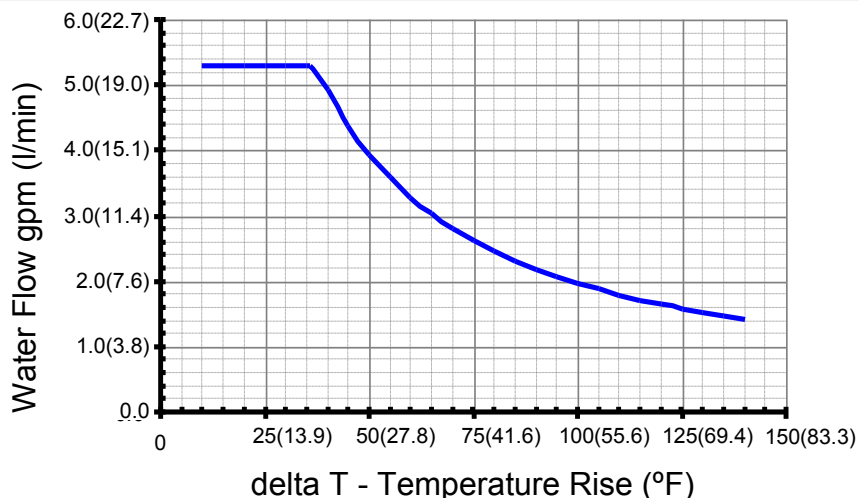


Type of Appliance	Temperature controlled, continuous flow, gas hot water system for residential applications.
Rinnai Model Number	REU-VAM1620W-US
Operation	With or without remote controls (controller not included; error codes displayed on front panel LED indicator)
Exhaust System	Forced combustion
Minimum/Maximum Gas Rate (Input)	Propane: 20,200-120,000 BTU/h (5.9-35.2 kWh) Natural Gas: 19,000-120,000 BTU/h (5.6-35.2 kWh)
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
Amperage	Max: 2A Fuse: 3A
Ignition System	Direct electronic ignition
Hot Water Capacity	0.6 to 5.3 GPM (2.3 l/min to 20.1l/min)
Temperature Range	98° - 140° F (37° - 60° C) (when using optional controller)
Temperature Settings without a controller	120° F (49° C) (factory default) or 140° F (60° C)
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
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 (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 (optional)**

Simulation feed forward and feedback

MC-91-2US (optional)
Deluxe controller: MC-100V-1US (optional)
Bathroom controller: BC-100V-1US (optional)

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(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 2.50" W.C. (6.2mbar) low fire 0.73" W.C. (1.8mbar)
Propane Gas: high fire 2.40" W.C. (6.0mbar) low fire 0.75" W.C. (1.9mbar)

NOx

Complies with South Coast Air Quality Management District 40 ng/J or 55 ppm NOx emission levels

**Limited
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)
Refer to the manual for complete warranty information.

