

Precisely Engineered.
IRREFUTABLY TRUSTED.



Rinnai[®]

COMMERCIAL WATER HEATING SOLUTIONS

Commercial Solutions - Where The Demands Are



Nearly 100 years ago, we at Rinnai established a tradition of creating solutions that redefine quality and reliability, enhancing the way people live and improving the way businesses operate.

Leveraging decades of global commercial water heating experience, Rinnai Tankless Water Heaters deliver performance and dependability. Precision engineering with a focus on commercial demands allows Rinnai Tankless Water Heaters to produce an endless supply of hot water to suit even the most intensive applications—from restaurants to hotels to multifamily residences to schools and more—conserving energy that can save thousands of dollars in 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 services and everything in-between, our dedication to exceeding even the highest expectations drives every aspect of our business. When you choose Rinnai, you're choosing a commitment to excellence.

For more information on Commercial Water Heating Solutions, Maintenance Services and a free sizing consultation by Rinnai Applications Engineers, call 866-383-0707 or visit rinnai.us/commercial.

Greatest RINNAI DELIVERS

Trustworthy Products START WITH RELIABLE SERVICE.

At Rinnai, our commercial water heating solutions are designed and tested to deliver the utmost in performance and dependability. Before our products ever reach customers, they're rigorously tested at our on-site, CSA-certified laboratory. But just as important as engineering a sound product is offering a strong support system.

SERVICES

- Application Engineering and Sizing
- 24/7/365 Tech Support
- Rinnai Direct Preventative Maintenance Services

WARRANTY COVERAGE*

For even more peace of mind, the Rinnai Tankless Water Heater commercial warranty includes:

- 6-year heat exchanger**
- 5-year parts
- 1-year labor, extended to 2 years when registered within 30 days of purchase.

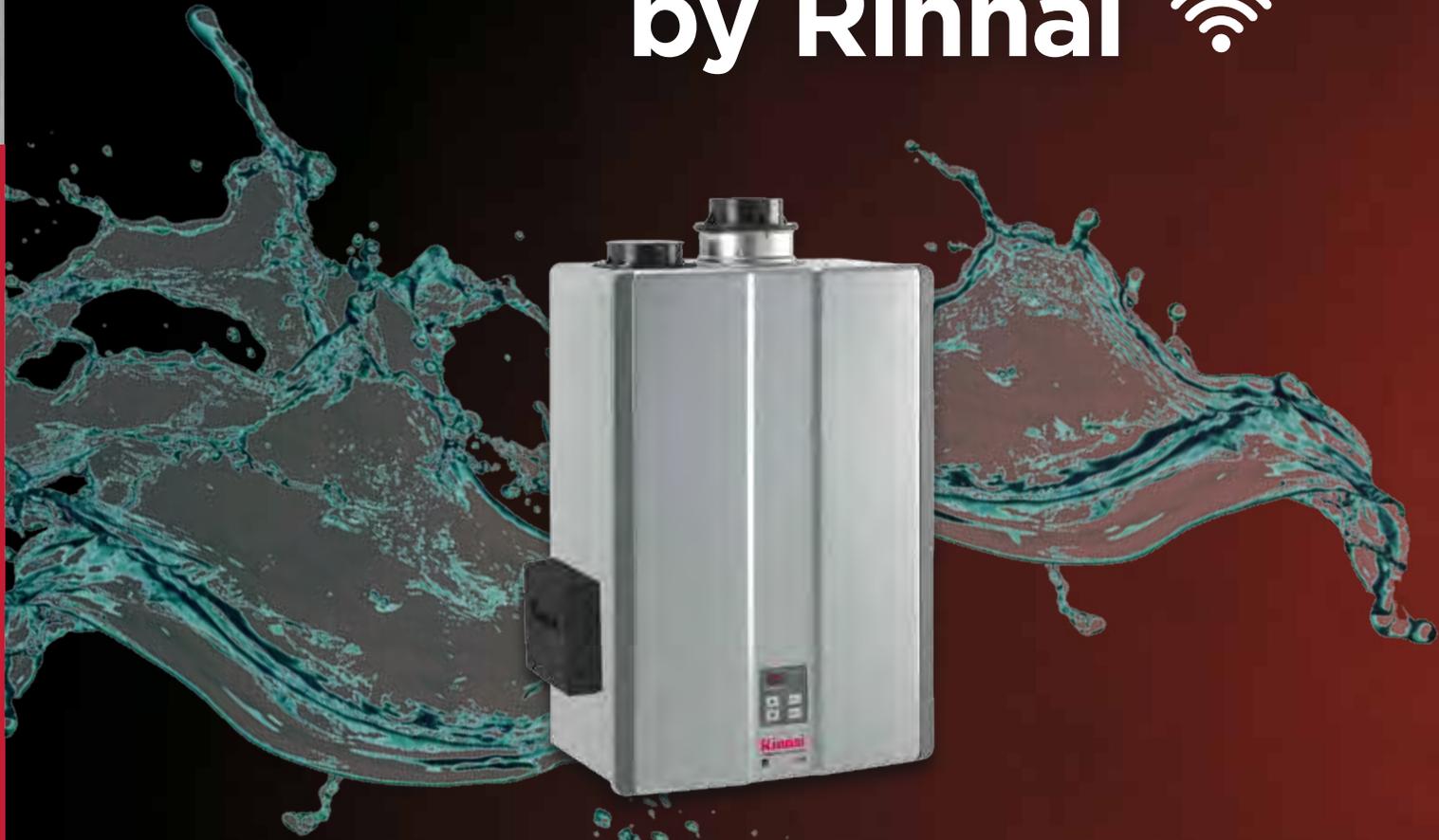
*For complete warranty details, visit rinnai.us/warranty.

**C199 and Demand Duo



Rinnai[®]

Wi-Fi CONNECTIVITY by Rinnai



SMART JUST GOT EVEN SMARTER

Since the beginning, Rinnai has continued a tradition of creating innovative solutions that enhance the way people live. And with the introduction of Rinnai's wireless module and app for gas tankless water heaters, we're taking control and flexibility to a whole new level.

By adding Wi-Fi connectivity, new and existing Rinnai Commercial and Residential Tankless Water Heaters can now be remotely monitored and controlled via smart devices, providing a never-before-available option for water heating management, control and maintenance for Tankless Water Heaters.

The Wi-Fi module and app also allow Rinnai and Rinnai independent dealers to quickly and efficiently assist customers via remote diagnostics for managing system performance, ensuring maximum comfort and convenience.

- **Control and Monitoring:** Control your tankless water heater from a smartphone or tablet to turn the system on/off, change the water temperature, monitor status, and activate the recirculation system.
- **Remote Diagnostics and Maintenance:** Give technicians detailed system information via automatic alerts and remote diagnostic tools before ever leaving their place of business, leading to shorter maintenance and repair times.
- **Accessibility and Convenience:** Get instant access to technical bulletins, warranty claims, product registration, manuals, step-by-step repair guides and more!



Rinnai C199 Commercial Condensing Tankless Water Heaters

MEAN BUSINESS.

Each Rinnai Tankless Water Heater is manufactured to be so rock-solid reliable, you can safely stake your reputation on it. And the new C199 Commercial Condensing Tankless Water Heater is no exception.

The robust C199 models come standard on the Tankless Rack System (wall mount or freestanding) as well as individual units. Available in natural gas or propane, the C199 is a dedicated commercial tankless model, precision engineered to produce an endless supply of hot water for even the most demanding applications—from restaurants to hotels to multifamily residences to schools and more. When the demands are greatest, Rinnai delivers.



C199 Benefits:

- Increase savings with Commercial ENERGY STAR® certified tankless water heaters that operate more efficiently on-demand to provide an endless supply of hot water
- Heat exchanger designed for the demands of businesses helps maximize the life of the product ensuring smooth business operations
- Safety and security through built-in redundancy (multiple units and reliability to keep your business online)
- Free up space with compact designs, that can be installed indoors or out for maximum location flexibility
- Maintenance alerts keeping equipment operating at optimal efficiency and performance
- Numerous venting options offer installation flexibility (room air option for the Tankless Rack System now available)
- Wi-Fi Ready

C199 Features:

- 96% Thermal Efficiency, Commercial ENERGY STAR® certified
- 199,000 BTU
- Ultra Low NOx compliant
- Approved for high altitude up to 10,200 ft (3,109 m)
- Indoor and outdoor models
- Integrated temperature controller that provides 98°F to 185°F, no external controller required
- Commercial warranty*: Limited 6-year on the heat exchanger, 5-year on parts, up to 2 years on labor
- Fuel conversion kits available
- Isolation valves included

*For complete warranty details, visit rinnai.us/warranty.

Rinnai®

HOT WATER HEATING'S BIG-PERFORMANCE, BUSINESS-FRIENDLY SOLUTION.

