



Rinnai®

THE RINNAI LUXURY SERIES TANKLESS WATER HEATERS

ENERGY-EFFICIENT HOT WATER NEVER LOOKED SO GOOD

WHOLE-HOUSE AND COMMERCIAL TANKLESS WATER HEATING SOLUTIONS

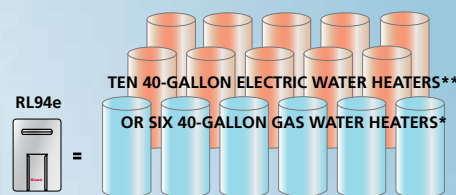


why tankless?

at a glance

Hot water supply maintains consistent, safe temperature.

One Rinnai unit delivers 240 gallons or more per hour with no recovery time.



Based on 77° Rise, * Based on a 34,000 BTU input.

** Based on 4,500 Watt elements.

WHOLE-HOUSE SIMULTANEOUS BATH USE – SIZING CHART

Model	Ground Water Temperature	
	Summer Season – 70° F	Winter Season – 50° F
RL75i/e		
RL94i/e		

- Customer has the option of using the following appliances instead of a shower: residential grade clothes washing machines or dishwashers.
- Shower heads assumed to be 2.5 GPM mixed flow rate or less. If custom shower fixtures i.e. body sprays, large rain heads, or tubs over 60 gallons in capacity are used, please contact Rinnai.
- Bathroom sink faucets assumed to be 2 GPM mixed flow rate or less.
- Assumed mixed temperature on shower heads and bathroom sink faucets to be 104° F.
- Assumed Rinnai set point to be 120° F.
- Assumed 50 psi - 80 psi inlet water pressure for maximum flow.

¹ ESTIMATED ANNUAL ENERGY COST COMPARISON

Costs less to operate on an annual basis.

Rinnai RL94i	\$225
40-Gallon GasTank**	\$307
40-Gallon Electric Tank**	\$576

* Based Upon U.S. Energy Information Administration average prices for natural gas and electricity (YTD through Oct. 2011)

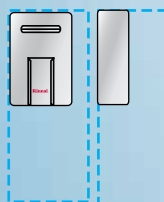
** Based on ACEEE Conventional Storage EF of .60 for gas, and .90 for electric

² TANKLESS VS. TANK COMPARISON

Significant space savings over conventional tank water heaters.

Dimensions:
14" W x 26" H x 10" D vs
approx. 20" Dia. x 47" H

Space Savings:
Avg. 12-16 sq. ft.
Wall mounted
vs 40-gallon tank



Enjoy a Continuous Supply of Hot Water!

At Rinnai, we've made tankless water heating the smart way to deliver a continuous supply of hot water anywhere in your home. Efficient, convenient and affordable, Rinnai Luxury Series units deliver more than 40% energy savings¹, significant space savings², and the luxury of fresh, clean hot water for all your plumbing demands.

Heat Water Only When You Need It.

Rinnai Tankless Water Heaters use natural gas or propane to heat water only when needed. When water flow is detected, the unit begins heating water as it passes through the copper heat exchanger. When the demand for water ceases, the tankless unit shuts down, using no gas or electricity while idle.

Because of its tankless design, the Rinnai unit captures up to 84% of the heat energy, making it highly efficient and cost effective. With its revolutionary advantage over inefficient tank-style heaters, the Rinnai Luxury Series is more efficient when it's on – and off when it's off.

Space-Saving Design Fits Any Home Perfectly.

Whether you're building a spacious new home – complete with luxurious spa bath and body spray system – or remodeling an older home, Luxury Series units can be used individually, in pairs, or in banks of three or more to supply all your hot water needs. Place interior-mount units in any room and vent directly to the outside, saving up to 16 square feet of valuable floor space over a tank-style water heater. Or install the unit on your home's exterior with no additional venting, using a recessed enclosure that can be painted or textured to match your home's construction.



Standard Luxury Series vs Other Tankless	Rinnai	Other Tankless
Direct-Vent Sealed Combustion	✓	No
Concentric Vent (One Penetration)	✓	Limited
Lowest Min. Btu Input (10,300)	✓	No
12-Year Heat Exchanger/5 Years Labor Warranty [†]	✓	No
24/7/365 Technical Support	✓	Limited

[†] **Residential:** 12 years heat exchanger, 5 years parts, and 1 year labor (5 years labor if registered with Rinnai within 30 days of purchase).

