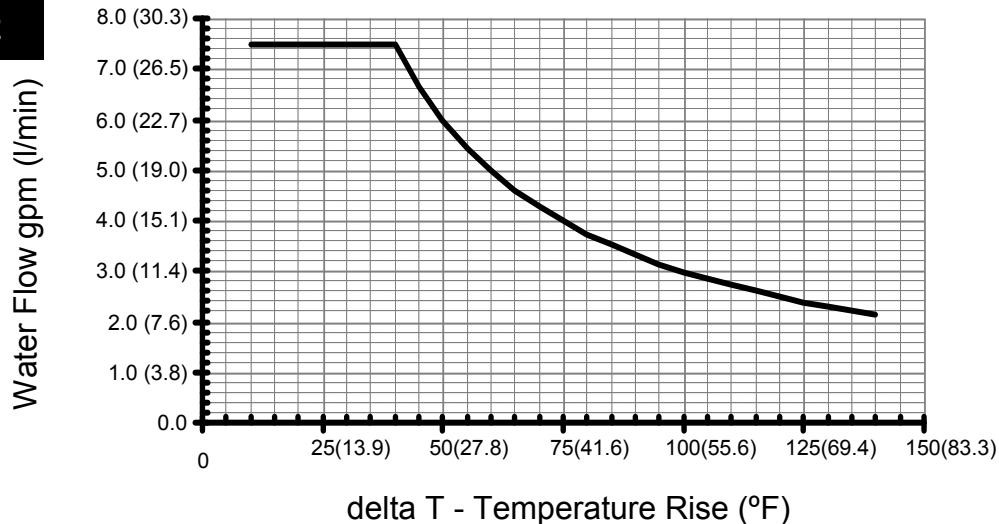


Type of Appliance	<ul style="list-style-type: none"> • Temperature controlled, continuous flow, gas hot water system • Certified for installation in manufactured (mobile) homes • Forced combustion
Rinnai Model Number	REU-VC2528WD-US
Operation / Installation	Forced combustion; outdoor only
Minimum/Maximum Gas Rate (Input)	10,300 - 180,000 BTU/h
Electrical	Appliance: AC 120 Volts - 60 Hz Controller: DC 12 Volts
Electrical Consumption	Normal: 57 w Standby: 2 w Anti-frost protection: 104 w
Amperage	Max with pump: 8A Max without pump: 4A Fuse: 10A
Ignition System	Direct electronic ignition
Hot Water Capacity	Minimum flow rate: 0.26 GPM (1 l/min) Minimum activation flow rate: 0.4 GPM (1.5 l/min) Maximum flow rate: 7.5 GPM (28.4 l/min)
Temperature	98° - 120° F (37° - 49° C) (factory default) Maximum temperature is selectable at 120° F(49° C) or at 140° F(60° C); 98° - 160° F(37° - 71° C) available with the MCC-91-2 controller for commercial and hydronic applications
Temperature (without remote)	120° F (49° C) (factory default) or 140° F (60° C)
Installation	Outdoor only
Uniform Energy Factor (UEF)	0.81
Service Connections	Gas supply: 3/4 inch MNPT Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT
Isolation & Pressure Relief Valves Included	Isolation Valves are certified to NSF/ANSI 61 for potable water
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



External Recirculation Pump Control
Water Temperature Control
Controller

Rinnai Circ-Logic™: Recirculation program cycles external pump
 Simulation feed forward and feedback

MC-91-2US (included)
 Deluxe controller: MC-100V-1US (optional)
 Bathroom controller: BC-100V-1US (optional)
 MCC-91-2US (optional; for hydronic and commercial applications)
 MC-195T-US (optional; for use with Circ-Logic)

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

Clearances from Combustibles

- 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.)
 (sea level)**

Natural Gas: high fire 2.0" W.C. (5.0mbar) low fire 0.52" W.C. (1.30mbar)
 Propane Gas: high fire 3.5" W.C. (8.7mbar) low fire 0.80" W.C. (2.00mbar)

NOx

Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NOx emission levels

Limited Warranty

Heat exchanger: 12 years* for residential, 10 years for residential and space heating, and 5 years* for commercial; All other parts: 5 years*; Labor: 1 year;
 (* 3 years from date of purchase when used as a recirculating water heater within a hot water recirculation loop, where the water heater is in series with a recirculation system and all recirculating water flows through the water heater, and where an aquastat/thermostat, timer, or an on-demand recirculation system is not incorporated.) Refer to the manual for complete warranty information.

DIMENSIONS

WEIGHT: 43.6 lb (19.8 kg)

DIMENSION	Inches (mm)	DIMENSION	Inches (mm)
A (GAS)	1.31 (33.2)	D	4.33 (110)
A (COLD)	1.93 (49)	E	2.91 (73.8)
A (HOT)	1.35 (34.4)	F	1.61 (40.8)
B	3.96 (100.7)	G	2.87 (73)
C	1.17 (29.8)		