



Product Brochure  
Mid-Efficiency Tankless Series

# CONTINUOUS HOT WATER FROM RUUD TANKLESS

## Tankless Mid-Efficiency

### Ruud RUTG Series of Ultra Low NOx Tankless Gas Water Heaters

- .81 - .82 UEF with All-Copper Heat Exchanger
- Indoor Direct Vent and Outdoor Models
- Ruud Exclusive Water Savings Setting
- Digital Remote Control Diagnostics



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# Ruud Mid-Efficiency Ultra Low NOx Tankless

## Ruud® Mid-Efficiency Series Tankless Water Heaters are packed with business-building features.

### Efficiency

- .81 - .82 UEF with all-copper heat exchanger
- Intelligent electronic controls designed to increase energy efficiency and safety

### Easy Installation and Service

- 1/2" Gas line compatibility up to 24 ft.<sup>1</sup>
- **Exclusive! Maintenance Notice Setting** – Alerts homeowner – flashing a warning code to call for service check (optional)
- Self-diagnostic system
- 3"/5" concentric vent system with Integrated condensate collector
- Connects to Metal Fab. Inc., 3"/5" concentric venting without an adapter
- High-altitude capability – up to 8,400 ft. elevation above sea level<sup>2</sup>
- Digital remote control and 10 ft. of thermostat wire included
- Requires 120V power supply (indoor models only)

### Performance

- **Industry Best! Low Flow Activation** – Minimum flow rate of .26 GPM and activation flow rate of .40 GPM ensures hot water in low demand situations
- **Exclusive! Hot Start Programming** – Minimizes cold water bursts by staying in ready-fire state for back-to-back hot water needs

### Technology

- **EcoNet® Enabled** – all Tankless products from 2010 to present can connect to EcoNet mobile app via Tankless EcoNet Accessory Kit (REWRA630TWH)
- For higher demand applications, accessories available to link multiple units in a load-sharing system



### Environmentally Friendly

- **Low Emissions** – Ultra low NOx burner meets SCAQMD rule 1146.2 requirements
- **Exclusive! Water Savings Setting** – Save up to 1,100 gal/year<sup>3</sup> by reducing water flow at tap until set temperature is achieved (Optional)

### Safety

- **Exclusive! Guardian Overheat Film Wrap**
- **Industry Best!** Freeze protection to -30°F
- Maximum water temperature is 140°F. For higher temperature applications, upgrade kits are available

### Warranty

- 12-Year heat exchanger – residential, 5-year heat exchanger – commercial, 5-year parts and 1-year labor
- See Warranty Certificate for complete information

**.81-.82**  
UNIFORM  
ENERGY  
FACTOR



**RUTG-RC95DVLN-1**  
Indoor DV ONLY  
11,000-199,900  
BTU/h  
Natural and LP Gas

Recirculation  
saves up to  
**12,000**  
GALLONS  
water/year<sup>4</sup>

## Ruud Mid-Efficiency Tankless Water Heater with Built-In Recirculation

### Built-In Recirculation

- 199,900 BTU/h Indoor model ONLY (For other variants consider on-demand recirculation pump kit)
- Extended cabinet houses pre-plumbed recirculation pump for easy install and clean look
- Recirculation provides faster hot water at the tap saving homeowner time
- **Max. Pipe Lengths:**  
3/4" copper pipe – 400 ft. total  
1/2" copper pipe – 100 ft. total

### Recirculation Pump

- 008-CT Taco Genie On Demand Pump
- Wired push button (included)
- Separate power cord (2 total for unit)

### Accessories

- **Service Valves** – To isolate unit for easy flushing and maintenance (included)
- **Crossover Valve** – Uses cold water line for recirculation reducing install time (included)
- **Remote Transmitter & Motion Sensor Activation Accessories** for On-Demand Recirculation pump (optional)



## Ruud Tankless Water Heater with EcoNet® WiFi Included

### Smart Home Features

- Water leak detection alert and system shut off (indoor models only) – may qualify for insurance discounts
- Mobile alerts for notifications/maintenance reminders
- Mobile gas and water usage reports
- Integration with NEST & WINK smart home systems

### Product Includes

- Factory-installed translator
- Leak detection cable (for indoor models)
- WiFi Module, connection cable and power cord