Commercial: 5 years heat exchanger, 5 years parts, 1 year labor (2 years labor if registered with Rinnai within 30 days of purchase).



Rinnai has ENERGY STAR® qualified models available. Rinnai is committed to making energy efficient products that help consumers and businesses save money and protect the environment.

the Luxury Series

an endless supply of hot water for any home



Get Hot Water Your Way.

A choice of digital controllers lets you customize your hot water experience to suit your usage and life style. Get precise control of water temperature, and enjoy complete comfort, safety and peace of mind.

With Rinnai's Circ-Logic™ program, you also save money on your recirculation system, ensuring you always have "instant" hot water, while also conserving energy. By telling your circulation pump when to operate, at pre-set intervals and temperatures, you eliminate the added expense of a timer and use less energy to keep the recirculation loop warm.

Longer Life – and Unbeatable Support.

With their commercial-grade heat exchangers, Luxury Series units deliver long-lasting performance in both residential settings and commercial applications. Homeowners enjoy the durability of commercial-grade construction, while commercial users get cost savings and access to a nationwide network of more than 2,000 wholesale locations.

What's more, each unit is backed by the most extensive group of support professionals in the business. Rinnai's nationwide network of over 20,000 trained and registered installers ensures a trouble-free installation and reliable after-the-sale support.



RL94i (VC)

Key Features of the Luxury Series

- Up to 40% energy savings¹
- Capacity to supply continuous hot water simultaneously to multiple plumbing fixtures
- Sleek, sculpted design delivers significant space savings²
- Commercial-grade heat exchanger
- Industry-leading activation rate of 0.4 GPM to accommodate low flow fixtures
- Up to 12-year heat exchanger limited warranty (5 years commercial use), 5 years labor and parts.



commercial

Rinnai®

commercial applications



Commercial Applications

- Restaurants
- Car Washes, Laundromats
- Schools, Colleges and Universities
- Public Facilities and Event Venues
- Hotels and Motels
- Nursing Homes
- Industrial Facilities



RL75e (VC)

Commercial Quality at Your Fingertips

Both commercial and residential customers benefit from the advanced heat exchanger design of the Luxury Series. Thanks to extensive research and rigorous high-temperature reliability testing, the Luxury Series delivers unsurpassed reliability and durability.

What's more, the dual-use heat exchanger affords commercial customers a benefit unique to Rinnai: the ability to access a commercial-grade water heater at any of Rinnai's more than 2,000 distribution outlets. So, when emergencies occur and a replacement water heater is needed immediately, your business can recover quickly to peak performance.



Additional Commercial Features and Benefits:

- Multi-unit options: EZConnect® cable (for 2 units) or MSB control system (for up to 25 units) allow units to be used in combination and in rotation, to avoid wearing out the first unit in a manifolded series
- Rinnai's concentric venting system means zero clearance, sealed combustion, and single roof or wall penetration for safety and ease of installation
- Nine temperature increments above 140° F for greater flexibility

Contact Rinnai Applications Engineers to learn more about system configurations and requirements.



Full service restaurant gains extra mechanical room square footage for additional storage plus redundancy by installing multiple units on the exterior wall.



At this 40-room hotel, exterior units are mounted on the rooftop with no additional venting. Hotel owners have experienced 50 percent reduction in therms per occupied room.



High school expands available space in mechanical room with increased efficiency and less capital expense.

endless options

flexibility + control



MC-91-2-S
Digital Controller
Built-in Interior
Unit; Standard
Digital Controller
for Exterior Unit



BC-100V-1US-S
Bath-Fill Digital
Controller



MC-100V-1-S
Deluxe Digital
Controller

New Features for 2012

- Built-in Rinnai Circ-Logic™ recirculation program** cycles an external pump at pre-set intervals and temperatures to maximize efficiency and save money
- Enhanced scale detection lessens possibility of serious, long-term damage to unit
- Leak detection shuts off water to unit to limit property damage
- Temperature lock function prevents accidental or unauthorized changes to water temperature
- Satisfies SCAQMD with requirements of less than 14 ng/J for ultra-low NOx emissions



Scale Control
System

Other benefits include

- Isolation valves included, to ensure professional and serviceable installation
- Integrated condensate collector prevents draining of condensation into unit and reduces cost of venting
- High-altitude operation: can be adjusted for use up to 10,200 ft.