You spend your business day multi-tasking – why shouldn't your commercial hot water system do the same? Introducing the Demand Duo™ – the perfect solution for direct replacement of most traditional standard and high efficiency commercial tanks. And Rinnai backs it's nearly 100-year reputation of quality and reliability with a 6-year HEX/Tank warranty.* The all new Rinnai Demand Duo™ is a master multi-tasker you're sure to admire.

Demand and Supply

Combining the on-demand, continuous supply technology of the Rinnai C199 tankless with an energy efficient and durable 119-gallon storage tank, the Demand Duo™ provides more water-heating capacity than a traditional tank in the first hour. The result: Hot water is available to keep pace with demand – from short-period, high-spike draws, to a supply that's ready to go the distance, day in and day out.

Ultimate Efficiency

Equipped with the all new C199 Tankless Water Heater which is Commercial ENERGY STAR® certified, has 96 percent thermal efficiency, 199,000 BTU, fueled by either Natural Gas or Propane, the Demand Duo™ produces consistent water temperatures for predictably smooth business operations. Optimum performance is achieved by efficient tank recovery methods so you can count on having hot water even during reheat cycles.

Peace-of-Mind Monitoring

The effort to keep hot water availability and business uptime high doesn't stop with the hybrid system itself. The Demand Duo™ can also tie into a building management system with the DPS/MIS accessory, sending alerts when the system needs attention. In addition, the maintenance alert system on the Rinnai built-in controller provides peace-of-mind monitoring protection to put the efficiency and performance of your hot water on cruise control.

Strength In Numbers

With the ability to install multiple Demand Duos™ together, we create redundancy that keeps hot water flowing – and your business going.

Demand Duo™ Highlights:

- Warranty: 6-year heat exchanger / tank, 5-year parts and up to 2 years labor*
- Built standard with C199 Commercial Tankless Water Heater
 - Commercial ENERGY STAR® certified with 96% Thermal Efficiency
 - Ultra Low NOx compliant
 - 199,000 BTU
- Approved for high altitude up to 10,200 ft (3,109 m)
- Integrated temperature controller that provides 98°F to 185°F (no external controller required)
- Fueled by Natural Gas or Liquid Propane
- Assembled with individually certified components
- First Hour Rating: 315 gal / Recovery: 231 gal (@ 100°F ΔT)
- Multiple venting options (concentric, two pipe, room air, common vent)
- Perfect for emergency replacement situations – connection locations similar to most popular high efficiency tanks
- Easy and cost effective maintenance – all parts replaceable

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

Commercial Hybrid System.

THE DEMAND DUO™: BUILT FOR COMMERCIAL

This unique Commercial Hybrid system combines all the benefits of the Rinnai C199 Condensing Tankless Water Heater with a 119-gallon storage tank and provides a direct replacement for most traditional and high efficiency commercial tanks. Along with Rinnai's reputation for quality and reliability, all parts are replaceable and easily serviced. The result is a superior performing product designed to reduce the need for frequent tank replacements.

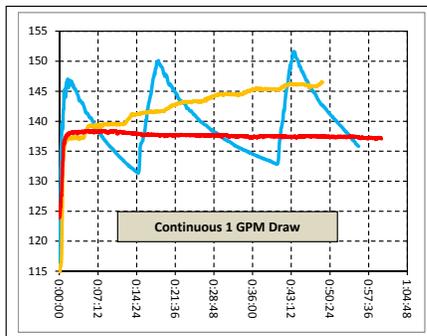


Connection Locations:

1. Electrical
2. Gas
3. Cold Supply
4. Hot Supply
5. Concentric Vent Intake / Exhaust
6. Two Pipe Combustion Air Intake
7. Tank T&P
8. Tank Drain Valve
9. Condensate Drain (behind cover)
10. Temperature Controller
11. Tankless PRV



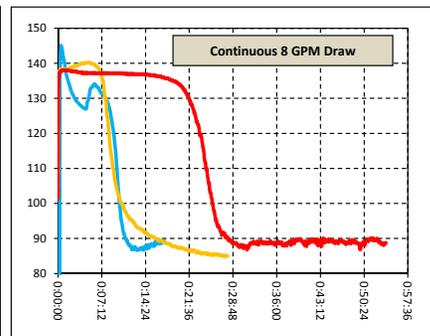
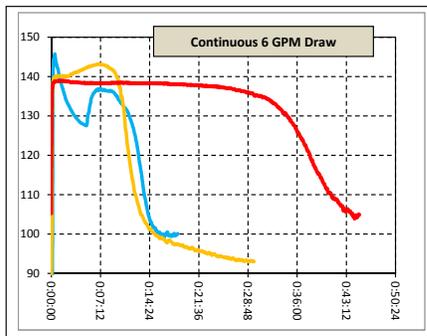
CONTINUOUS DRAW PERFORMANCE CHARTS



Internal tests were conducted to show temperature ranges and volume of hot water at a specific GPM draw.

- 1 GPM Data:** Rinnai provides stable temps
- 6 GPM Data:** Rinnai provides stable temps and more hot water
- 8 GPM Data:** Rinnai provides stable temps and more hot water

— High Efficiency Tank (100 Gallon)
 — Standard Efficiency Tank (80 Gallon)
 — Rinnai Demand Duo™ (119 Gallon)



Note: All tests were conducted with a fully charged tank set at 140°F. This was a draw only test with no recovery. High efficiency tanks 100 gallons, standard efficiency 80 gallons; 40° F supply water temperature.

RECOVERY CAPACITIES

U.S. GALLONS/HR LITERS/HR AT TEMPERATURE RISE INDICATED

Tank Capacity	°F	30°F	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F
	°C	17°C	22°C	28°C	33°C	39°C	44°C	50°C	56°C	61°C	67°C	72°C	78°C
119 U.S. Gals.	GPH	772	579	463	386	331	289	257	232	211	193	178	165
450 Liters	LPH	2922	2192	1753	1461	1253	1093	973	878	799	731	673	625

Multi-System CONFIGURATION

Mastering The Art of Taking Control

Thanks to our flexible venting options and Tankless Rack System, as well as solutions that are custom designed (with and without storage), you can use multiple units together to provide anywhere from 15,200 to 4.9 million BTU – enough to replace even large boilers.

In this diagram, 10 tankless water heaters are electronically connected. Each bank of five is controlled by a Multi-System Control Board. These boards are connected to each other with Multi-System C2 cables. One Multi-System Control Board will serve as the master control for the entire system.

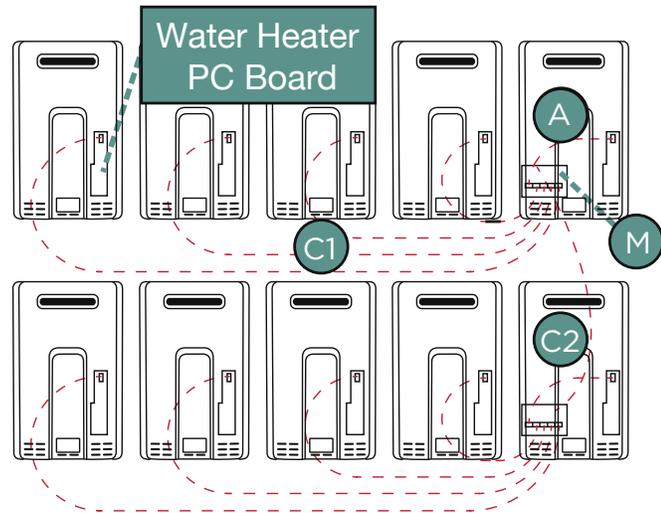


Illustration applies to use of Multi-System Controller with and without the Rinnai Tankless Rack System.

- M** Multi-System Control Board
- A** Connector Cable A (part of Multi-System Control Board kit)
- C1** Multi-System C1 Cable – used for connecting water heaters within a banked system (up to 5 TWH)
- C2** Multi-System C2 Cable – used for connecting multiple multi-system control boards (up to 5 TWH)

TYPICAL MULTI-SYSTEM CONFIGURATION

No. of Water Heaters	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Controller	Number of Components Required																							
Multi-System Control Board* (MSB-M)	1	1	1	1	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5
Multi-System C1** (MSB-C1)	NA	1	2	3	2	3	4	5	6	6	7	8	9	8	9	10	11	12	11	12	13	14	15	15
Multi-System C2† (MSB-C2)	NA	NA	NA	NA	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4

*Includes: Control Board; Cable A (23 in / 585 mm), Cable B (9.8 ft / 3 m), brackets, ties, and screws.

**Includes: Cable B (9.8 ft / 3 m), brackets, ties, and screws.

†Includes: Multi-System Connector Cable A (13.1 ft / 4 m), terminal connectors.



The Rinnai Tankless Wall-Hanging Rack. THE END OF EMERGENCY REPLACEMENT HASSLES.

Capacity in a whole new form.

Shipped fully assembled in a variety of configurations, the new Rinnai Tankless Wall-Hanging Rack (TRW) arrives ready to install, and ready to impress.

