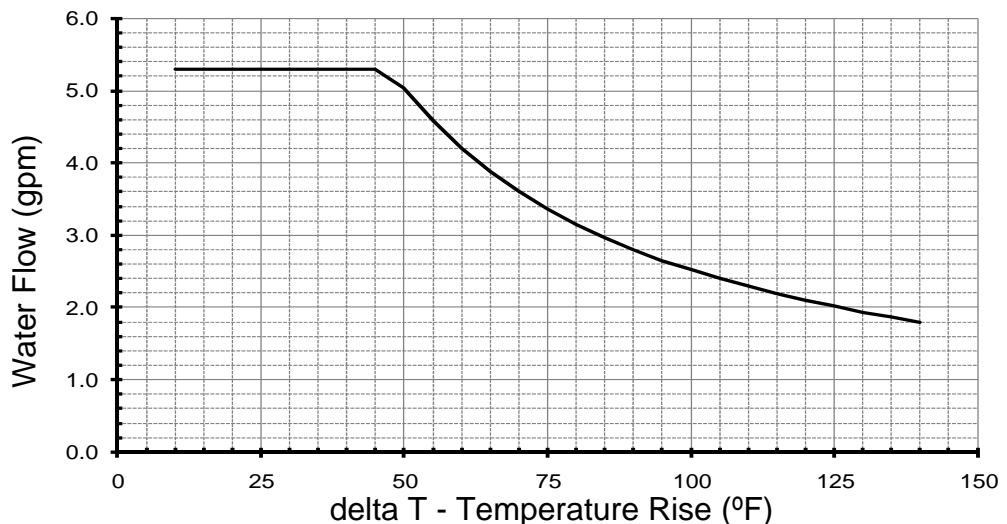


Type of Appliance	<ul style="list-style-type: none"> • Temperature controlled, continuous flow, gas hot water system • Certified for installation in manufactured (mobile) homes • Energy Star qualified
Rinnai Model Number	REU-VB2020FFU-US
Operation / Exhaust System	Forced combustion / Direct vent
Minimum/Maximum Gas Rate (Input)	15,000 - 150,000 Btu/h (Natural Gas and Propane)
Electrical	Appliance: AC 120 Volts - 60 Hz Controller: DC 12 Volts
Electrical Consumption	Normal 55 watts Standby 2 watts Anti-frost protection 184 watts
Ignition System	Direct electronic ignition
Hot Water Capacity	0.6 to 5.3 GPM (45° F rise)
Temperature (with controller)	98° - 140° F; 98° - 160° F available with the MCC-91 controller for hydronic applications
Temperature (without controller)	120° F (factory default)
Approved Gas Types	Natural or Propane (ensure unit matches gas type)
Installation	Indoor only
Energy Factor	Natural Gas: 0.82 Propane: 0.82
Thermal Efficiency	Natural Gas: 83% Propane: 83%
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 by-pass
Minimum/Maximum Water Supply Pressure	20 - 150 PSI (recommended 30-80 PSI for maximum performance)

FLOW TABLE



Water Temperature Control

Controller

Simulation feed forward and feedback

MC-91-1US (optional, not included)
 Deluxe controller: MC-100V-1US (optional)
 Bathroom controller: BC-100V-1US (optional)
 Wireless controller: MC-502RC-1US-MS (optional)
 MCC-91-1US (hydronic applications only)

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 (3 amp)
- Remaining flame (OHS)
- Thermal fuse
- Automatic frost protection

Clearances from Combustibles (suitable for closet, attic, and crawl space installations)

- Top of heater - 6 inches
- Front of heater - 6 inches
- Sides of heater - 2 inches
- Back of heater - 0 inches
- Bottom of heater - 12 inches
- From vent pipe - 0 inches

Clearances from Non-combustibles

- Top of heater - 2 inches
- Front of heater - 6 inches
- Sides of heater - 1/2 inch
- Back of heater - 0 inches
- Bottom of heater - 12 inches
- From vent pipe - 0 inches

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, sea level (inches W.C.)

Natural Gas: high fire 2.1" W.C. low fire 0.57" W.C.
 Propane Gas: high fire 3.4" W.C. low fire 0.98" W.C.

NOx

Meets California and Texas NOx Emission Rules

Warranty

Heat exchanger: 10 years* for residential applications; (10 years* if used with the Rinnai Hydronic Air Handler); 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)

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.

DIMENSIONS

WEIGHT: 51 LBS (23 KG)

in (mm)

The wall bracket is adjustable to allow an additional 1.57 inches (40 mm).