**More details on back cover

Accessories

Rinnai's leading-edge technology extends beyond each Luxury Series unit to include accessories that help your tankless water heater perform to its utmost.

- **Digital controllers** – set water temperature precisely for multiple locations; automatically fill bath to pre-set temperature/volume; analyze and troubleshoot unit. (MC-91 controller built-in on interior units, included standard with all exterior units.)
- **Scale control system** – extend unit life, reduce maintenance and save energy by controlling limescale and corrosion caused by hard water.

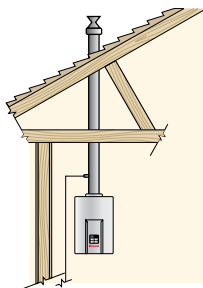
Flexible Installation

For interior installation, Rinnai units use a concentric venting system – a single vent assembly featuring an inner, metal vent for exhaust gases and an outer PVC or metal tube for bringing combustion air from outdoors. The result: a direct-vent, sealed-combustion system that offers optimum safety, performance and ease of installation.

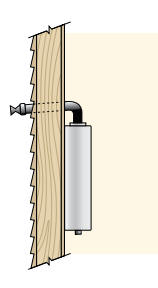
Exterior units require no additional venting and can be installed in a recessed enclosure, which can be painted or textured to match your home's siding.

Multiple Units

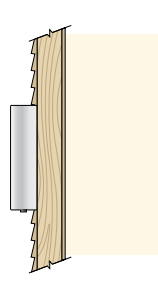
If you need more than one unit for your larger home, spa or body spray shower, Rinnai's EZConnect® feature allows you to link two units with a simple cord. For even larger applications, install with the MSB controller to connect up to 25 units in parallel.



INTERIOR ROOF OR WALL VENTING
The Rinnai can be vented vertically or horizontally.



EXTERIOR WALL-MOUNT
installations require no additional venting accessories.



CUSTOM INSTALLATIONS to blend in with the interior or to be recessed on an exterior wall of the home.

More Than 30 Million Installations Worldwide Make Rinnai #1!

At Rinnai, we've sold more tankless water heaters worldwide than anyone else. Our complete commitment to safety, quality, support and the environment has also made us #1 in the U.S. market.

Tomorrow's "Green" Technology Today



With their leading-edge technology, Rinnai tankless water heaters produce less CO₂ than conventional gas or electric tank water heaters. As Rinnai continues to innovate, creating heating and hot water products that deliver greater efficiency and reliability, we'll all benefit – with environmental preservation and energy conservation that results in a better planet for us all.



RL75e (VC)

RL75i (VC)

RL94i (VC)



Luxury Series Limited Warranty

Standard Limited Warranty (some restrictions apply) – Residential: 12 year heat exchanger, 5 year parts and 1 year labor, extended to 5 year labor when unit is registered with Rinnai within 30 days of purchase*.

Commercial: 5 year heat exchanger, 5 year parts, 1 year labor, extended to 2 year labor when unit is registered with Rinnai within 30 days of purchase*.

www.rinnai.us/warranty

*Offering of an extended 5 year labor warranty when the unit is installed in a residential application and 2 year labor warranty when the unit is installed in a commercial application if the product is registered with Rinnai within 30 days of purchase. Product registration is not required for the extended term in California, Quebec, or other jurisdictions that prohibit warranty benefits conditioned on registration. For complete warranty details, visit www.rinnai.us/warranty or call 1-800-621-9419.

HOT WATER FLOW CHART			
MODEL NO.	RL94i/e (VC)	RL75i/e (VC)	
TEMP. RISE (°F)	GPM	GPM	
100	3.3	3.0	
95	3.5	3.1	
90	3.7	3.3	
85	3.9	3.5	
80	4.1	3.7	
75	4.4	4.0	
70	4.7	4.3	
65	5.1	4.6	
60	5.5	5.0	
55	6.0	5.4	
50	6.6	6.0	
45	7.3	6.6	
40	8.3	7.5	
35	9.4	7.5	
30	9.8	7.5	
25	9.8	7.5	