A complete and fully modular solution, the TRW features a sturdy, pre-assembled rack with multiple Rinnai Tankless Water Heaters already mounted and connected to each other. Together, the units have enough capacity to suit light commercial water heating requirements, replacing tank-style water heaters with one simple, energy-efficient solution.



- TRW racks are stocked by distribution, making them perfect for emergency replacement
- Quick and easy installation with included wall-hanging bracket
- Lightweight steel box frames
- TRW racks come with two to three tankless water heaters per rack, which can be combined with up to 25 models and provide up to 4.9 million BTU
- Indoor or outdoor installations
- Fits, fully assembled, through standard 32-inch doorways and on elevators
- Modulation technology with turn-down ratios of up to 327:1 to ensure hot water delivery and efficiency
- Use with or without storage tank and/or recirculation loop
- Wi-Fi Ready

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HOW A RINNAI TANKLESS WATER

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. Condensing models use the latent heat of exhaust to preheat incoming cold water. The colder the inlet water, the higher the efficiency and the more condensate is generated. 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.

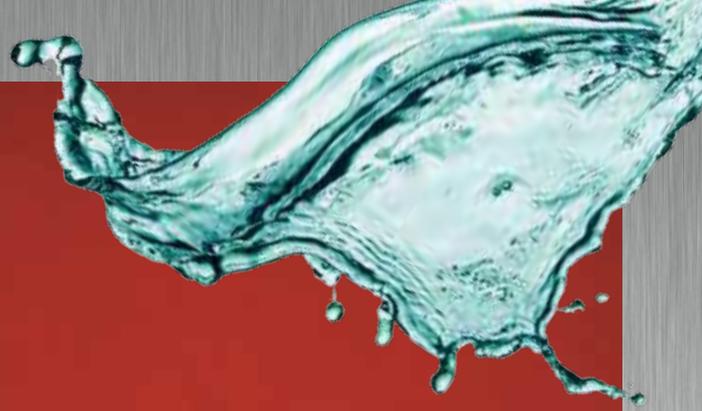
As the hot water fixture shuts off, cold water stops entering the tankless water heater and the flame extinguishes. The combustion fan continues to operate at a low speed for a short period of time. This allows the exhaust of any leftover combustion gases in the system.



HOT WATER OUTLET COLD WATER INLET GAS INLET

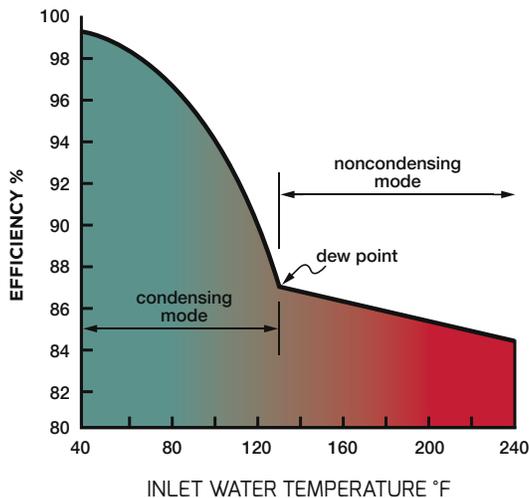


HEATER WORKS.



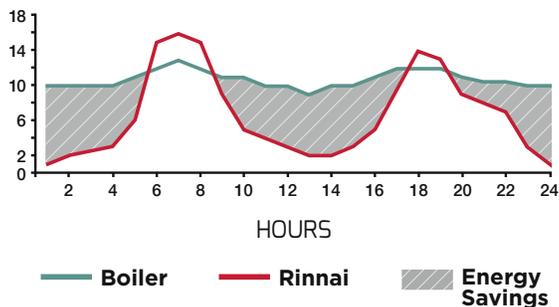
HOW CONDENSING TECHNOLOGY WORKS.

As illustrated in the diagram below, condensing appliances use the latent heat of exhaust to preheat incoming cold water. The colder the inlet water, the higher the efficiency and the more condensate is generated.



HOW MODULATION WORKS.

The chart below demonstrates the efficiency that a fully modulating tankless system can provide. The chart generally shows the gas usage of a traditional boiler compared to that of a Rinnai Tankless Water Heater.* Peaks represent the tankless unit meeting user demands, and valleys represent saved energy in between.



*The comparison is not based on data from a specific installation.

HOW A TANKLESS RACK SYSTEM WORKS.

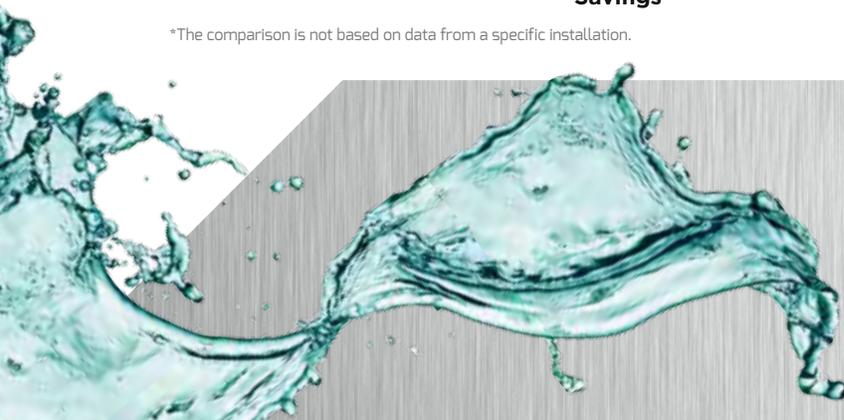
Rinnai's Tankless Rack System (TRS) is designed to supply a packaged water heating solution as a fully-assembled system. The TRS includes preassembled water and gas connections and manifolds under the tankless water heaters that are properly sized to maintain optimum performance.



Tankless technology provides an endless supply of hot water and the Tankless Rack System provides the ability to link multiple units together, giving redundancy ensuring the business remains open 24/7/365.

All of the water heaters on the TRS can be electronically connected using the multi-system control board. When operating, multiple tankless water heaters linked together with multi-system controls are designed to supply equal amounts of hot water. They will also rotate occasionally to ensure equal usage among the entire system.

On initial water flow 1 to 3 units will start up based on the configuration of the main multi-system control board. Once the flow rate is determined, the multi-system control board will cycle additional units on or off as needed.



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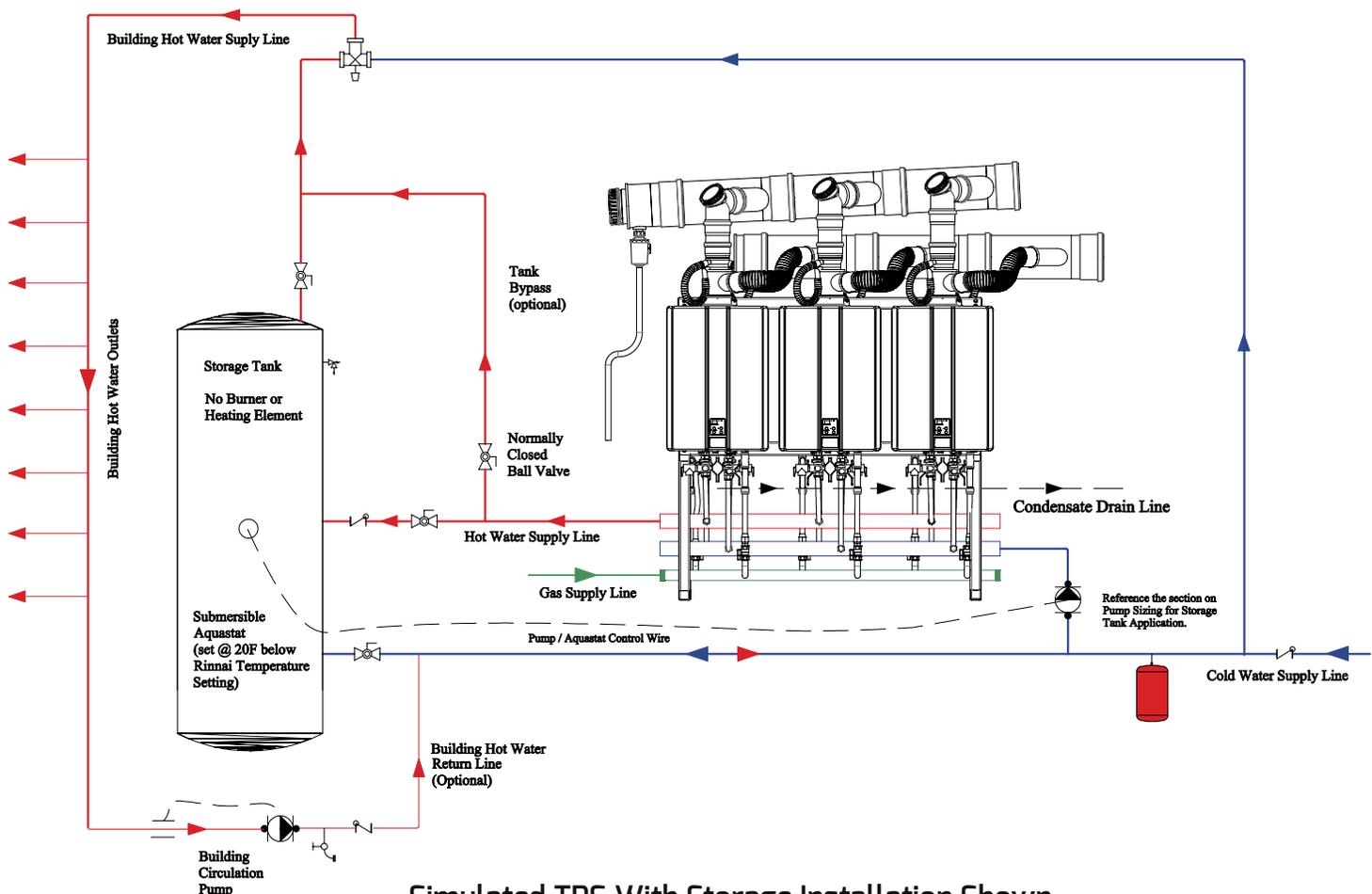
Rinnai Tankless Rack System (TRS)