App available free in App Store and Google Play for Android



**RUTG-95DVLN-1**  
Indoor DV with EcoNet®  
11,000-199,900 BTU/h Only  
(Outdoor model also available)



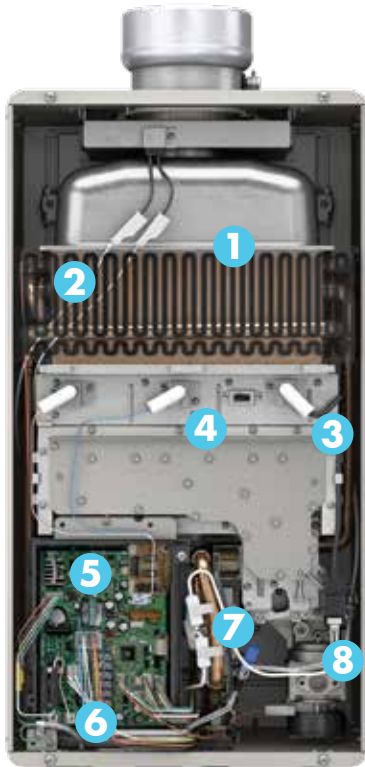
<sup>1</sup> Based on Ruud testing of 1/2" gas line with gas supply of 7" w.c. up to 24'; Installation conditions vary; Consult the Ruud® Use and Care Manual, the Ruud® Gas Piping Facts brochure (TKR-GPF-12), the National Fuel Gas Code (NFPA 54, ANSI Z223.1), and any other local gas codes when installing a Ruud Tankless Water Heater.

<sup>2</sup> Contact customer service for exact altitude rating for each model.

<sup>3</sup> Savings based on DOE test procedures.

<sup>4</sup> Savings per News Bulletin released by the United States Department of Energy / Oak Ridge National Laboratory, November 2002 on study on water and energy savings in residential homes using Hot Water Recirculating System.

# Superior Construction & Reliability



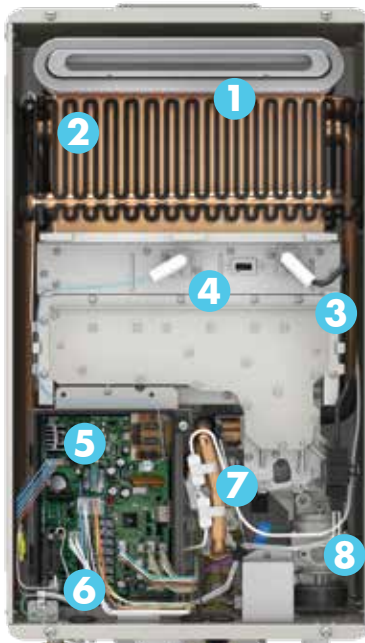
3/4" Hot Water Outlet    External Connection for Remote Control Cable    3/4" Cold Water Inlet    3/4" Gas Connection

## Indoor Direct Vent

- 1 All-Copper Heat Exchanger
- 2 Over Heat Film Wrap
- 3 Electronic Spark Ignition
- 4 160,000 - 199,900 BTU/h Modulating Burner
- 5 Electronic Control Board
- 6 Built-in Electric Blower
- 7 Water Flow Control System
- 8 Modulating Gas Valve



EcoNet® Enabled – All tankless models from 2010 to present can connect to EcoNet mobile app via Tankless EcoNet Accessory Kit (REWRA630TWH)



3/4" Hot Water Outlet    External Connection for Remote Control Cable    3/4" Cold Water Inlet    3/4" Gas Connection

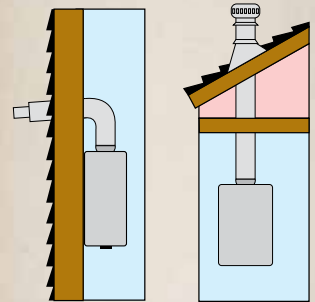
## Outdoor

- 1 All-Copper Heat Exchanger
- 2 Over Heat Film Wrap
- 3 Electronic Spark Ignition
- 4 160,000 - 199,900 BTU/h Modulating Burner
- 5 Electronic Control Board
- 6 Built-in Electric Blower
- 7 Water Flow Control System
- 8 Modulating Gas Valve

## Venting Options and Installations



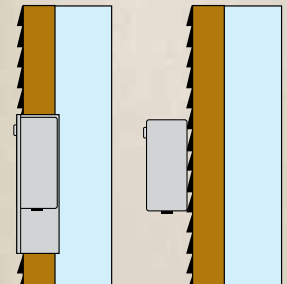
### 3"/5" Concentric Vent System



Indoor horizontal vent termination

Indoor vertical vent termination

All indoor tankless units must be vented vertically or horizontally to the outdoors using manufacturer approved venting material. See the installation instructions for each specific model.



