



Rinnai®

RINNAI CONDENSING TECHNOLOGY FOR WHOLE HOUSE HEATING AND WATER HEATING

RINNAI CONDENSING WALL-MOUNTED GAS BOILERS • CONDENSING TANKLESS WATER HEATERS



ultra-efficiency

The Rinnai Condensing Wall-Mounted Gas Boiler

Benefits at a glance

- Up to 96.5% AFUE efficiency
- Stainless steel primary boiler heat exchanger
- Copper nickel integrated secondary plate exchanger
- Compact wall-mounted design saves space over traditional boilers
- Super quiet operation
- Optional internal 3-way valve eliminates the need for a pump for the indirect tank
- Outdoor reset function with sensor included
- Plumbing kits with low-loss header included
- Choose between propane or natural gas units (conversion kits available)
- Variety of venting options available, with direct-vent ready out-of-the-box; dual-pipe adaptor included
- ASME accredited units
- ENERGY STAR® qualified models

Optimum comfort. Minimum heating costs.

Heat an entire home – even get domestic hot water – with the economical, reliable and compact choice from Rinnai. Now, the premier name in tankless water heating brings you two new series of wall-mounted, condensing gas boilers that can be easily retrofitted to replace traditional, less efficient boilers or provide simple, space-saving installation in new builds. All seven models feature Rinnai's exclusively designed stainless steel heat exchanger to deliver unparalleled performance and efficiency.



Choose from two lines, designed to fit your application.

Rinnai offers more efficiency, more energy cost savings and more durability. Choose from the Rinnai E Series, perfect for homes with small domestic hot water needs, or the Q Series, ideal in all homes where more sophisticated demands call for zone heating. Four heating-only models and three combi models offer maximum BTU inputs ranging from 75,000 to 205,000 and operate on either natural or LP gas.

Rinnai E Series

- Two compact combi models for heating and domestic hot water
- Stainless steel boiler heat exchanger for heating
- Copper nickel integrated plate heat exchanger for domestic hot water
- Integrated single-speed pump and expansion tank
- A variety of venting options

Rinnai Q Series

- Fully modulating pump combines with stainless steel heat exchanger to make this one of the more efficient units available
- Combi unit includes 6.6 gallon fully insulated indirect tank
- Optional 3-way diverter valve (indirect DHW tank kit) available for "S" System models



Q Series Model 175C



ULTRA-EFFICIENT
CONDENSING TECHNOLOGY
*Up to 96.5% Efficiency

E Series
Model E75C



RS100

The ultimate in control

RS100 Controller

- Simple digital controller with backlit display
- Direct communication with boiler
- Adaptive room control
- Error reporting and auto service message
- Automatic summer/winter time change
- Local override of the room temperature
- Flow temperature control
- Features three clock programs and three week profile programs; programmable for holidays

Rinnai Condensing Wall-Mounted Gas Boilers – "C" Combi and "S" System

Models	E75C	E110C	Q85S	Q130S	Q175S	Q175C	Q205S
Dimensions	W 20" (500 mm) H 26" (650 mm)* D 16" (395 mm)	W 20" (500 mm) H 26" (650 mm)* D 16" (395 mm)	W 20" (500 mm) H 27" (680 mm) D 15" (385 mm)	W 20" (500 mm) H 27" (680 mm) D 15" (385 mm)	W 26" (660 mm) H 27" (680 mm) D 15" (385 mm)	W 40" (1000 mm) H 27" (680 mm) D 15" (385 mm)	W 26" (660 mm) H 27" (680 mm) D 15" (385 mm)
Weight	86 lbs (39 kg)	88 lbs (40 kg)	110 lbs (50 kg)	117 lbs (53 kg)	141 lbs (64 kg)	196 lbs (89 kg)	141 lbs (64 kg)
Minimum/Maximum Input BTU (Heating)	17,000-75,000 (NG) 37,000-75,000 (LP)	26,000-110,000 (NG) 59,000-110,000 (LP)	17,000-85,000 (NG) 37,000-85,000 (LP)	26,000-130,000 (NG) 59,000-130,000 (LP)	35,000-175,000 (NG) 74,000-175,000 (LP)	35,000-175,000 (NG) 74,000-175,000 (LP)	41,000-205,000 (NG) 74,000-205,000 (LP)
Minimum/Maximum Input BTU (Direct Hot Water)	17,000-85,000 (NG) 37,000-85,000 (LP)	26,000-130,000 (NG) 59,000-130,000 (LP)					
Maximum Flow Rate Domestic Hot Water	2.1 GPM (75° F Delta T)	4.8 GPM (50° F Delta T)	Indirect tank compatible	Indirect tank compatible	Indirect tank compatible	6.2 GPM (50° F Delta T)	Indirect tank compatible
AFUE Rating (NG and LP)	96.5%	96.1%	96.5%	96.1%	95.7%	95.7%	95.7%
Optional Digital Controller (s)	RS100	RS100	RS100	RS100	RS100	RS100	RS100

*Includes expansion tank

top-of-the-line

The Rinnai Condensing Tankless Water Heater

Same great tankless. Incredible new efficiency.

Now the name that's synonymous with innovative tankless water heating is setting the bar even higher. Rinnai's newest tankless addition incorporates condensing technology to create the most efficient, most durable tankless water heater design on the market today.

Available in two models, suitable for mid- to large-sized homes, Rinnai's new Condensing Tankless Water Heaters offer all the same benefits builders and homeowners have come to expect from Rinnai. Never run out of hot water again, and enjoy the space savings, convenience, ease of installation and peace of mind for which Rinnai is famous.