GOODBYE OLD-STYLE BOILERS. HELLO HOT

Now you can harness all the benefits of tankless water heating technology, preassembled and ready to replace the boiler in your existing or planned boiler and storage tank domestic water heating system.

Built with superior quality and reliability, Rinnai's Tankless Rack System (TRS) offers the perfect BTU upgrade of an old-style domestic water boiler that is reheating storage tanks. On retrofit applications, often times you can keep your existing tank and pump and simply replace with the lower cost and better performing TRS.

The TRS installs in place of an old-style boiler and provides built-in redundancy by banking individual tankless water heaters to insure your hot water supply keeps flowing even if a unit is down. The TRS comes standard with our new condensing C199 tankless water heater that boasts a 96% thermal efficiency and a heat exchanger built for the demands of commercial applications.

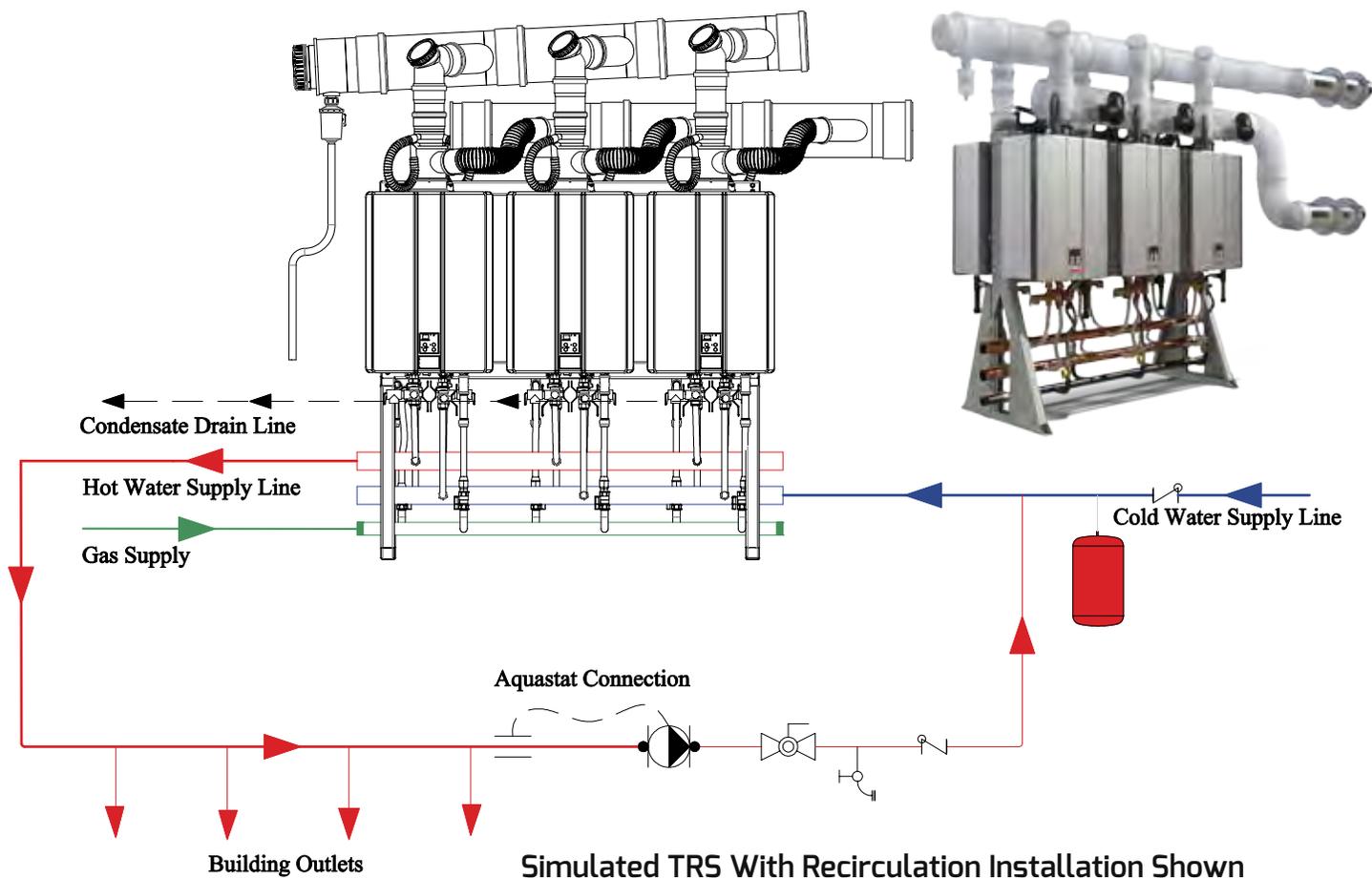


WATER THAT MEANS BUSINESS.

Flexible installation is another TRS strong suit. It fits through a standard 32" doorway, has various venting options including PVC and the Rinnai Common Vent system, and can be mounted indoors or outdoors, either floorstanding or wall mount.

By offering a significantly lower upfront capital investment and reduced annual maintenance costs, the

overall cost of ownership can be lower vs. the same BTU boiler. Couple that with the Rinnai reputation for unsurpassed quality and technical support – plus the added benefit of having the Rinnai Commercial Solutions Team help with free sizing and application engineering – and the TRS is the business-friendly replacement for even the largest boilers.



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Performance Chart FOR TANKLESS RACK

Recovery Capacity and First Hour Delivered @ Temperature Rise (°F) with									
Rack System Configurations							60° F Temperature Rise		80° F Temp
WH qty.	Model	Max BTUH Input	Tank Size (Gal.)	Recovery Pump Size		Thermal Efficiency	Recovery GPH	First Hour Delivered (Gal.)	Recovery GPH
				GPM	Head (ft)				
2	TRW02 / TRW23 TRS02 / TRS23	398,000	100	10	30	96%	764	834	573
			200					904	
			300					974	
3	TRW03 / TRS03 / TRS36	597,000	100	15	30	96%	1,146	1,216	860
			200					1,286	
			300					1,356	
			400					1,426	
4	2-TRW02 / TRS04 / TRS46	796,000	100	20	30	96%	1,528	1,598	1,146
			200					1,668	
			300					1,738	
			400					1,808	
5	TRW02 + TRW03 TRS05	995,000	200	25	30	96%	1,910	2,050	1,433
			300					2,120	
			400					2,190	
6	TRW03 + TRW03 TRS06	1,194,000	200	30	30	96%	2,292	2,432	1,719
			300					2,502	
			400					2,572	

Multiple configurations available. Reference TRS Installation Manual.
TRS models are Freestanding units; TRW models are Wall-Mount units.

DEFINITIONS:

- Tank size:** capacity of water in gallons inside storage tank as stated by manufacturer
- Recovery pump:** pump that will circulate water from tank to TRS during recovery period
- Recovery Flow Rate:** flow rate in GPM at which volume inside tank is being recovered
- Recovery GPH:** the water heater's ability to replenish hot water as it's drawn from the tank
- Recovery efficiency:** the ratio of energy delivered to the water to the energy content of the fuel consumed by the water heater
- First Hour Delivered (Gal):** useable volume of water that can be drawn in one hour and is determined using the following formula: First Hour Delivered (Gal) = Recovery GPH + Tank capacity x 0.70
- Temperature rise:** temperature difference in °F between the TRS set point and the incoming water temperature

Note:

This chart should be used only when the existing or specified system is known. Select TRS model to the left of chart. Use existing or specified storage tank with TRS selection. Reference chart to left for recovery GPH performance. To calculate "First Hour Delivered" add 70% of existing or specified tank volume to recovery GPH.