Interior Residential/Commercial Models

Models available in Natural Gas or Propane	RL75i (VC)	RL94i (VC)
Dimensions	14" W x 23" H x 9.3" D	14" W x 23" H x 9.3" D
Weight	46 lbs (21 kg)	46 lbs (21 kg)
Maximum/Minimum Gas Rate (Input BTUs)	180,000/10,300 (NG/LP)	199,000/10,300 (NG/LP)
Hot Water Capacity Range	0.26 to 7.5 GPM†	0.26 to 9.8 GPM†
Energy Factor (NG and LP)	.82	.82
Temperature Range (Min - Max)		
Residential**	98° F - 140° F	98° F - 140° F
Commercial***	98° F - 160° F	98° F - 185° F
Standard Digital Controller	MC-91-2	
Optional Controller	MC-100V-1, BC100V-1, MCC-91-2	
SCAQMD Ultra Low NOx	Yes	NA

Exterior Residential/Commercial Models

Models available in Natural Gas or Propane	RL75e (VC)	RL94e (VC)
Dimensions	14" W x 23" H x 9.3" D	14" W x 23" H x 9.3" D
Weight	44 lbs (20 kg)	44 lbs (20 kg)
Maximum/Minimum Gas Rate (Input BTUs)	180,000/10,300 (NG/LP)	199,000/10,300 (NG/LP)
Hot Water Capacity Range	0.26 to 7.5 GPM†	0.26 to 9.8 GPM†
Energy Factor (NG and LP)	.82	.82
Temperature Range (Min - Max)		
Residential**	98° F - 140° F	98° F - 140° F
Commercial***	98° F - 160° F	98° F - 185° F
Standard Digital Controller	MC-91-2	
Optional Controller	MC-100V-1, BC100V-1, MCC-91-2	
SCAQMD Ultra Low NOx	Yes	Yes

** Units come with a default maximum temperature of 120° F for increased safety and code compliance. An option to increase the max temp to 140° F is also available.

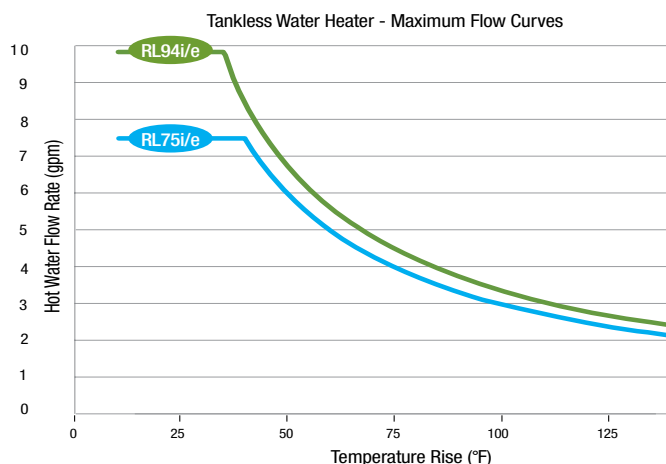
*** To achieve temperatures over 140° F, an MCC-91 commercial controller must be purchased separately.

† 0.4 GPM activation rate for Luxury Series

** Ultra Series Models (KB) – Circ-Logic™ Availability

Beginning April 2012, KB models with serial numbers higher than those listed below will ship with Circ-Logic installed. Lower serial numbers do not have Circ-Logic.

Model	Serial Number	Part Number
RL75i (VC)	—	REU-VC2528 FFUD-US (A)
RL75e (VC)	—	REU-VC2528WD-US (A)
RL94i (VC)	DB.CA-016788	—
RL94e (VC)	DC.BA-013335	—



Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to and upon installation.

FOR MORE INFORMATION ON RINNAI PRODUCTS

NC BASED & FAMILY OWNED SINCE 1930

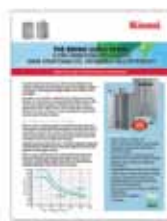


www.gbenergy.com

Advance	336.998.9748
Boone	828.262.3637
Elkin	336.835.3607
Millers Creek	336.973.2411
Mills River	828.891.7371
Pilot Mountain	336.368.3678
Sparta	336.372.4443
Statesville	704.873.4747
Weaverville	828.645.1007
fireplaces . heaters . grills . outdoor living	
tankless hot water . boilers . awnings	

OTHER RINNAI LITERATURE AVAILABLE

ULTRA SERIES CONDENSING
TANKLESS WATER HEATERS



HYDRONIC
FURNACES



DIRECT VENT
WALL FURNACES



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