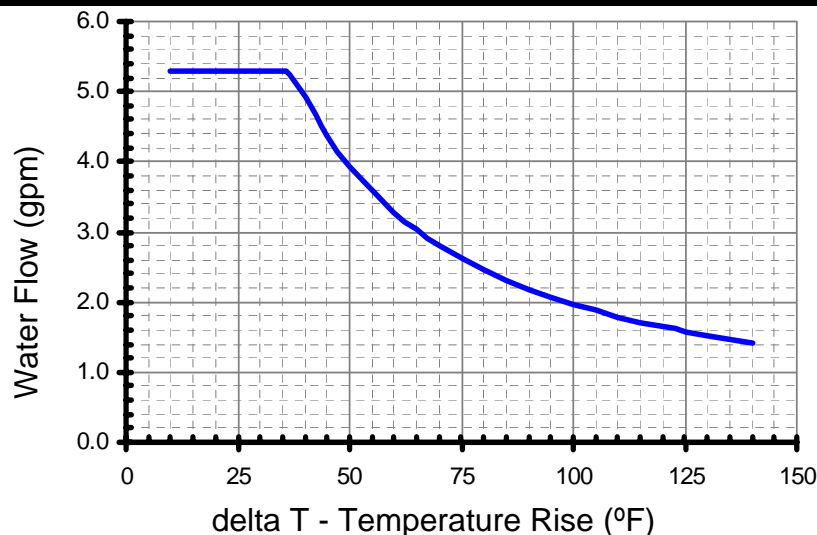


<b>Type of Appliance</b>	Temperature controlled, continuous flow, gas hot water system for residential applications.
<b>Rinnai Model Number</b>	REU-VAM1620W
<b>Operation</b>	With or without remote controls (controller not included; error codes displayed on front panel LED indicator)
<b>Exhaust System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

\* 24 inches required for serviceability

- 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

### 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.*

