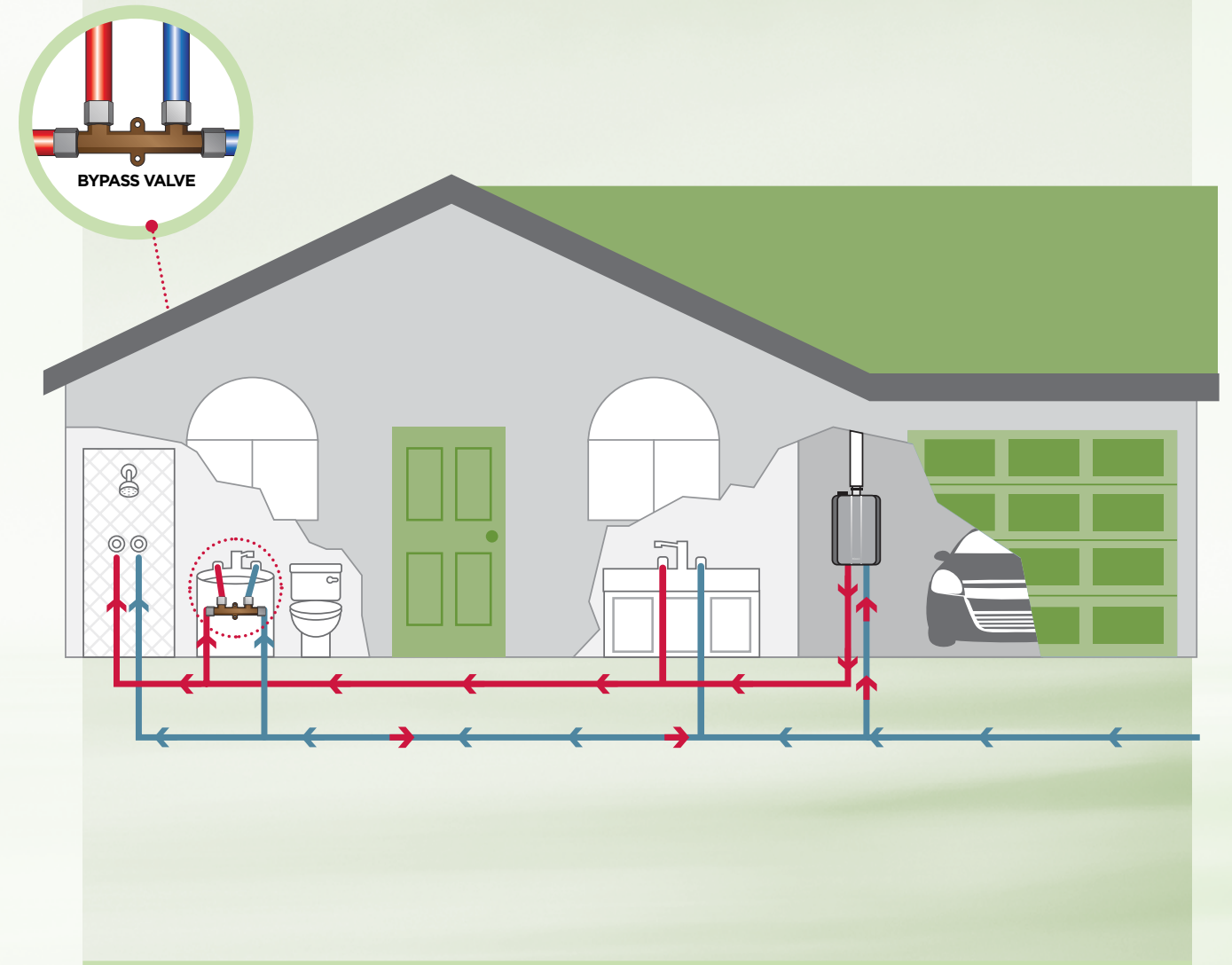


**ThermaCirc360™**  
Wait less. Waste less.

# No dedicated return line? No problem.

## ThermaCirc360™

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



### THERMACIRC360™ INCLUDES:

- Bypass technology
- Timer
- Circ-Logic™ recirculation technology
- Internal pump
- Bypass valve

Regardless of the plumbing configuration, Rinnai can now provide faster hot water at your customer's faucet.



# endless installation options

## Multiple venting options for condensing models

The Rinnai SE and SE+ Series models 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.