SYSTEMS UTILIZING STORAGE

Storage Tank		
Temperature Rise	100° F Temperature Rise	
First Hour Delivered (Gal.)	Recovery GPH	First Hour Delivered (Gal.)
643	458	528
713		598
783		668
930	688	758
1,000		828
1,070		898
1,140		968
1,216	917	987
1,286		1,057
1,356		1,127
1,426		1,197
1,573	1,146	1,286
1,643		1,356
1,713		1,426
1,859	1,375	1,515
1,929		1,585
1,999		1,655

Cross Reference for Existing or Specified Systems		
Existing or Specified Systems BTUH	As Specified or Existing	Thermal Efficiency
400,000	As specified or existing	≥ 93%
600,000	As specified or existing	≥ 93%
800,000	As specified or existing	≥ 93%
1,000,000	As specified or existing	≥ 93%
1,200,000	As specified or existing	≥ 93%

TRS / TRW Highlights

- 96% thermal efficiency
- Commercial ENERGY STAR® certified
- Direct replacement for domestic boilers
- Indoor / outdoor / wall / floor mount installations
- Multiple venting options
- No ASME inspection required
- Available factory-direct preventive maintenance

Product Sizing Disclaimers

- This Sizing Reference Guide and all information contained herein is based on the proper installation and use of (1) a series of Rinnai tankless water heaters which are piped to a storage tank and (2) an adequate and properly-sized Recovery Pump that will recover the storage tank (i.e., that will circulate water from the Rinnai tankless water heaters into the storage tank) thereby allowing the Rinnai tankless water heaters to properly heat the water for the storage tank.
- This Sizing Reference Guide is intended to be used as a guide only and not as a replacement for a professionally-engineered project.
- For additional information, please refer to the Rinnai Tankless Rack System Manual or contact the Application Engineering Department at Rinnai America Corporation by calling (866) 383-0707.
- Multiple TRS should be installed in parallel using a secondary manifold from the building's cold and hot water supply. You should reference the particular section of the TRS installation manual for piping multiple racks.
- The building's circulation pump must be controlled by an aquastat, timer, or both.

FLEXIBILITY, DURABILITY

	Commercial Condensing		Demand Duo™ Commercial Hybrid System	Condensing - Ultra Series			
							
Model	C199i	C199e	Demand Duo™	RUR98i	RUR98e	RUC98i	RU98e
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)	28.2 x 67.3 x 39.1 (358.1 x 1709.4 x 993.1)	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)	61.7 / 28	61.7 / 28	428 / 194	72.8 / 33	72.8 / 33	61.7 / 28.0	61.7 / 28.0
Installation Type	Indoor	Outdoor	Indoor	Indoor	Outdoor	Indoor	Outdoor
Storage Tank	N/A	N/A	119 Gallons	N/A	N/A	N/A	N/A
Min./Max. BTU (natural gas)	15,200 / 199,000	15,200 / 199,000	15,200 / 199,000	15,200/199,000	15,200/199,000	15,200/199,000	15,200/199,000
Min./Max. BTU (propane)	15,200 / 199,000	15,200 / 199,000	15,200 / 199,000	15,200/199,000	15,200/199,000	15,200/199,000	15,200/199,000
Energy Factor	Thermal Efficiency 96%	Thermal Efficiency 96%	Thermal Efficiency 96%	0.95	0.95	0.95	0.95
Temp. Range Commercial	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	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)	N/A	0.4 gpm (1.5 lpm)			
Flow Rate (70° / 50° Temp. Rise)	5.5 / 7.7	5.5 / 7.7	N/A	5.5 / 7.7 (20.8 / 29.2)			
Hot Water Flow Rate Range	0.26–9.8 gpm (1.0–32 lpm)	0.26–9.8 gpm (1.0–32 lpm)	First Hour Rating: 315 gph‡	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)	0.26–9.8 gpm (0.98–37.1 lpm)
Controller (standard)	MC-91-2US	MC-91-2US	MC-91-2US	MC-195T-US	MC-195T-US	Integrated	MC-91-2US
Controllers (optional)	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	MC-195T-US, MC-100V-1US, BC-100V-1US, MCC-91-2US	
Ultra Low NOx	yes	yes	yes	yes	yes	yes	yes
Warranty (Commercial)*	Limited 6-year on heat exchanger, 6-year on tank, 5-year on parts, up to 2 years labor			Limited 5-year on heat exchanger, 5-year on parts, up to 2 years labor			
Valves Shipped in Box	yes	yes	Assembled	yes	yes	yes	yes
High Altitude Approved	10,200	10,200	10,200	Up to 10,200 ft. (3,109 m)			
Certifications	C199 – AHRI and CSA			AHRI and CSA			
Ubbink Polypropylene Concentric	yes	N/A	yes	yes	N/A	yes	N/A
PVC / CPVC	yes	N/A	yes	yes	N/A	yes	N/A
Common Vent (Vertical, Horizontal and Side Wall Intake Vertical Exhaust)	yes	N/A	yes	N/A	N/A	N/A	N/A
Room Air Common Vent (Vertical Exhaust)	yes	N/A	yes	N/A	N/A	N/A	N/A
ENERGY STAR® Certified	C199 Commercial ENERGY STAR® Certified			yes	yes	yes	yes
Tankless Rack System (TRS/TRW) Compatible	yes	yes	no	no	no	yes	yes
½" Gas Line Compatible***	yes	yes	yes	yes	yes	yes	yes
Wi-Fi Ready	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.

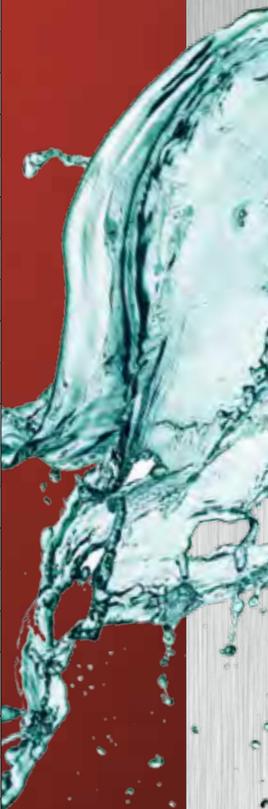
*** For complete information on gas sizing for Rinnai Tankless Water Heaters, consult the Operation and Installation Manual.

‡Based on DOE first hour test (OCFR, Part 430). Side note: the isolation valves are on the unit.

AND EFFICIENCY

Non-Condensing - Luxury Series

							
RUC90i	RUC80i	RU80e	RL94i	RLX94i	RL94e	RL75i	RL75e
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)	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)
61.7 / 28.0	61.7 / 28.0	61.7 / 28.0	46.3 / 21.0	46.3 / 21.0	44.3 / 20.1	45.6 / 20.7	43.7 / 19.8
Indoor	Indoor	Outdoor	Indoor	Indoor	Outdoor	Indoor	Outdoor
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15,200/180,000	15,200/152,000	15,200/152,000	10,300/199,000	10,300/192,000	10,300/199,000	10,300/180,000	10,300/180,000
15,200/180,000	15,200/152,000	15,200/152,000	10,300/199,000	N/A	10,300/199,000	10,300/180,000	10,300/180,000
0.96	0.96	0.96	0.82	0.82	0.82	0.82	0.82
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°-160° F / 37°-71° C**	98°-160° F / 37°-71° C
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)
5.0 / 7.0 (18.9 / 26.5)	4.2 / 5.9 (15.9 / 22.3)	4.2 / 5.9 (15.9 / 22.3)	4.7 / 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)
0.26-9.0 gpm (0.98-34.1 lpm)	0.26-8.0 gpm (0.98-30.3 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)	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)
Integrated	Integrated	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US	MC-91-2US
MC-195T-US, MC-100V-1US, BC-100V-1US, MCC-91-2US			MC-100-1, BC-100V-1, MC-195T-US, MCC-91-2				
yes	yes	yes	no	yes	yes	yes	yes
Limited 5-year on heat exchanger, 5-year on parts, up to 2 years labor			Limited 5-year on heat exchanger, 5-year on parts, up to 2 years labor				
yes	yes	yes	yes	yes	yes	yes	yes
			Up to 10,200 ft. (3,109 m)				
			AHRI and CSA				
yes	yes	N/A	yes	yes	N/A	yes	N/A
yes	yes	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
yes	yes	yes	no	no	no	no	no
no	no	no	no	no	no	no	no
yes	yes	yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes	yes	yes



