

It Won't Just Meet Your Hot Water Needs
IT WILL EXCEED THEM.



RH180 HYBRID TANK-TANKLESS WATER HEATER



Rinnai

More of what you want. When you want it.

THE RINNAI RH180 HYBRID TANK-TANKLESS WATER HEATER DELIVERS.

At Rinnai, there's a passion for products that perform at their absolute best. That's why the new Rinnai RH180 Hybrid Tank-Tankless Water Heater was built to do the remarkable. With more hot water and less recovery time than a traditional tank water heater, you'll experience the remarkable!

What's more, by welcoming Rinnai into your home, superior engineering, smart design and unmatched quality is part of the package.





Enjoy hot water at the pace of your life.

With a busy life, you need every advantage you can get. Because the Rinnai RH180 Hybrid Tank-Tankless Water Heater replenishes its hot water supply much more quickly than a traditional tank water heater, it puts time on your side.

Imagine your entire family taking back-to-back showers and never running out of hot water! If utilizing simultaneous hot water fixtures results in your hot water supply depleting, a Rinnai RH180 Hybrid Tank-Tankless Water Heater will replenish your hot water supply more than twice as fast as a 40-gallon traditional tank water heater.*

Simplify your life.

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

In fact, hot water usage becomes such a habit over the years that we just accept it as part of life. But it doesn't have to be. The innovative design of the Rinnai RH180 Hybrid Tank-Tankless Water Heater combines the on-demand heating technology of a tankless water heater with an efficient storage tank. The result? The hot water you need flows right into your daily schedule. It's that simple.

*Based on internal Rinnai testing.

The Rinnai RH180 Hybrid Tank-Tankless Water









MAKES FOR A CONVENIENT WAY

to get a fast upgrade.

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

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

When it comes to water heating solutions, the differences are clear.

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

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

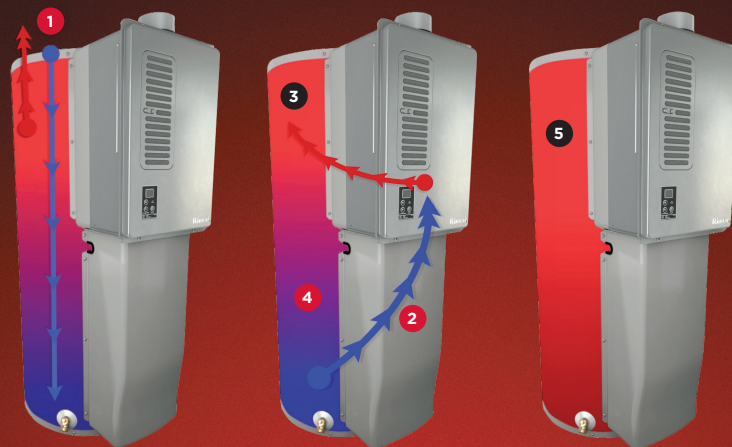
Heater DELIVERS MORE OF WHAT YOU WANT.



Standard Hookups Make Installation Quick and Easy.

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

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



HOW IT WORKS.

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


Here are the basics:

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



THE RINNAI RH180 HYBRID TANK-TANKLESS WATER HEATER **ADVANTAGES**

- Advanced tankless technology heats water quickly and provides more hot water, saving you valuable time and simplifying your life
- Replenishes hot water faster so you'll get more out of every day
- Standard tank connections mean quick and easy installation, making it perfect for emergency replacement and home remodeling
- Controller with diagnostic capabilities makes it simple to operate
- Easy parts and service accessibility for fast repairs

Hybrid Tank-Tankless	
	
Model	RH180
Dimensions - w, h, d Inches (mm)	20 x 51.2 x 27.5 (508 x 1,300.5 x 698.5)
Weight (lbs / kg)	168.5 / 68
Installation Type	Indoor
Min./Max. BTU (natural gas)	59,500/91,300
Min./Max. BTU (propane)	47,600/87,300
Energy Factor	80% Thermal Efficiency
Temp. Range Residential	110°–140° F (43°–60° C)
Temp. Range Commercial	Residential Only
Min. Activation Rate	N/A
Flow Rate (70° / 50° Temp. Rise)	N/A
Hot Water Flow Rate Range	First Hour Rating: 180 gph‡
Controller (standard)	Integrated
Controllers (optional)	N/A
Ultra Low NOx	no
Warranty (Residential)*	HEX 10 yrs; tank 6 yrs; parts 3 yrs; labor 1 yr
Warranty (Commercial)*	Residential Only
Mobile Home Certified	no
Valves Shipped in Box	no
High Altitude Approved	Up to 5,400 ft. (1,646 m)
Certifications	AHRI and CSA
Venting Options	4" UL Listed B-Vent
TRS Compatible	no
½" Gas Line Compatible***	yes

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

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

‡ Based on DOE first hour test (IOCFR, Part 430).

Don't just meet your hot water needs.
EXCEED THEM.



V65e Tankless
Water Heater

RL75i Tankless
Water Heater

RH180 Hybrid
Tank-Tankless
Water Heater

RUR98i Tankless
Water Heater

With Rinnai's comprehensive line of Tankless and Hybrid Tank-Tankless Water Heaters, you'll satisfy all your hot water needs. Here's how:

Rinnai Tankless Water Heaters

- Provide the ultimate experience of comfort and convenience with an enjoyable, endless supply of hot water wherever and whenever it's needed
- Save money through increased energy efficiency and a longer average life span*
- Optimize space—with no tank necessary, a Rinnai uses less room due to its space-saving design
- Maximize commercial operations and cost savings with technologies that coordinate multiple units for exceptional water heating performance

Rinnai Hybrid Tank-Tankless Water Heaters

- Maximize your time with more available hot water
- Replenish hot water quickly so there's less time spent waiting
- Install quickly and easily with standard tank connections

*Based on the DOE ENERGY STAR® life cycle estimates compared to traditional tank water heaters.

A tradition of **TRUE RELIABILITY.**

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

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



Rinnai®

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

www.rinnai.us

Rinnai America Corporation • 103 International Drive, Peachtree City, GA 30269
Toll-Free: 1-800-621-9419 • Phone: 678-829-1700 • www.rinnai.us

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