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)
Dual 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)

\*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.

## INTAKE AND EXHAUST OPTIONS

### CONCENTRIC VENTING



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

### PVC/CPVC CONFIGURATIONS

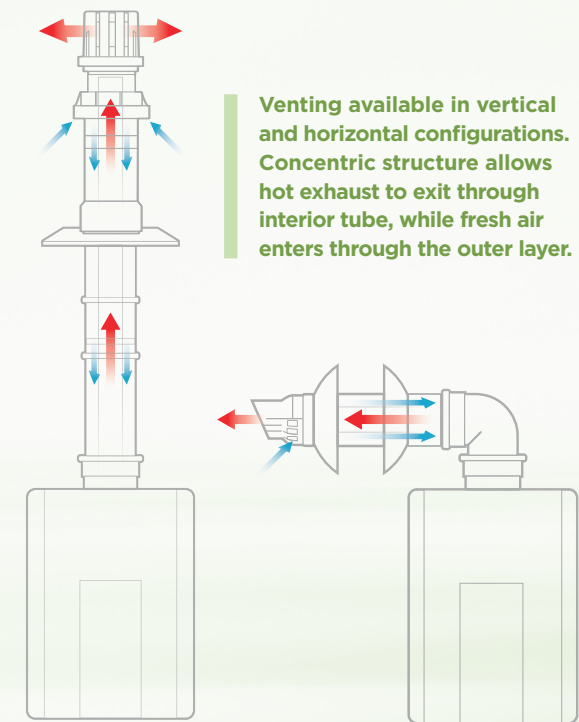


For PVC/CPVC configurations, the intake cap is removed and discarded. With this option, installers can use 3- or 4-inch PVC/CPVC pipe for the intake and exhaust.



## Optimized concentric venting for non-condensing models











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.



## Gas line sizes — 1/2" line not a problem

Rinnai Tankless Water Heaters are designed to always provide maximum performance and operating efficiency using either a 1/2" or 3/4" gas line, as long as sufficient gas flow is available. Our innovative technology will cease operation if it detects inadequate gas flow to avoid compromising performance and efficiency.

# 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 )
EFFICIENCY RATING	82%	82%	93%	95% - 96%	95% - 96%
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)					✓

MODEL CHART AND SPECIFICATIONS  
**HIGH-EFFICIENCY (NON-CONDENSING) TANKLESS WATER HEATERS**

HE Series



MODEL	V94i	V94e	V94Xi	V75i	V75e	V65i	V65e	V53e
<b>DIMENSIONS - W, H, D INCHES (MM)</b>	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)	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)
<b>WEIGHT (LBS / KG)</b>	46.3 / 21.0	44.3 / 20.1	46.3 / 21.0	45.6 / 20.7	43.6 / 19.8	45.6 / 20.7	43.6 / 19.8	34 / 15.4
<b>INSTALLATION TYPE</b>	INDOOR	OUTDOOR	INDOOR	INDOOR	OUTDOOR	INDOOR	OUTDOOR	OUTDOOR
<b>MIN./MAX. BTU (NATURAL GAS)</b>	10,300/199,000	10,300/199,000	10,300/192,000	10,300/180,000	10,300/180,000	10,300/150,000	10,300/150,000	19,000/120,000
<b>MIN./MAX. BTU (PROPANE)</b>	10,300/199,000	10,300/199,000	N/A	10,300/180,000	10,300/180,000	10,300/150,000	10,300/150,000	20,200/120,000
<b>ENERGY FACTOR</b>	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
<b>TEMP. RANGE RESIDENTIAL</b>	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	98° – 140°F / 37° – 60°C	98° – 140°F / 37° – 60°C	120° – 140°F / 49° – 60°C
<b>TEMP. RANGE COMMERCIAL</b>	RESIDENTIAL ONLY						RESIDENTIAL ONLY	
<b>MIN. ACTIVATION RATE</b>	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)	0.6 GPM (2.3 LPM)
<b>FLOW RATE (70°/50° TEMP. RISE)</b>	4.7 / 6.6 (17.8 / 25.0)	4.7 / 6.6 (17.8 / 25.0)	4.5 / 6.4 (17.03 / 24.2)	4.3 / 6.0 (16.3 / 22.7)	4.3 / 6.0 (16.3 / 22.7)	3.6 / 5.0 (13.6 / 18.9)	3.6 / 5.0 (13.6 / 18.9)	2.8 / 4.0 (13.6 / 18.9)
<b>HOT WATER FLOW RATE RANGE</b>	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)	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)
<b>CONTROLLER (STANDARD)</b>	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	STATUS MONITOR
<b>CONTROLLERS (OPTIONAL)</b>	MC-100-1, BC-100V-1					MC-100-1, BC-100V-1		MC-91-2US
<b>ULTRA LOW NOx</b>	NO	YES	YES	YES	YES	YES	YES	NO
<b>WARRANTY (RESIDENTIAL)*</b>	LIMITED 10-YEAR ON HEAT EXCHANGER, 5-YEAR ON PARTS, 1-YEAR ON LABOR						LIMITED 10-YEAR ON HEAT EXCHANGER, 5-YEAR ON PARTS, 1-YEAR ON LABOR	
<b>WARRANTY (COMMERCIAL)*</b>	RESIDENTIAL ONLY						RESIDENTIAL ONLY	
<b>MOBILE HOME CERTIFIED</b>	YES	YES	YES	YES	YES	YES	YES	YES
<b>VALVES SHIPPED IN BOX</b>	NO	NO	NO	NO	NO	NO	NO	NO
<b>HIGH ALTITUDE APPROVED</b>	UP TO 10,200 FT. (3,109 M)						UP TO 10,200 FT. (3,109 M)	
<b>CERTIFICATIONS</b>	AHRI AND CSA						AHRI AND CSA	
<b>VENTING OPTIONS</b>	CONCENTRIC	N/A	CONCENTRIC	CONCENTRIC	N/A	CONCENTRIC	N/A	N/A