Rinnai®

Tankless Rack System Configurations

WALL HANGING

	Wall Hanging		
			
Rack Model Number	TRW02	TRW03	TRW23
Tankless Model Number	C199i/e N/P		
Thermal Efficiency	96%		
Number of Tankless Units	2	3	2
Max Input (BTU/h)	398,000	597,000	398,000
Min Input (BTU/h)*	15,200		
Width x Height x Depth (in. / mm)	44 x 57 x 12.25 (1,117 x 1,448 x 311)	62 x 57 x 12.25 (1,574 x 1,448 x 311)	62 x 57 x 12.25 (1,574 x 1,448 x 311)
Shipping Weight (lbs. / kg)	380 / 172	458 / 209	396 / 180
Fully Assembled Weight (lbs. / kg)	166 / 75	244 / 110	182 / 83
Gas Manifold (dia.) (in. / mm)	1 - 1/4" (32 mm)		
Water Manifold (dia.) (in. / mm)	2 (51 mm)		
Flow Rate @ 60F ΔT (GPM / GPH)	12.6 / 756	18.9 / 1,134	12.6 / 1,134
Flow Rate @ 80F ΔT (GPM / GPH)	9.5 / 567	14.2 / 851	9.5 / 567
Flow Rate @ 100F ΔT (GPM / GPH)	7.6 / 454	11.3 / 681	7.6 / 454
Max. Current (Amperes)	8	12	8
Electrical Requirements	Installer to provide electrical outlet connections Each water heater requires 120 VAC, 60 Hz power source in a properly grounded circuit C199i: 64 W normal operation; 2 W standby; 146 W anti-frost protection C199e: 63 W normal operation; 2 W standby; 168 W anti-frost protection		
Frame Material	14 Gauge Hot Rolled Steel, 1.5" Square Tube		
Water Manifold Material	Rigid Copper		
Water Branch Line (dia.)	3/4" (19 mm) CSST		
Gas Manifold Material	Schedule 40 Steel		
Gas Branch Line Material	PVC over CST		
Warranty - Commercial	6 year heat exchanger, 5 year part, up to 2 years labor**		
High Altitude	Up to 10,200' (3,109 mm)		
PVC / CPVC	yes		
Common Vent (Vertical, Horizontal and Side Wall Intake Vertical Exhaust)	yes		
Room Air Common Vent (Vertical Exhaust)	yes		
Commercial ENERGY STAR® Certified	yes		
C199 Certifications	CSA		
Wi-Fi Ready	yes		

*When using cascade controller (REU-MSB)

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



AND WALL MOUNT RACKS

Inline Wall Mount



TRS02ILW

TRS03ILW

TRS23ILW

C199i/e N/P

96%

2

3

2

398,000

597,000

398,000

15,200

44 x 58 x 18
(1,117 x 1,473 x 457)

58 x 62 x 18
(1,473 x 1,574 x 457)

58 x 62 x 18
(1,473 x 1,574 x 457)

400 / 181

487 / 221

414 / 188

204 / 93

291 / 132

218 / 99

1 - 1/4" (32 mm)

1 - 1/2" (38 mm)

2 (51 mm)

2 - 1/2" (64 mm)

12.6 / 756

18.9 / 1,134

12.6 / 1,134

9.5 / 567

14.2 / 851

9.5 / 567

7.6 / 454

11.3 / 681

7.6 / 454

8

12

8

Installer to provide electrical outlet connections
Each water heater requires 120 VAC, 60 Hz power source in a properly grounded circuit
C199i: 64 W normal operation; 2 W standby; 146 W anti-frost protection
C199e: 63 W normal operation; 2 W standby; 168 W anti-frost protection

Aluminum .090 5052-H32

Rigid Copper

3/4" (19 mm) CSST

Schedule 40 Steel

PVC over CST

6 year heat exchanger, 5 year part,
up to 2 years labor**

Up to 10,200' (3,109 mm)

yes

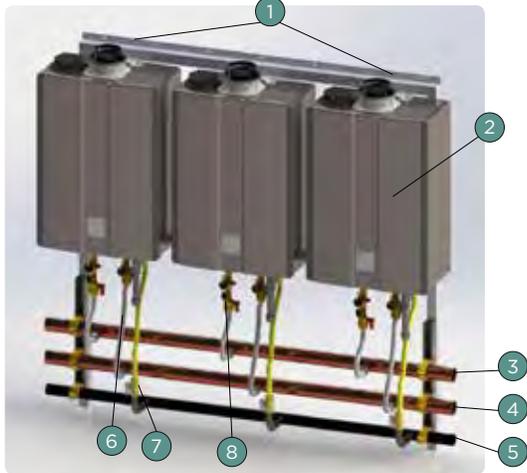
yes

yes

yes

CSA

yes



INLINE WALL-MOUNTED RACK

NO	DESCRIPTION
1	Lifting Eyebolt
2	Rinnai Tankless Indoor or Outdoor Unit
3	Manifold, Hot Water
4	Manifold, Cold Water
5	Manifold, Gas
6	3/4" Dirt Leg
7	3/4 FNPT Brass Ball Valve - Gas
8	Pressure Relief Valve (PRV)

[†]GPH represents flow rate delivered as GPH, not storage GPH.
^{*}Facing same direction.

Note: Explanation of Part Numbers—For specific model numbers, add i or e (for external / internal) water heaters and N or P (for Natural Gas or LP). Example: TRW02iN, 2-unit wall-mount rack with interior Natural Gas RU98 tankless units.



Tankless Rack System Configurations

FREESTANDING

	Freestanding, Inline			
				
Rack Model Number	TRSO2IL	TRSO3IL	TRSO23IL	TRSO2
Tankless Model Number	C199i/e N/P			
Thermal Efficiency	96%			
Number of Tankless Units	2	3	2	2
Max Input (BTU/h)	398,000	597,000	398,000	398,000
Min Input (BTU/h)*	15,200			
Width x Height x Depth (in. / mm)	44 x 58 x 29 (1,117 x 1,473 x 736)	62 x 58 x 29 (1,574 x 1,473 x 736)	62 x 58 x 29 (1,574 x 1,473 x 736)	44 x 58 x 29 (1,117 x 1,473 x 736)
Shipping Weight (lbs. / kg)	404 / 183	480 / 217	406 / 184	406 / 184
Fully Assembled Weight (lbs. / kg)	208 / 94	284 / 129	210 / 95	210 / 95
Gas Manifold (dia.) (in. / mm)	1 - 1/4" (32 mm)	1 - 1/2" (38 mm)		1 - 1/4" (32 mm)
Water Manifold (dia.) (in. / mm)	2" (51 mm)	2 - 1/2" (64 mm)		2" (51 mm)
Flow Rate @ 60F ΔT (GPM / GPH)	12.6 / 756	18.9 / 1,134	12.6 / 1,134	12.6 / 756
Flow Rate @ 80F ΔT (GPM / GPH)	9.5 / 567	14.2 / 851	9.5 / 567	9.5 / 567
Flow Rate @ 100F ΔT (GPM / GPH)	7.6 / 454	11.3 / 681	7.6 / 454	7.6 / 454
Max. Current (Amperes)	8	12	8	8
Electrical Requirements	Installer to provide electrical outlet connections Each water heater requires 120 VAC, 60 Hz power source in a properly grounded circuit C199i: 64 W normal operation; 2 W standby; 146 W anti-frost protection C199e: 63 W normal operation; 2 W standby; 168 W anti-frost protection			
Frame Material	Aluminum .090 5052-H32			
Water Manifold Material	Rigid Copper			
Water Branch Line (dia.)	3/4" (19 mm) CSST			
Gas Manifold Material	Schedule 40 Steel			
Gas Branch Line Material	PVC over CST			
Warranty - Commercial	6 year heat exchanger, 5 year part, up to 2 years labor*			
High Altitude	Up to 10,200' (3,109 mm)			
PVC / CPVC	yes	yes	yes	yes
Common Vent (Vertical, Horizontal and Side Wall Intake Vertical Exhaust)	yes	yes	yes	yes
Room Air Common Vent (Vertical Exhaust)	yes	yes	yes	yes
Commercial ENERGY STAR® Certified	yes	yes	yes	yes
C199 Certifications	CSA			
Wi-Fi Ready	yes	yes	yes	yes

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



FREESTANDING RACK

NO	DESCRIPTION	NO	DESCRIPTION
1	Lifting Eyebolt	5	Manifold, Gas
2	Rinnai Tankless Indoor or Outdoor Unit	6	3/4" Dirt Leg
3	Manifold, Hot Water	7	3/4 FNPT Brass Ball Valve – Gas
4	Manifold, Cold Water	8	Pressure Relief Valve (PRV)

For Demonstration Purposes Only.

