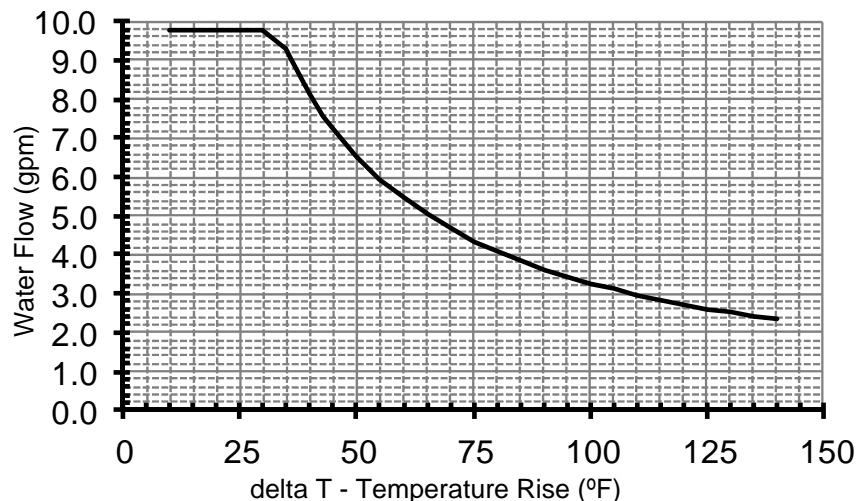


<b>Type of Appliance</b>	<ul style="list-style-type: none"> <li>• Temperature controlled, continuous flow, gas hot water system</li> <li>• Certified for installation in manufactured (mobile) homes</li> <li>• Forced combustion</li> <li>• Energy Star qualified</li> </ul>
<b>Rinnai Model Number</b>	REU-VC2837WD-US
<b>Minimum/Maximum Gas Rate (Input)</b>	10,300 - 199,000 BTU/h
<b>Electrical</b>	Appliance: AC 120 Volts - 60 Hz Controller: DC 12 Volts
<b>Electrical Consumption</b>	Normal: 65 w Standby: 2 w Anti-frost protection: 104 w
<b>Ignition System</b>	Direct electronic ignition
<b>Hot Water Capacity</b>	Minimum flow rate: 0.26 GPM Minimum activation flow rate: 0.4 GPM Maximum flow rate: 9.8 GPM
<b>Temperature</b>	98° - 120° F (factory default) Maximum temperature is selectable at 120° F or at 140° F; 98° - 185° F available with the MCC-91-2 controller for commercial and hydronic applications
<b>Temperature (without remote)</b>	120° F (factory default) or 140° F
<b>Installation</b>	Outdoor only
<b>Energy Factor</b>	Natural Gas: 0.82 Propane: 0.82
<b>Service Connections</b>	Gas supply: 3/4 inch MNPT Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT
<b>Isolation &amp; Pressure Relief Valves Included</b>	Heavy duty forged brass Webstone Isolator valves EXP E2, certified to NSF/ANSI 61-8 for potable water
<b>Water Flow Control</b>	Water flow sensor, electronic water control device and by-pass
<b>Minimum/Maximum Water Supply Pressure</b>	20 - 150 PSI (recommended 30-80 PSI for maximum performance)

*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 installation.*

**FLOW TABLE**



## Water Temperature Control

### Controller

Simulation feed forward and feedback

MC-91-2US (included)  
 Deluxe controller: MC-100V-1US (optional)  
 Bathroom controller: BC-100V-1US (optional)  
 MCC-91-2US (optional; for hydronic and commercial applications)

### Controller Cable

Non-polarized two-core cable, minimum 22 AWG

### Safety Devices

- Flame failure - Flame Rod
- Boiling protection
- Combustion fan rpm check
- Over current - glass fuse
- Remaining flame (OHS)
- Thermal fuse
- Automatic frost protection

### Clearances from Combustibles

- Top of heater - 12 inches
- Front (Panel) - 24 inches
- Front (Exhaust) - 24 inches
- Back of heater - 0 inches
- Ground / bottom - 12 inches
- Sides of heater - 6 inches

### Clearances from Non-combustibles

\* 24 inches required for serviceability

- Top of heater - 2 inches
- Front (Panel) - 0 inches \*
- Front (Exhaust) - 24 inches
- Back of heater - 0 inches
- Ground / bottom - 2 inches
- Sides of heater - 1/8 inch

### Min. / Max. Gas Supply Pressure

Natural Gas: min 5" W.C. max 10.5" W.C.  
 Propane Gas: min 8" W.C. max 13.5" W.C.

### Manifold Gas Pressure (inches W.C.) (sea level)

Natural Gas: high fire 2.7" W.C. low fire 0.61" W.C.  
 Propane Gas: high fire 4.5" W.C. low fire 0.93" W.C.

### NOx

Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NOx emission levels

### Limited Warranty

Heat exchanger: 12 years\* for residential, 10 years for residential and space heating, and 5 years\* for commercial; All other parts: 5 years\*; Labor: 1 year;  
 (\* 3 years if used as a circulating water heater within a circulation loop, when the water heater is in series with a circulation system and all circulating water flows through the water heater, and where an on-demand recirculation system is not incorporated.)  
 Refer to the manual for complete warranty information.