Outdoor\* recess box installation

Outdoor\* installation

\*Outdoor units do not require venting materials.

Venting details, including clearances and diagrams can be found in the "Use & Care Manual" of Ruud indoor tankless water heaters.

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**800.621.5622**

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## Specifications

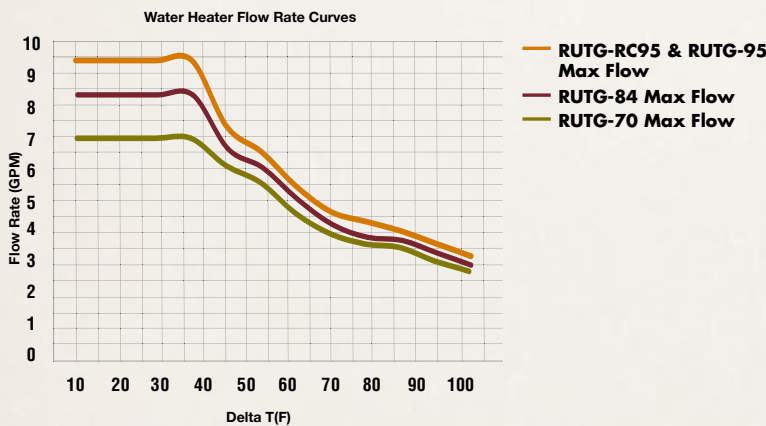
| DESCRIPTION                               |                 |                          |                      | FEATURES      |                          |                     |                     |          |            | ROUGHING IN DIMENSIONS (SHOWN IN INCHES) |        |        |       |                   |                    | ENERGY INFO.  |                             |
|---|-----------------|--------------------------|----------------------|---------------|--------------------------|---------------------|---------------------|----------|------------|--|--------|--------|-------|-------------------|--------------------|---------------|-----------------------------|
| MODEL NUMBER                              | GAS INPUT BTU/H | TYPE                     | NUMBER OF BATHROOMS* | TEMP. RANGE   | MIN. FLOW/ACTIVATION GPM | GPM @ 67° RISE MAX. | GPM @ 45° RISE MAX. | MAX. GPM | CONNECTION |  | HEIGHT | WIDTH  | DEPTH | VENT DIAM.        | SHIP WEIGHT (LBS.) | ENERGY FACTOR | UNIFORM ENERGY FACTOR (UEF) |
|   |                 |                          |                      |               |                          |                     |                     |          | WATER      | GAS                                      |        |        |       |                   |                    |               |                             |
| <b>Ruud RUTG-95 Mid-Efficiency Series</b> |                 |                          |                      |               |                          |                     |                     |          |            |  |        |        |       |                   |                    |               |                             |
| RUTG-RC95DVLN-1                           | 11,000-199,900  | Indoor DV w/ Recurc Pump | 3-4                  | 85° to 140° F | 0.26/0.40                | 5.0                 | 7.4                 | 9.5      | 3/4        | 3/4                                      | 36-3/4 | 13-7/8 | 9-7/8 | 3 by 5 CONCENTRIC | 80                 | 0.82          | 0.82                        |
| RUTG-95DVLN-1                             | 11,000-199,900  | Indoor Direct Vent       | 3-4                  | 85° to 140° F | 0.26/0.40                | 5.0                 | 7.4                 | 9.5      | 3/4        | 3/4                                      | 25-5/8 | 13-7/8 | 9-7/8 | 3 by 5 CONCENTRIC | 54                 | 0.82          | 0.82                        |
| RUTG-95DVLN-1 (EcoNet® Included)          | 11,000-199,900  | Indoor Direct Vent       | 3-4                  | 85° to 140° F | 0.26/0.40                | 5.0                 | 7.4                 | 9.5      | 3/4        | 3/4                                      | 25-5/8 | 13-7/8 | 9-7/8 | 3 by 5 CONCENTRIC | 54                 | 0.82          | 0.82                        |
| RUTG-95XLN-1                              | 11,000-199,900  | Outdoor                  | 3-4                  | 85° to 140° F | 0.26/0.40                | 4.9                 | 7.4                 | 9.5      | 3/4        | 3/4                                      | 23-5/8 | 13-7/8 | 8-7/8 | N/A               | 54                 | 0.82          | 0.81                        |
| RUTG-95XLN-1 (EcoNet® Included)           | 11,000-199,900  | Outdoor                  | 3-4                  | 85° to 140° F | 0.26/0.40                | 4.9                 | 7.4                 | 9.5      | 3/4        | 3/4                                      | 23-5/8 | 13-7/8 | 8-7/8 | N/A               | 54                 | 0.82          | 0.81                        |
| <b>Ruud RUTG-84 Mid-Efficiency Series</b> |                 |                          |                      |               |                          |                     |                     |          |            |  |        |        |       |                   |                    |               |                             |
| RUTG-84DVLN-1                             | 11,000-180,000  | Indoor Direct Vent       | 3                    | 85° to 140° F | 0.26/0.40                | 4.5                 | 6.7                 | 8.4      | 3/4        | 3/4                                      | 25-5/8 | 13-7/8 | 9-7/8 | 3 by 5 CONCENTRIC | 54                 | 0.82          | 0.82                        |
| RUTG-84XLN-1                              | 11,000-180,000  | Outdoor                  | 3                    | 85° to 140° F | 0.26/0.40                | 4.5                 | 6.7                 | 8.4      | 3/4        | 3/4                                      | 23-5/8 | 13-7/8 | 8-7/8 | N/A               | 54                 | 0.82          | 0.81                        |
| <b>Ruud RUTG-70 Mid-Efficiency Series</b> |                 |                          |                      |               |                          |                     |                     |          |            |  |        |        |       |                   |                    |               |                             |
| RUTG-70DVLN-1                             | 11,000-160,000  | Indoor Direct Vent       | 2-3                  | 85° to 140° F | 0.26/0.40                | 3.8                 | 5.6                 | 6.4      | 3/4        | 3/4                                      | 25-5/8 | 13-7/8 | 9-7/8 | 3 by 5 CONCENTRIC | 54                 | 0.82          | 0.82                        |
| RUTG-70XLN-1                              | 11,000-160,000  | Outdoor                  | 2-3                  | 85° to 140° F | 0.26/0.40                | 3.8                 | 5.6                 | 6.4      | 3/4        | 3/4                                      | 23-5/8 | 13-7/8 | 8-7/8 | N/A               | 54                 | 0.82          | 0.81                        |

