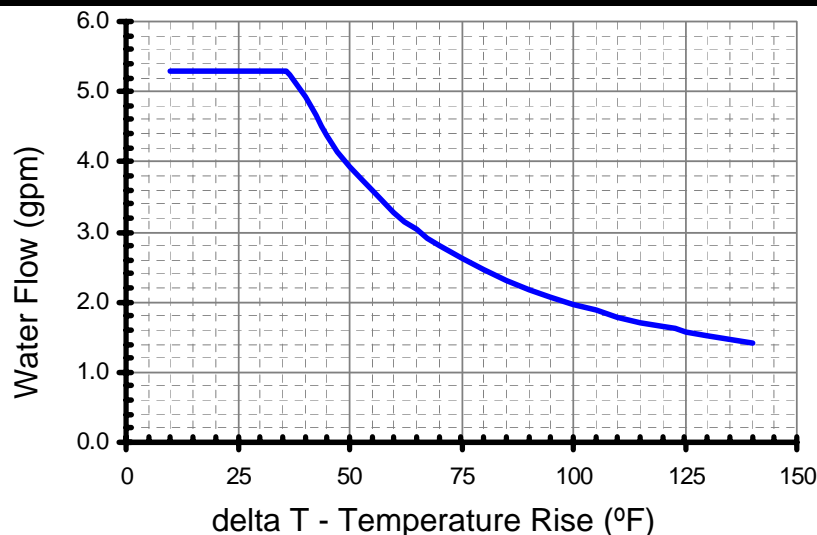


Type of Appliance	Temperature controlled, continuous flow, gas hot water system for residential applications.
Rinnai Model Number	REU-VAM1620W
Operation	With or without remote controls (controller not included; error codes displayed on front panel LED indicator)
Exhaust System	Forced combustion
Minimum/Maximum Gas Rate (Input)	20,200-120,000 BTU/h (Propane); 19,000-120,000 BTU/h (Nat.Gas)
Electrical	Appliance: AC 120 Volts - 60 Hz Remote Control (optional): DC 12 Volts
Electrical Consumption	Normal: 33 watts Standby: 2 watts Anti-frost protection: 74 watts
Ignition System	Direct electronic ignition
Hot Water Capacity	0.6 to 5.3 GPM at a 35° F rise
Temperature Range	98° - 140° (when using optional controller)
Temperature Settings	120° F (factory default) or 140° F
Approved Gas Types	Natural or Propane (ensure unit matches gas type)
Installation	Outdoor only; residential only
Energy Factor	Natural Gas: 0.82 Propane: 0.82
Thermal Efficiency	Natural Gas: 82% Propane: 82%
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 (50 PSI or above is recommended for maximum flow)

FLOW TABLE



Water Temperature Control
Remote Controller (optional)

Simulation feed forward and feedback

MC-91-1US
 Deluxe controller: MC-100V-1US
 Bathroom controller: BC-100V-1US
 Wireless controller: MC-502RC-1US-MS } 98° - 140° F

Remote Control 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 - 12 inches
- Front (Panel) - 24 inches
- Front (Exhaust) - 24 inches
- Back of heater - 0 inches
- Bottom of heater - 12 inches
- Sides of heater - 6 inches

Clearances from Non-combustibles

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

* 24 inches required for serviceability

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.)

Natural Gas: high fire 2.50" W.C. low fire 0.73" W.C.
 Propane Gas: high fire 2.40" W.C. low fire 0.75" W.C.

NOx

Meets California and Texas NOx Emission Rules

Warranty

Heat exchanger: 10 years* for residential; (* 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.

