

**Type of Appliance**

- Temperature controlled, continuous flow, gas hot water system
- Certified for installation in manufactured (mobile) homes
- Forced combustion / Direct vent

**Rinnai Model Number**

REU-VC2737FFUD-US

**Minimum/Maximum Gas Rate (Input)**

10,300 - 192,000 BTU/h (3.02-56.3kWh)

**Electrical**

Appliance: AC 120 Volts - 60 Hz  
 Controller: DC 12 Volts

**Electrical Consumption**

Normal: 97 w Standby: 2 w Anti-frost protection: 120 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 (1.5l /min)  
 Maximum flow rate: 9.8 GPM (37.1 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° - 185°F (37° - 85°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**

Indoor only

**Energy Factor**

Natural Gas: 0.82

**Service Connections**

Gas supply: 3/4 inch(19mm) MNPT, Cold water inlet: 3/4 inch(19mm) MNPT  
 Hot water outlet: 3/4 inch(19mm) MNPT

**Isolation & Pressure Relief Valves Included**

Isolation Valves are certified to NSF/ANSI 61 for potable water

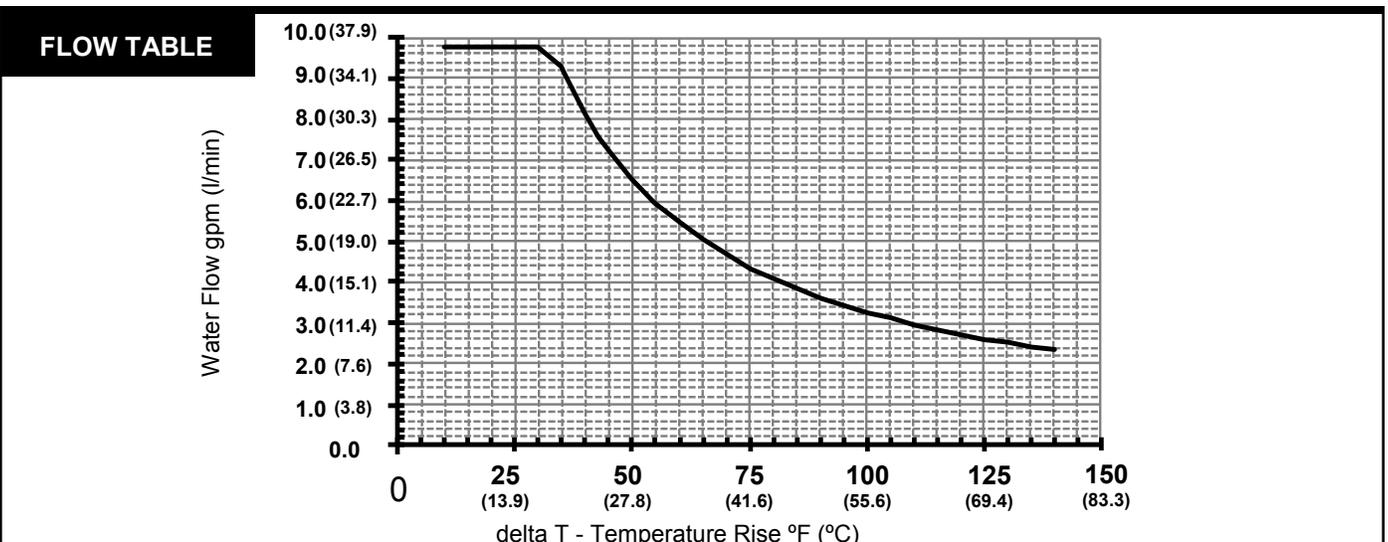
**Water Flow Control**

Water flow sensor, electronic water control device and 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.*



**External Recirculation Pump Control  
Water Temperature Control**

**Controller**

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

- MC-91-2US (part of the front panel)
- 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  
(suitable for closet, attic, and  
crawl space installations)**

- Top of heater - 6 inches (152mm)
- Front of heater - 6 inches (152mm)
- Sides of heater - 2 inches (51mm)
- Back of heater - 0 inches
- Ground / bottom - 12 inches (305mm)
- From vent pipe - 0 inches

**Clearances from Non-combustibles**

- Top of heater - 2 inches (51mm)
- Front of heater - 6 inches (152mm)
- Sides of heater - 1/2 inch (13mm)
- Back of heater - 0 inches
- Ground / bottom - 12 inches (305mm)
- From vent pipe - 0 inches

**Min. / Max. Gas Supply Pressure  
(sea level)**

Natural Gas: min 4" W.C. (2.5mbar) max 10.5" W.C. (26.1mbar)

**Manifold Gas Pressure (inches W.C.)**

Natural Gas: high fire 2.93" W.C. (7.3mbar) Low fire 0.61" W.C. (1.5mbar)

**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: 46.3 lb (21.0 kg)**

DIMENSION	Inches (mm)	DIMENSION	Inches (mm)
<b>A (GAS)</b>	1.31 (33.2)	<b>D</b>	4.33 (110)
<b>A (COLD)</b>	1.93 (49)	<b>E</b>	2.89 (73.3)
<b>A (HOT)</b>	1.35 (34.4)	<b>F</b>	1.85 (47)
<b>B</b>	4.21 (106.9)	<b>G</b>	3.44 (87.3)
<b>C</b>	1.17 (29.8)		