The efficiency of condensing technology

Rinnai's unique condensing design incorporates two innovative heat exchangers to achieve optimum heating value from every cubic foot of natural gas or propane. The stainless steel system recaptures residual heat from flue gases to pre-heat incoming ground water, which then circulates to the primary copper heat exchanger.

Delivering up to 95% thermal efficiency, Rinnai's tankless condensing units are ideal for residential and commercial applications and can be banked for even greater capacity.

And, of course, you'll enjoy all the same benefits that have made Rinnai the #1-selling gas tankless water heater brand in the U.S. The Rinnai Tankless Water Heater brand can offer you high efficiency, reliability and greater service with technical support.



Benefits at a glance

- Up to 95% thermal efficiency
- All the advantages of tankless water heating
- Condensing technology for greater efficiency and significant energy savings
- Capacity to supply continuous hot water simultaneously to multiple plumbing demands
- Significant space savings over tank-style water heaters
- More sanitary hot water supply
- Flexible indoor or outdoor installation options
- Long-lasting design and reduced risk of flooding
- Pair up with an air handler for efficient home heating



Coming Soon

RC98HPI Residential/Commercial Models

Models available in Natural Gas or Propane	RC98HPI (Interior)	RC98HPE (Exterior)
Dimensions	W 19" (483 mm) H 26" (650 mm) D 10" (254 mm)	W 19" (483 mm) H 26" (650 mm) D 10" (254 mm)
Weight	71 lbs (32 kg)	71 lbs (32 kg)
Minimum/Maximum Gas Rate (Input BTU's)	10,000/199,000	10,000/199,000
Hot Water Capacity Range	0.4 to 9.8 GPM	0.4 to 9.8 GPM
Energy Factor (NG and LP)	.93	.93
Temperature Range (Min - Max)	Residential 98° F - 140° F Commercial* 98° F - 185° F	98° F - 140° F 98° F - 185° F
Standard Digital Controller	MC-91-1	MC-91-1
Commercial Controller	MCC-91-1	MCC-91-1



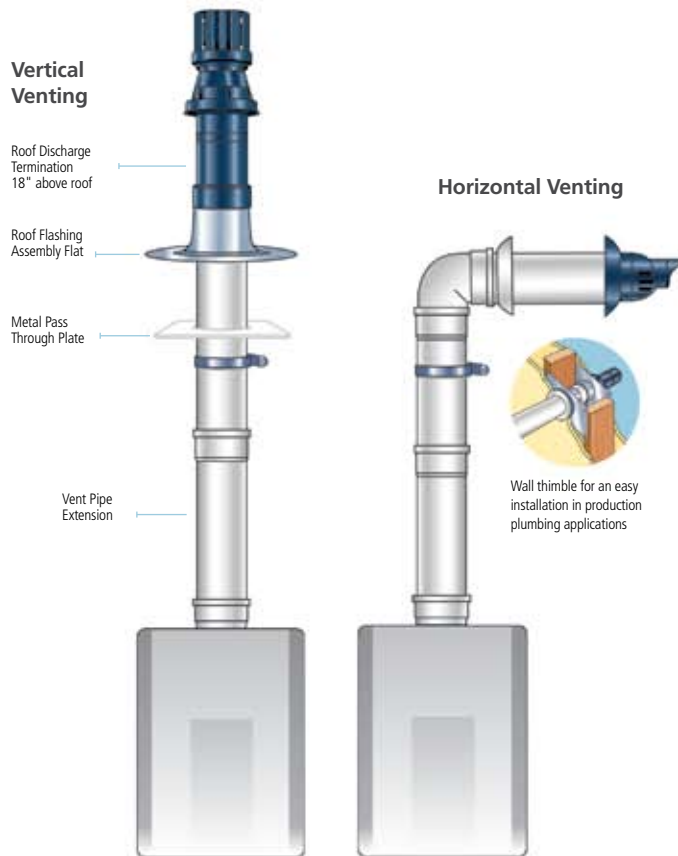
ULTRA-EFFICIENT CONDENSING TECHNOLOGY

*Up to 95% Efficiency

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

The Safe and Cost Effective Choice in Venting

Rinnai introduced the combination of tankless technology and concentric venting to North America to deliver a high level of comfort, efficiency, and safety. In keeping with our commitment to reliability and safety, Rinnai Condensing Tankless Water Heaters will utilize concentric venting with a polypropylene inner pipe that is designed to better withstand varying flue temperature conditions that may be experienced over the life of a product. Rinnai prefers that concentric venting be comprised of polypropylene, for a safer, more cost effective, and more aesthetically pleasing product.



Rinnai's PP concentric venting is the safe solution

- Engineered especially for gas appliance venting
- Positive fit and lock allows for installation assurance
- Two layers of pipe equals two layers of protection
- Seals at every joint expand and contract with weather and temperature changes, so there's no flexing or cracking in the venting
- No flammable, messy or harmful glues, cements, or solvents are used
- Concentric venting allows zero clearance from combustibles

Rinnai's concentric venting is price effective and aesthetically pleasing

- The extra measure of safety afforded by Rinnai concentric venting is available at a cost comparable to other venting methods
- Only one pipe run is required, speeding installation and reducing cost and space
- Special roof and side terminations create a high-end look

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

OTHER RINNAI LITERATURE AVAILABLE



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