\*Based on simultaneous showers using 2.5 gallons per minute. Flow rates vary depending on temperature of cold water supply. Uniform Energy Factor and Energy Factor based on Department of Energy (D.O.E.) requirements. All models are available in Natural Gas and Propane (LP). For Propane replace the N with P when ordering. SCAQMD 1146.2 compliant. Factory set maximum temperature is 120° F. See Use and Care Manual for setting. Consult factory for information on sizing the application. Vent Termination Kits are required for Direct Vent models. Contact your distributor for details. Proper gas pressure must be ensured to supply tankless gas water heaters – up to 199,900 BTU/h for RUTG-95 models, up to 180,000 BTU/h for RUTG-84 models and up to 160,000 BTU/h for RUTG-70 models. (Consult your gas supplier)



| Model Number               | Temperature Rise (° F) |     |     |     |     |     |     |     |      |  |
|----------------------------|------------------------|-----|-----|-----|-----|-----|-----|-----|------|--|
|                            | 35°                    | 45° | 50° | 60° | 67° | 70° | 80° | 90° | 100° |  |
| RUTG-RC95 Water Flow (GPM) | 9.5                    | 7.4 | 6.6 | 5.5 | 5.0 | 4.7 | 4.1 | 3.7 | 3.3  |  |
| RUTG-95 Water Flow (GPM)   | 9.5                    | 7.4 | 6.6 | 5.5 | 5.0 | 4.7 | 4.1 | 3.7 | 3.3  |  |
| RUTG-84 Water Flow (GPM)   | 8.4                    | 6.7 | 6.1 | 5.1 | 4.5 | 4.3 | 3.8 | 3.4 | 3.0  |  |
| RUTG-70 Water Flow (GPM)   | 7.0                    | 6.0 | 5.4 | 4.5 | 4.1 | 3.9 | 3.4 | 3.0 | 2.7  |  |

Above estimates are for sizing purposes only.



### Maximum Vent Length (intake/outlet):

| Number of 90° Elbows | Maximum Length of Straight Pipe |
|----------------------|---------------------------------|
| 1                    | 39.0 ft. (12.0 m)               |
| 2                    | 37.5 ft. (11.5 m)               |
| 3                    | 36 ft. (11 m)                   |
| 4                    | 34.5 ft. (10.5 m)               |
| 5                    | 33.0 ft. (10.0 m)               |
| 6                    | 31.5 ft. (9.5 m)                |



For more information on Tankless parts and accessories, see the Parts and Accessories Catalog or call 866-720-2076.

In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.

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