

Type of Appliance

- Temperature controlled, continuous flow, gas hot water system
- Certified for installation in manufactured (mobile) homes
- Forced combustion

Rinnai Model Number

REU-VC2025W-US

Operation/Installation

Forced combustion; outdoor only

Minimum/Maximum Gas Rate (Input)

10,300 - 150,000 BTU/h (3.0-44.0 kWh)

Electrical

- Appliance: AC 120 Volts - 60 Hz
- Controller: DC 12 Volts

Electrical Consumption

Normal: 57 w Standby: 2 w Anti-frost protection: 104 w

Amperage

Max: 4A Fuse: 10A

Ignition System

Direct Electronic Ignition

Hot Water Capacity

- Minimum flow rate: 0.26 GPM (1 l/min)
- Minimum activation flow rate: 0.4 GPM (1.5 l/min)
- Maximum flow rate: 6.5 GPM (24.6 l/min)

Temperature

- 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

Temperature (without remote)

120° F (49° C) (factory default) or 140° F (60° C)

Installation

Outdoor only

Uniform Energy Factor (UEF)

0.79

Service Connections

- Gas supply: 3/4 inch MNPT
- Cold water inlet: 3/4 inch MNPT
- Hot water outlet: 3/4 inch MNPT

Water Flow Control

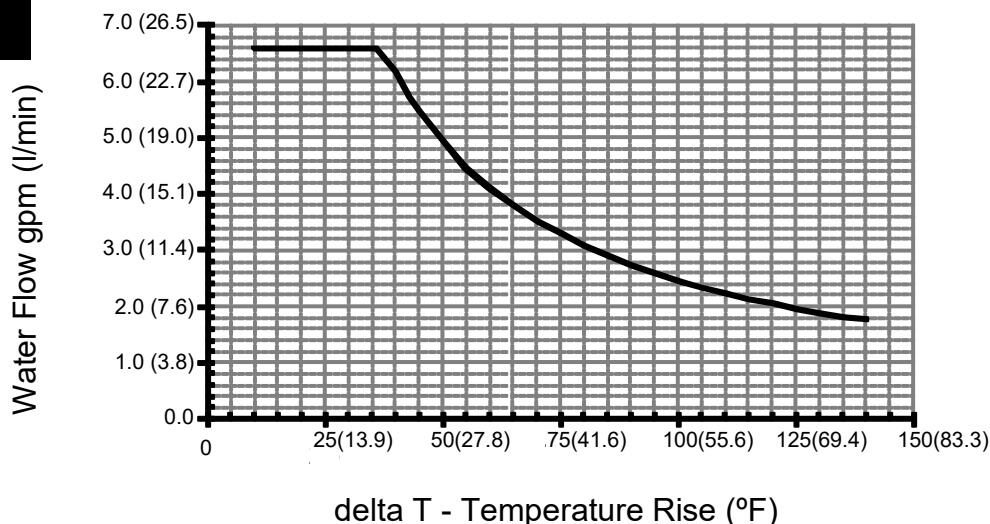
Water flow sensor, electronic water control device and fixed bypass

Minimum/Maximum Water Supply Pressure

- 20-150 PSI (138-1,035 KPa)
- Recommend 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

Controller Cable
Safety Devices

Clearances from
Combustibles

Clearances from
Non-combustibles

Min/Max Gas Supply
Pressure

Manifold Gas Pressure
(inches W.C.)

NOx

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)

Non-polarized two-core cable, minimum 22 AWG

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

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

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

* 24 inches required for serviceability

- Natural Gas: Min: 4" W.C. (10 mbar) Max: 10.5" W.C. (26.1 mbar)
- Propane Gas: Min: 8" W.C. (20 mbar) Max: 13.5" W.C. (33.6 mbar)

- Natural Gas: High fire 1.30" W.C. (3.24 mbar) Low fire 0.52" W.C. (1.30 mbar)
- Propane Gas: High fire 2.45" W.C. (6.10 mbar) Low fire 0.80" W.C. (2.00 mbar)

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)

