

Encore

Encore RMTG is a series of ultra low NOx, Mid Efficiency Tankless Gas Water Heaters designed for continuous hot water

EFFICIENCY

- .81 - .82 UEF with all-copper heat exchanger

EASY INSTALLATION AND SERVICE

- 1/2" Gas line compatibility up to 24 ft.¹
- **Exclusive! Maintenance Notice Setting** – Alerts homeowner, after 500 hours of use, to call for service (optional)
- Connects to Metal Fab. Inc., 3"/5" concentric venting without an adapter
- High-altitude capability – up to 8,400 ft. elevation above sea level²
- Digital remote control shows temperature setting and service codes
- Requires 120V power supply

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** – upon activation, this setting can save up to 1,100 gallons water/year³ by reducing flow at the tap until set temperature is achieved (optional)

SAFETY

- **Exclusive! Guardian OFW™ overheating film wrap** – prevents dangerous temperatures and provides industry best side-to-side clearance of 1/2 inch
- **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

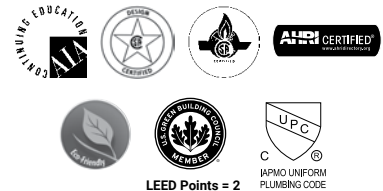
See Warranty Certificate for complete information



Indoor DV

Outdoor

Encore
Mid Efficiency Tankless
11,000-199,900 BTU/h
Natural and LP Gas



Richmond Mid-Efficiency Tankless Water Heater with Built-In Recirculation

Same specifications as standard Mid-Efficiency models with added water savings and faster hot water.

RMTG-RC95DVLN-1

Indoor DV Only
11,000-199,900 BTU/h
Natural and LP Gas

Recirculation
saves up to
12,000
GALLONS
water/year⁴

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 for pump (optional)

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

²Contact customer service for exact altitude rating for each model.

³Savings based on DOE test procedures.

⁴Savings 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.

Encore

Mid Efficiency Tankless 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.) | UNIFORM ENERGY FACTOR (UEF) | |
| | | | | | | | | | WATER | GAS | | | | | | | |
| Richmond Encore® RMTG-95 | | | | | | | | | | | | | | | | | |
| RMTG-RC95DVLN-1 (Recirculation Pump Included) | 11,000-199,900 | Indoor DV w/ Recirc 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 | |
| RMTG-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 | |
| RMTG-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 | 0.81 | |
| Richmond Encore® RMTG-84 | | | | | | | | | | | | | | | | | |
| RMTG-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 | |
| RMTG-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 | 0.81 | |
| Richmond Encore® RMTG-70 | | | | | | | | | | | | | | | | | |
| RMTG-70DVLN-1 | 11,000-160,000 | Indoor Direct Vent | 2-3 | 85° to 140° F | 0.26/0.40 | 4.1 | 6.0 | 7.0 | 3/4 | 3/4 | 25-5/8 | 13-7/8 | 9-7/8 | 3 by 5 CONCENTRIC | 54 | 0.82 | |
| RMTG-70XVNL-1 | 11,000-160,000 | Outdoor | 2-3 | 85° to 140° F | 0.26/0.40 | 4.1 | 6.0 | 7.0 | 3/4 | 3/4 | 23-5/8 | 13-7/8 | 8-7/8 | N/A | 54 | 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 "N" with "P" in model number. Example RMTG-95DVLN-1.

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 RMTG-95 models, up to 180,000 BTU/h for RMTG-84 models and up to 160,000 BTU/h for RMTG-70 models. (Consult your gas supplier)

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