HE Series High-efficiency (Non-condensing) Tankless Water Heaters are not standard on TRS  
 HE Series High-efficiency (Non-condensing) Tankless Water Heaters are 1/2-inch gas line compatible  
 HE Series High-efficiency (Non-condensing) Tankless Water Heaters are Wi-Fi ready

\*Purchase and installation of isolation valve kits increases heat exchanger warranty to 12 years. For complete information and details regarding Rinnai's warranty, visit rinnai.us.



MODEL CHART AND SPECIFICATIONS  
HIGH-EFFICIENCY (NON-CONDENSING) TANKLESS WATER HEATERS

MODEL CHART AND SPECIFICATIONS  
SUPER-HIGH-EFFICIENCY (CONDENSING) TANKLESS WATER HEATERS

HE+ Series				SE Series					
									
<b>MODEL</b>	<b>R194i</b>	<b>RLX94i</b>	<b>R194e</b>	<b>R175i</b>	<b>R175e</b>	<b>RUCS75i</b>	<b>RUS75e</b>	<b>RUCS65i</b>	<b>RUS65e</b>
<b>DIMENSIONS - W, H, D INCHES (MM)</b>	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)	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)
<b>WEIGHT (LBS / KG)</b>	46.3 / 21.0	46.3 / 21.0	44.3 / 20.1	45.6 / 20.7	43.6 / 19.8	57.3 / 26	57.3 / 26	57.3 / 26	57.3 / 26
<b>INSTALLATION TYPE</b>	INDOOR	INDOOR	OUTDOOR	INDOOR	OUTDOOR	INDOOR	OUTDOOR	INDOOR	OUTDOOR
<b>MIN./MAX. BTU (NATURAL GAS)</b>	10,300/199,000	10,300/192,000	10,300/199,000	10,300/180,000	10,300/180,000	10,300/160,000	10,300/160,000	10,300/160,000	10,300/130,000
<b>MIN./MAX. BTU (PROPANE)</b>	10,300/199,000	N/A	10,300/199,000	10,300/180,000	10,300/180,000	10,300/160,000	10,300/160,000	10,300/160,000	10,300/130,000
<b>ENERGY FACTOR</b>	0.82	0.82	0.82	0.82	0.82	0.93	0.93	0.93	0.93
<b>TEMP. RANGE RESIDENTIAL</b>	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	120° – 140°F / 49° – 60°C	120° – 140°F / 49° – 60°C	120° – 140°F / 49° – 60°C	120° – 140°F / 49° – 60°C
<b>TEMP. RANGE COMMERCIAL</b>	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**	RESIDENTIAL ONLY	RESIDENTIAL ONLY	RESIDENTIAL ONLY	RESIDENTIAL ONLY
<b>MIN. ACTIVATION RATE</b>	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)	0.4 GPM (1.5 LPM)	0.4 GPM (1.5 LPM)
<b>FLOW RATE (70°/50° TEMP. RISE)</b>	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)	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)
<b>HOT WATER FLOW RATE RANGE</b>	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)	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)
<b>CONTROLLER (STANDARD)</b>	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	STATUS MONITOR	STATUS MONITOR	STATUS MONITOR	STATUS MONITOR
<b>CONTROLLERS (OPTIONAL)</b>	MC-100-1, BC-100V-1, MC-195T-US, MCC-91-2					MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US
<b>ULTRA LOW NOx</b>	NO	YES	YES	YES	YES	YES	YES	YES	YES
<b>WARRANTY (RESIDENTIAL)*</b>	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			
<b>WARRANTY (COMMERCIAL)*</b>	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
<b>MOBILE HOME CERTIFIED</b>	YES	YES	YES	YES	YES	YES	YES	YES	YES
<b>VALVES SHIPPED IN BOX</b>	YES	YES	YES	YES	YES	NO	NO	NO	NO
<b>HIGH ALTITUDE APPROVED</b>	UP TO 10,200 FT. (3,109 M)					UP TO 5,400 FT. (1,646 M)			
<b>CERTIFICATIONS</b>	AHRI AND CSA					AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®	AHRI, CSA, ENERGY STAR®
<b>VENTING OPTIONS</b>	CONCENTRIC	CONCENTRIC	N/A	CONCENTRIC	N/A	CONCENTRIC OR PVC/CPVC	N/A	CONCENTRIC OR PVC/CPVC	N/A
<b>TANKLESS RACK SYSTEM™ (TRS/TRW) COMPATIBLE</b>	NOT STANDARD	NOT STANDARD	NOT STANDARD	NOT STANDARD	NOT STANDARD	NO	NO	NO	NO
<b>1/2" GAS LINE COMPATIBLE***</b>	YES	YES	YES	YES	YES	YES	YES	YES	YES
<b>WI-FI READY</b>	YES	YES	YES	YES	YES	YES	YES	YES	YES

\* For complete information and details regarding Rinnai's warranty, visit rinnai.us.  
\*\* To achieve temperatures over 140° F (60° C), an MCC-91 commercial controller must be purchased separately.

\*\*\* For complete information on gas sizing for Rinnai Tankless Water Heaters, consult the Operation and Installation Manual. Based on DOE first hour test (IOCFR, Part 430).

