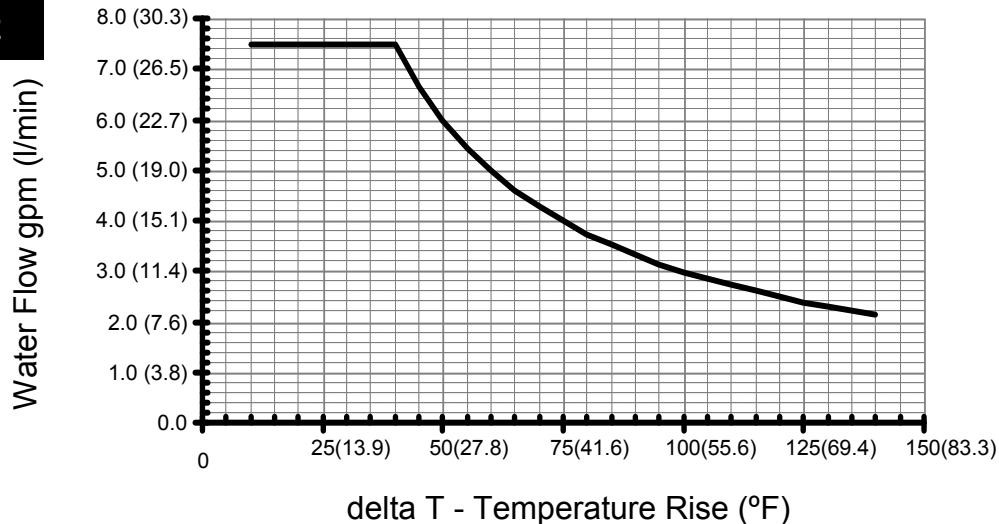


<b>Type of Appliance</b>	<ul style="list-style-type: none"> <li>• Temperature controlled, continuous flow, gas hot water system</li> <li>• Certified for installation in manufactured (mobile) homes</li> <li>• Forced combustion</li> </ul>
<b>Rinnai Model Number</b>	REU-VC2528WD-US
<b>Operation / Installation</b>	Forced combustion; outdoor only
<b>Minimum/Maximum Gas Rate (Input)</b>	10,300 - 180,000 BTU/h
<b>Electrical</b>	Appliance: AC 120 Volts - 60 Hz Controller: DC 12 Volts
<b>Electrical Consumption</b>	Normal: 57 w Standby: 2 w Anti-frost protection: 104 w
<b>Amperage</b>	Max with pump: 8A Max without pump: 4A Fuse: 10A
<b>Ignition System</b>	Direct electronic ignition
<b>Hot Water Capacity</b>	Minimum flow rate: 0.26 GPM (1 l/min) Minimum activation flow rate: 0.4 GPM (1.5 l/min) Maximum flow rate: 7.5 GPM (28.4 l/min)
<b>Temperature</b>	98° - 120° F (37° - 49° C) (factory default) Maximum temperature is selectable at 120° F(49° C) or at 140° F(60° C); 98° - 160° F(37° - 71° C) available with the MCC-91-2 controller for commercial and hydronic applications
<b>Temperature (without remote)</b>	120° F (49° C) (factory default) or 140° F (60° C)
<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>	Isolation Valves are certified to NSF/ANSI 61 for potable water
<b>Water Flow Control</b>	Water flow sensor, electronic water control device and fixed by-pass
<b>Minimum/Maximum Water Supply Pressure</b>	20 - 150 PSI (138-1035 KPa) (recommended 30-80 PSI (209 - 552 KPa for optimal 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**



**External Recirculation Pump Control**  
**Water Temperature Control**  
**Controller**

Rinnai Circ-Logic™: Recirculation program cycles external pump  
 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)  
 MC-195T-US (optional; for use with Circ-Logic)

**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(305mm)
- Front (Panel) - 24 inches(610mm)
- Front (Exhaust) - 24 inches(610mm)
- Back of heater - 0 inches
- Bottom of heater - 12 inches(305mm)
- Sides of heater - 6 inches(152mm)

**Clearances from Non-combustibles**

- Top of heater - 2 inches(51mm)
- Front (Panel) - 0 inches \*
- Front (Exhaust) - 24 inches(610mm)
- Back of heater - 0 inches
- Bottom of heater - 2 inches(51mm)
- Sides of heater - 1/8 inch(3.2mm)

\*24 inches required for serviceability

**Min. / Max. Gas Supply Pressure**

Natural Gas: min 4" W.C. (10mbar) max 10.5" W.C. (26.1mbar)  
 Propane Gas: min 8" W.C. (20mbar) max 13.5" W.C. (33.6mbar)

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

Natural Gas: high fire 2.0" W.C. (5.0mbar) low fire 0.52" W.C. (1.30mbar)  
 Propane Gas: high fire 3.5" W.C. (8.7mbar) low fire 0.80" W.C. (2.00mbar)

**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 from date of purchase when used as a recirculating water heater within a hot water recirculation loop, where the water heater is in series with a recirculation system and all recirculating water flows through the water heater, and where an aquastat/thermostat, timer, or an on-demand recirculation system is not incorporated.) Refer to the manual for complete warranty information.