RACKS

Freestanding, Back-to-Back

					
TR303	TR336	TR304	TR346	TR305	TR306
C199i/e N/P					
96%					
3	3	4	4	5	6
597,000	597,000	796,000	796,000	995,000	1,194,000
15,200					
44 x 58 x 29 (1,117 x 1,473 x 736)	62 x 58 x 29 (1,574 x 1,473 x 736)	44 x 58 x 29 (1,117 x 1,473 x 736)	62 x 58 x 29 (1,574 x 1,473 x 736)	62 x 58 x 29 (1,574 x 1,473 x 736)	62 x 58 x 29 (1,574 x 1,473 x 736)
480 / 217	480 / 217	553 / 251	576 / 252	649 / 294	722 / 327
284 / 129	284 / 129	357 / 162	378 / 171	452 / 205	526 / 239
1 - 1/4" (32 mm)			1 - 1/2" (38 mm)		
2" (51 mm)			2 - 1/2" (64 mm)		
18.9 / 1,134	18.9 / 1,134	25.2 / 1,512	25.2 / 1,512	31.5 / 1,891	37.8 / 2,269
14.2 / 851	14.2 / 851	18.9 / 1,134	18.9 / 1,134	23.6 / 1,418	28.4 / 1,701
11.3 / 681	11.3 / 681	15.1 / 907	15.1 / 907	18.9 / 1,134	22.7 / 1,361
12	12	16	16	20	24
Installer to provide electrical outlet connections Each water heater requires 120 VAC, 60 Hz power source in a properly grounded circuit C199i: 64 W normal operation; 2 W standby; 146 W anti-frost protection C199e: 63 W normal operation; 2 W standby; 168 W anti-frost protection					
Aluminum .090 5052-H32					
Rigid Copper					
3/4" (19 mm) CSST					
Schedule 40 Steel					
PVC over CST					
6 year heat exchanger, 5 year part, up to 2 years labor*					
Up to 10,200' (3,109 mm)					
yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes
CSA					
yes	yes	yes	yes	yes	yes

*When using cascade controller (REU-MSB)

Common Venting. THE EPITOME OF

With Rinnai Common Venting (CVent), up to eight Tankless Water Heater (TWH) units share the same CVent system—which means significantly fewer wall or roof cuts, less labor, and longer vent lengths than ever possible with single-unit TWH venting. The system is also fully CSA-certified and uses polypropylene PP—a more reliable venting material for the job, able to withstand exhaust temperatures up to 230° F.

Clean, easy, cost-saving install:

- Vent lengths up to 100' with seven TWH units; 41' with eight TWH units
- Easy push fit joints—no cement or glue required
- Non-return valve prevents backflow of exhaust gases into idle tankless water heaters
- In-line or back-to-back installations; horizontal or vertical termination
- More options than ever before for indoor installations
- Reduces wall penetrations

Along with our existing common venting options, Rinnai has five common vent solutions including:

- Room Air for the U.S.
- Direct Vent with side wall intake and vertical exhaust for the U.S. and Canada*
- Direct Vent for Canada

In a common vent room air configuration, multiple unit installations like the Tankless Rack System (TRS) use the air in the room for intake air and therefore require only one vent penetration for the exhaust. This means one less cut, saving time and money for system installation. Room air can be used only in applications that utilize the approved Rinnai common vent method.

For more flexibility, common venting can now be done in different plane configurations with a vertical exhaust vent and horizontal air intake.

Both of these new solutions use Rinnai's existing 8" venting material and are now approved for markets that require ULC 5636 for venting.



**Vertical
RUC98
C199**



**Horizontal
RUC98
C199**



NEW
**Side Wall Intake
Vertical Exhaust
C199 Only**



NEW
**Room Air Common Vent
Configuration
Vertical Exhaust
C199 Only**

* Exhaust must terminate vertically.

STREAMLINED INSTALLATION.

Single-unit vent solutions:

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.

- Concentric Polypropylene
- Dual-pipe PVC/CPVC

COMMERCIAL VENTING OPTIONS

Venting Situation	Type	Diameter	Maximum Equivalent Length
Individually Vented	Concentric PPs	5" / 127 mm	65' / 19.8 m
	Two Pipe PVC / CPVC	3" / 76 mm	65' / 19.8 m
	Two Pipe PVC / CPVC	4" / 101 mm	100' / 30.4 m
3 to 7 Tankless Common Vent	Cvent PPTl (U.S.) Cvent PPs (Canada)*	8" / 203 mm	100' / 30.4 m
8 Tankless Common Vent	Cvent PPTl (U.S.) Cvent PPs (Canada)*	8" / 203 mm	41' / 12.4 m

*C199 only.

NEW

Room Air Common Vent
Configuration
Vertical Exhaust
Demand Duo ☒



Rinnai®

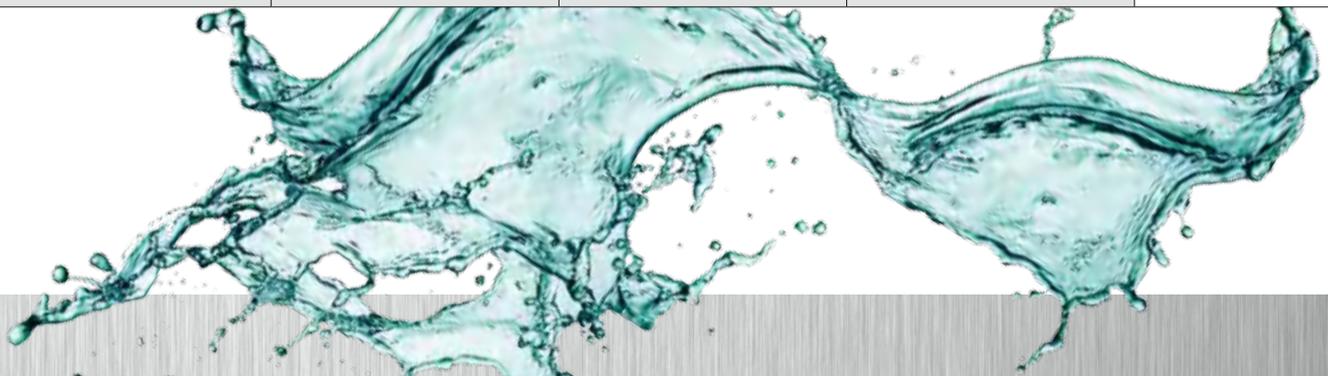
COMMON VENTING KITS AND ACCESSORIES

COMMON VENTING COMPONENTS	IMAGE NUMBER	PART NUMBER	
CVent 90° Elbow (8")	1	790023	
CVent 18" Extension (8")	2	790020	
CVent 39" Extension (8")	2	790021	
CVent 78" Extension (8")	2	790052	
Horizontal Termination Kit	3	790004	
Combustion Air PVC Adapter Kit (2 / Box)	4	780037	
CVent Pitched Roof Moldable Flashing	5	790003	
CVent 8" Exhaust Rain Cap	6	790034	
Vertical Termination Kit	7	790057 (replaces 790001)	
CVent 45° Elbow (8") (2 / Box)	8	790022	
CVent 8" Flat Roof Flashing	9	790002	
CVent 8" Bracket	10	790024	
CVent 8" Intake Rain Cap	11	780053	
CVent 45° Elbow (8") - PPs (2 / Box)	12	791002PPS	Canada Only
CVent 90° Elbow (8") - PPs	13	791003PPS	Canada Only
CVent 39" Extension (8") - PPs	14	791001PPS	Canada Only
CVent 78" Extension (8") - PPs	14	791006PPS	Canada Only
Vertical Termination Kit - PPs	15	7910007PPS	Canada Only