MODEL CHART AND SPECIFICATIONS  
**SUPER-HIGH-EFFICIENCY (CONDENSING) TANKLESS WATER HEATERS**

**SE+ SERIES**



MODEL	RUC98i	RUC90i	RUC80i	RU98e	RU90e	RU80e	RUR98i	RUR98e
<b>DIMENSIONS - W, H, D INCHES (MM)</b>	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)	18.5 X 26 X 10 (469.9 X 660.4 X 254)
<b>WEIGHT (LBS / KG)</b>	61.7 / 28.0	61.7 / 28.0	61.7 / 28.0	61.7 / 28.0	61.7 / 28.0	61.7 / 28.0	72.8 / 33	72.8 / 33
<b>INSTALLATION TYPE</b>	INDOOR	INDOOR	INDOOR	OUTDOOR	OUTDOOR	OUTDOOR	INDOOR	OUTDOOR
<b>MIN./MAX. BTU (NATURAL GAS)</b>	15,200/199,000	15,200/180,000	15,200/152,000	15,200/199,000	15,200/180,000	15,200/152,000	15,200/199,000	15,200/199,000
<b>MIN./MAX. BTU (PROPANE)</b>	15,200/199,000	15,200/180,000	15,200/152,000	15,200/199,000	15,200/180,000	15,200/152,000	15,200/199,000	15,200/199,000
<b>ENERGY FACTOR</b>	0.95	0.96	0.96	0.95	0.96	0.96	0.95	0.95
<b>TEMP. RANGE RESIDENTIAL</b>	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	98° – 140°F / 37° – 60°C	98° – 140°F / 37° – 60°C	98° – 140°F / 37° – 60°C
<b>TEMP. RANGE COMMERCIAL</b>	98° – 185°F / 37° – 85°C**	98° – 185°F / 37° – 85°C**	98° – 185°F / 37° – 85°C**	98° – 185°F / 37° – 85°C**	98° – 185°F / 37° – 85°C**	98° – 185°F / 37° – 85°C**	98° – 140°F / 37° – 60°C	98° – 140°F / 37° – 60°C
<b>MIN. ACTIVATION RATE</b>	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)	0.4 GPM (1.5 LPM)
<b>FLOW RATE (70°/50° TEMP. RISE)</b>	5.5 / 7.7 (20.9 / 29.2)	5.0 / 7.0 (18.9 / 26.5)	4.2 / 5.9 (15.9 / 22.3)	5.5 / 7.7 (20.8 / 29.2)	5.0 / 7.0 (18.9 / 26.5)	4.2 / 5.9 (15.9 / 22.3)	5.5 / 7.7 (20.8 / 29.2)	5.5 / 7.7 (20.8 / 29.2)
<b>HOT WATER FLOW RATE RANGE</b>	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 – 30.0 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)	0.26 – 9.8 GPM (0.98 – 37.1 LPM)	0.26 – 9.8 GPM (0.98 – 37.1 LPM)
<b>CONTROLLER (STANDARD)</b>	INTEGRATED	INTEGRATED	INTEGRATED	MC-91-2US	MC-91-2US	MC-91-2US	MC-195T-US	MC-195T-US
<b>CONTROLLERS (OPTIONAL)</b>	MC-195T-US, MC-100V-1US, BC-100V-1US, MCC-91-2US	MC-91-2US, MC-100V-1US, BC-100V-1US, MCC-91-2US	MC-91-2US, 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-195T-US, MC-100V-1US, BC-100V-1US, MCC-91-2US	MC-91-2US	MC-91-2US
