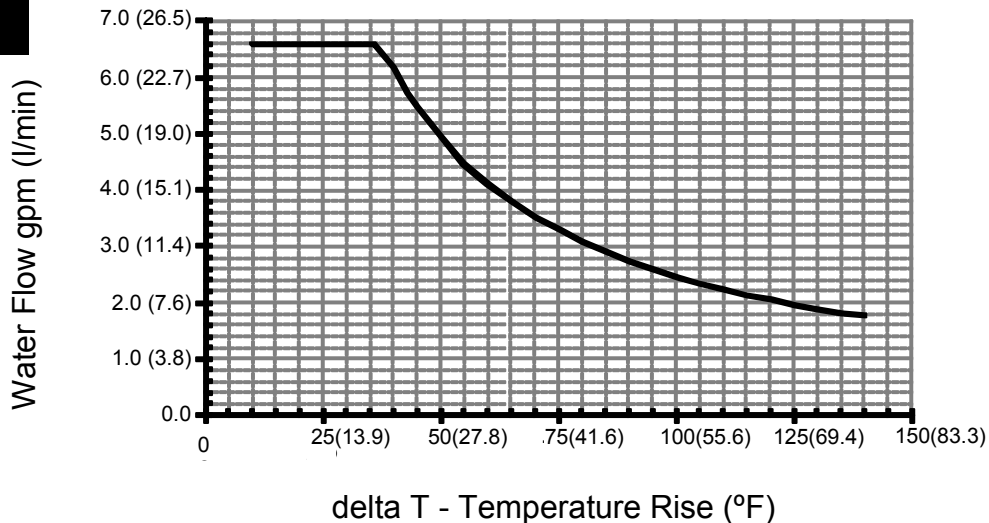


|  |   |
|--|---|
| <b>Type of Appliance</b>                     | <ul style="list-style-type: none"> <li>• Temperature controlled, continuous flow, gas hot water system</li> <li>• Certified for installation in manufactured (mobile) homes</li> <li>• Forced combustion</li> </ul> |
| <b>Rinnai Model Number</b>                   | REU-VC2025W-US  |
| <b>Operation / Installation</b>              | Forced combustion; outdoor only   |
| <b>Minimum/Maximum Gas Rate (Input)</b>      | 10,300 - 150,000 BTU/h (3.0-44.0 kWh)   |
| <b>Electrical</b>                            | Appliance: AC 120 Volts - 60 Hz<br>Controller: DC 12 Volts  |
| <b>Electrical Consumption</b>                | Normal: 57 w    Standby: 2 w    Anti-frost protection: 104 w  |
| <b>Amperage</b>                              | Max: 4A            Fuse: 10A  |
| <b>Ignition System</b>                       | Direct electronic ignition  |
| <b>Hot Water Capacity</b>                    | Minimum flow rate: 0.26 GPM (1 l/min)<br>Minimum activation flow rate: 0.4 GPM (1.5 l/min)<br>Maximum flow rate: 6.5 GPM (24.6 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 hydronic applications  |
| <b>Temperature (without remote)</b>          | 120° F (49° C) (factory default) or 140° F (60° C)  |
| <b>Installation</b>                          | Outdoor only  |
| <b>Uniform Energy Factor (UEF)</b>           | 0.81  |
| <b>Service Connections</b>                   | Gas supply: 3/4 inch MNPT      Cold water inlet: 3/4 inch MNPT<br>Hot water outlet: 3/4 inch MNPT   |
| <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



## 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 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(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

\* 24 inches required for serviceability

- 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)

### 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.)

Natural Gas: high fire 1.30" W.C. (3.24mbar) low fire 0.52" W.C. (1.30mbar)  
 Propane Gas: high fire 2.45" W.C. (6.10mbar) 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

**Warranty** Heat exchanger: 10 years\* for residential and hydronic applications, increased to 12 years\* if installed with an isolation valve kit; All other parts: 5 years\*; Labor: 1 year; (\* reduced to 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)