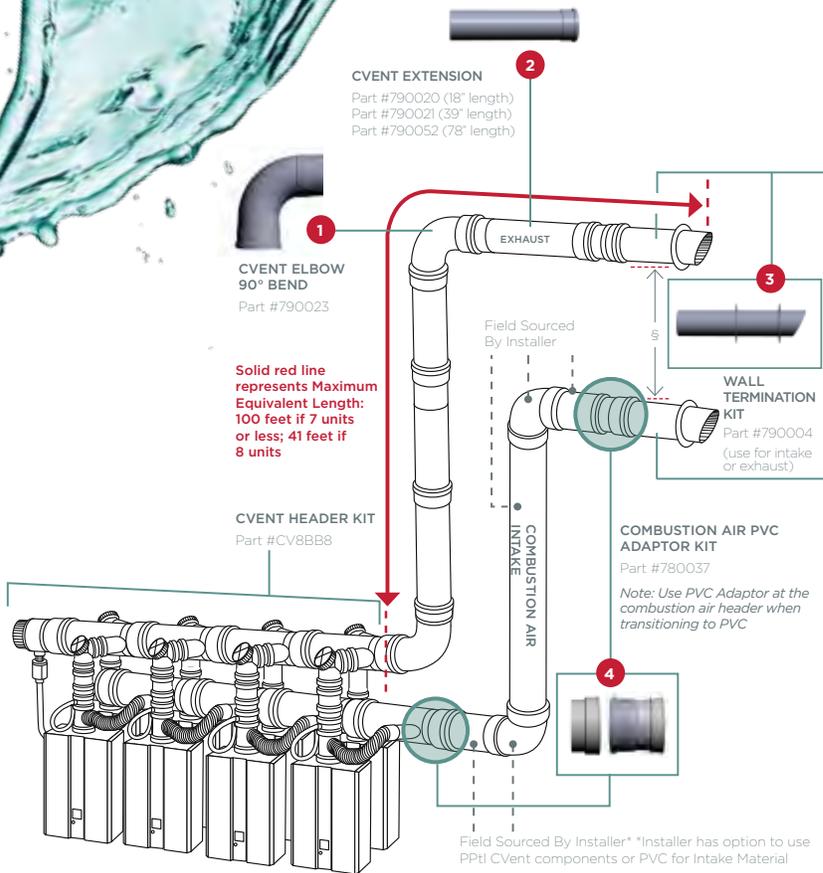


DIRECT VENT 8" COMMON VENT HEADER KITS

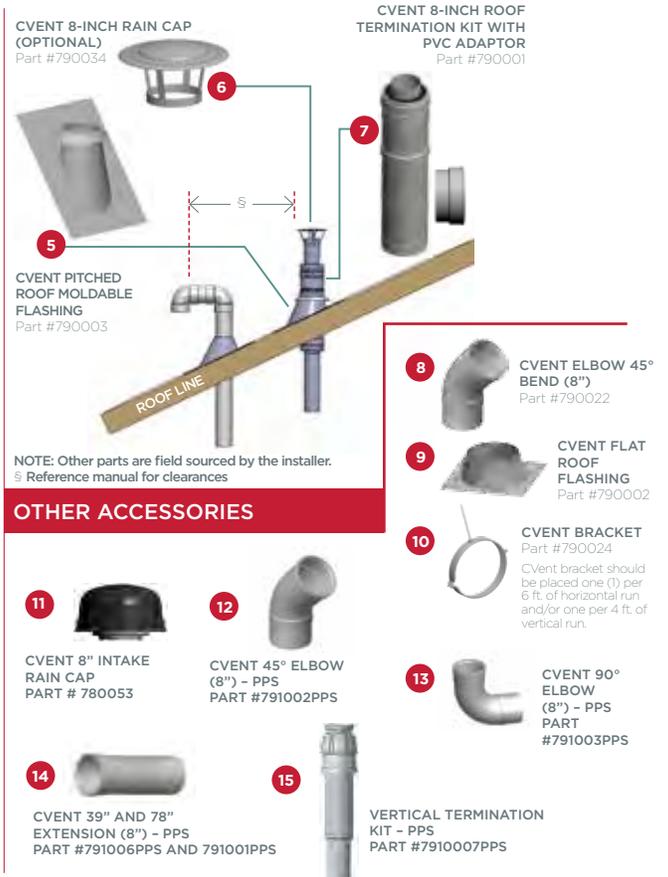
Rack Model Number	U.S. (PPtI)	Canada (PPs)	Description (Intake and Exhaust)	Image	
	Item Number	Item Number			
TRS03	CV8BB3USDV	CV8BB3CADV	8" back-to-back 3 unit header kit		
TRS04	CV8BB4USDV	CV8BB4CADV	8" back-to-back 4 unit header kit		
TRS05	CV8BB5USDV	CV8BB5CADV	8" back-to-back 5 unit header kit		
TRS06	CV8BB6USDV	CV8BB6CADV	8" back-to-back 6 unit header kit		
TRS04 + TRS03	CV8BB7USDV	CV8BB7CADV	8" back-to-back 7 unit header kit		
TRS04 x 2 (Image)	CV8BB8USDV	CV8BB8CADV	8" back-to-back 8 unit header kit		
TRW03 TRS03ILW	CV8IL3USDV	CV8IL3CADV	8" in-line 3 unit header kit		
TRW02 x 2 TRS02ILW x 2 (Image)	CV8IL4USDV	CV8IL4CADV	8" in-line 4 unit header kit		
TRW02 + 03 TRS02ILW + 03	CV8IL5USDV	CV8IL5CADV	8" in-line 5 unit header kit		
TRW03 x 2 TRS03ILW x 2	CV8IL6USDV	CV8IL6CADV	8" in-line 6 unit header kit		
TRW03 + 02 + 02 TRS03ILW + 02 + 02	CV8IL7USDV	CV8IL7CADV	8" in-line 7 unit header kit		
TRW03 + 03 + 02 TRS03ILW + 03 + 02	CV8IL8USDV	CV8IL8CADV	8" in-line 8 unit header kit		



SAMPLE HORIZONTAL TERMINATION ASSEMBLY



SAMPLE ROOF TERMINATION ASSEMBLY



ROOM AIR 8" COMMON VENT HEADER KITS

Rack Model Number	U.S. (PPTl)	Canada (PPs)	Description (Exhaust Only)	Image	
	Item Number	Item Number			
TRS03	CV8BB3USRA	CV8BB3CARA	8" back-to-back 3 unit header kit		
TRS04	CV8BB4USRA	CV8BB4CARA	8" back-to-back 4 unit header kit		
TRS05	CV8BB5USRA	CV8BB5CARA	8" back-to-back 5 unit header kit		
TRS06 (Image)	CV8BB6USRA	CV8BB6CARA	8" back-to-back 6 unit header kit		
TRS04 + TRS03	CV8BB7USRA	CV8BB7CARA	8" back-to-back 7 unit header kit		
TRS04 x 2	CV8BB8USRA	CV8BB8CARA	8" back-to-back 8 unit header kit		
TRW03 TRS03ILW (Image)	CV8IL3USRA	CV8IL3CARA	8" in-line 3 unit header kit		
TRW02 x 2 TRS02ILW x 2	CV8IL4USRA	CV8IL4CARA	8" in-line 4 unit header kit		
TRW02 + 03 TRS02ILW + 03	CV8IL5USRA	CV8IL5CARA	8" in-line 5 unit header kit		
TRW03 x 2 TRS03ILW x 2	CV8IL6USRA	CV8IL6CARA	8" in-line 6 unit header kit		
TRW03 + 02 + 02 TRS03ILW + 02 + 02	CV8IL7USRA	CV8IL7CARA	8" in-line 7 unit header kit		
TRW03 + 03 + 02 TRS03ILW + 03 + 02	CV8IL8USRA	CV8IL8CARA	8" in-line 8 unit header kit		

Product Sizing Disclaimers

- You must reference the Common Vent Installation Manual before making the final selection of vent components which are applicable to your Installation.
- All intake parts except the intake termination and PVC adaptor are field sourced by the installer and are not provided by Rinnai.
- If spacing between water heaters is GREATER than 20.5" (center line to center line), the installer must purchase a vent extension and cut to the appropriate length. Refer to the manual for further instructions.
- The length of each additional vent extension must be included in the maximum allowable vent length.
- Maximum equivalent length cannot exceed 100 ft for 7 units or less or 41 ft for 8 units.
- For water heater quantities outside the scope of this document, please contact Rinnai Applications Engineering Department.
- Cvent is not approved for use in Canada.

Cvent elbows equivalent lengths:

45° = 3 ft, 90° = 6 ft

Performance-Enhancing ACCESSORIES

Performance-enhancing accessories can add even more flexibility to precisely engineered Rinnai Tankless Water Heaters.



MCC-91-2W

DIGITAL TEMPERATURE CONTROL

Rinnai units are digitally controlled for a precise temperature set-point. The MCC-91 controller is needed for temperatures above 140° F to 185° F for Ultra and Luxury models (not required for C199).

CONDENSATE NEUTRALIZATION TANK (103000067)

The condensate produced by condensing tankless water heaters is acidic and has the potential to harm the environment and sewer system. Rinnai's Condensate Neutralization Tank will neutralize the condensate to a more neutral pH level before it is discharged to drain.



MAINTENANCE INDICATION SWITCH (MIS) (103000037)

The MIS is used to connect Rinnai Tankless Water Heaters to a central building management system (BMS), which then notifies the building or facility manager if a unit is experiencing a critical error code. This helps to minimize downtime associated with non-operating units and ensures any problem with individual or multiple units is quickly resolved.

MULTI-SYSTEM CONTROLLER (REU-MSB-M: MASTER CONTROLLER; REU-MSB-C1: TANKLESS TO TANKLESS CABLE; REU-MSB-C2: MSB-M CONNECTION CABLE)

Connect up to 25 TWH units for your most demanding applications. CONTROLLER: rotates unit activation to ensure that each gets equal run-time, greatly extending the overall life of the system.



EZCONNECT® CABLE (REU-EZC-1-US)

Electronically connects two units so they function as one hot water source.

Protect Your Investment And Enjoy Worry-Free **BUSINESS OPERATIONS**

RINNAI COMMERCIAL WATER HEATING MAINTENANCE SERVICES

With preventive maintenance packages by Rinnai, your investment gives returns for years to come.

MAINTENANCE SERVICES

- Rinnai recommended routine maintenance protecting the operation and longevity of your investment and minimizing business interruptions including:
 - Water heating system, tankless water heater and components, venting and rack system inspections
 - Tankless unit flushing
- Rinnai trained technicians ensure quality control and worry-free business operations
- Maintain peak performance and reduce or eliminate business interruptions with regular monitoring, inspections and reporting that follow Rinnai quality and reliability protocols and maintenance processes
- Rinnai quality and reliability protocols translated to maintenance process to deliver performance you can trust

For complete details on Commercial Water Heating Solutions and Maintenance Services, call 866-383-0707 or email commercialservices@rinnai.us



Rinnai[®]

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, 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.



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

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Local, state, provincial, federal and national fuel gas codes must be adhered to prior to and upon installation.