<b>ULTRA LOW NOx</b>	YES	YES	YES	YES	YES	YES	YES	YES
<b>WARRANTY (RESIDENTIAL)*</b>	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 (5-YEAR OPTIONAL ON LABOR)		
<b>WARRANTY (COMMERCIAL)*</b>	LIMITED 5-YEAR ON HEAT EXCHANGER, 5-YEAR ON PARTS, 1-YEAR ON LABOR (2-YEAR OPTIONAL ON LABOR)					LIMITED 5-YEAR ON HEAT EXCHANGER, 5-YEAR ON PARTS, 1-YEAR ON LABOR (2-YEAR OPTIONAL ON LABOR)		
<b>MOBILE HOME CERTIFIED</b>	YES	YES	YES	YES	YES	YES	YES	YES
<b>VALVES SHIPPED IN BOX</b>	YES	YES	YES	YES	YES	YES	YES	YES
<b>HIGH ALTITUDE APPROVED</b>	UP TO 10,200 FT. (3,109 M)					UP TO 10,200 FT. (3,109 M)		
<b>CERTIFICATIONS</b>	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®	AHRI, CSA, ENERGY STAR®
<b>VENTING OPTIONS</b>	CONCENTRIC OR PVC/CPVC	CONCENTRIC OR PVC/CPVC	CONCENTRIC OR PVC/CPVC	N/A	N/A	N/A	CONCENTRIC OR PVC/CPVC	N/A
<b>TANKLESS RACK SYSTEM™ (TRS/TRW) COMPATIBLE</b>	YES	NO	NO	YES	NO	NO	NO	NO
<b>1/2" GAS LINE COMPATIBLE***</b>	YES	YES	YES	YES	YES	YES	YES	YES
<b>WI-FI READY</b>	YES	YES	YES	YES	YES	YES	YES	YES

\* For complete information and details regarding Rinnai's warranty, visit rinnai.us.  
 \*\* To achieve temperatures over 140° F (60° C), an MCC-91 commercial controller must be purchased separately.

\*\*\* For complete information on gas sizing for Rinnai Tankless Water Heaters, consult the Operation and Installation Manual. Based on DOE first hour test (IOCFR, Part 430).



## 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
- We manufacture all Rinnai components and parts
- 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)

## We've got your back

Along with our national network of dealers, our products are backed by the best warranty in the business. The warranty coverage includes 6 years for the heat exchanger, 5 years parts, and 1 year labor, extended to 2 years when registered within 30 days of purchase. In other words, we've got you covered.

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](http://rinnai.us) | [rinnai.ca](http://rinnai.ca)

**Rinnai**  
TANKLESS WATER HEATERS

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