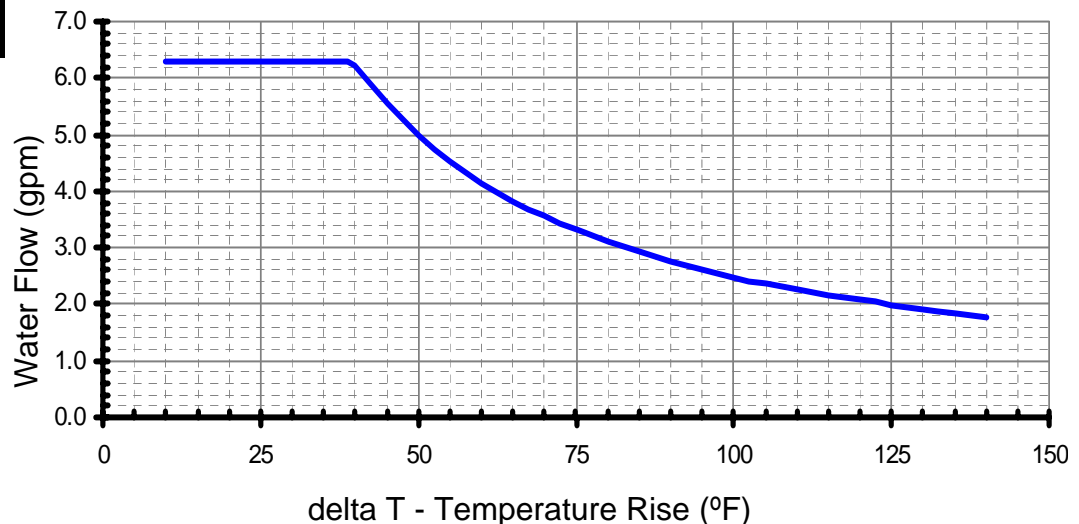


Type of Appliance	Temperature controlled, continuous flow, gas hot water system, Energy Star Qualified	
Rinnai Model Number	REU-VA2024WD(A)-UC	
Operation	Forced combustion	
Minimum/Maximum Gas Rate (Input)	15,000 - 150,000 BTU/h	
Electrical	Appliance:	AC 120 Volts - 60 Hz
	Controller:	DC 12 Volts
Electrical Consumption	Normal	45 watts
	Standby	2 watts
	Anti-frost protection	100 watts
Ignition System	Direct electronic ignition	
Hot Water Capacity	0.6 to 6.3 GPM at a 35° F rise	
Temperature	98° - 120° F (factory default) Maximum temperature is selectable at 120° F or at 140° F; 98° - 160° F available with the MCC-91 controller for commercial and hydronic applications	
Temperature (without remote)	120° F (factory default)	
Approved Gas Types	Natural or Propane (ensure unit matches gas type)	
Installation	Outdoor 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 (30 - 80 PSI is recommended for maximum flow)	

FLOW TABLE



Water Temperature Control

Controllers

Simulation feed forward and feedback

MC-91-1US (included)
 Deluxe controller: MC-100V-1US (optional)
 Bathroom controller: BC-100V-1US (optional)
 Wireless controller: MC-502RC-1US-MS (optional)
 MCC-91-1US (for commercial applications)

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

- 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 2.0" W.C. low fire 0.56" W.C.
 Propane Gas: high fire 3.0" W.C. low fire 0.88" W.C.

NOx

Meets California and Texas NOx Emission Rules

Warranty

Heat exchanger: 12 years* for residential and 5 years* for commercial and hydronic 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.

