

**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-VC2528FFU-US

**Operation / Installation**

Forced combustion; indoor 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: 76 w Standby: 2 w Anti-frost protection: 120 w

**Amperage**

Max: 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 MCC-91-2 controller for 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 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**

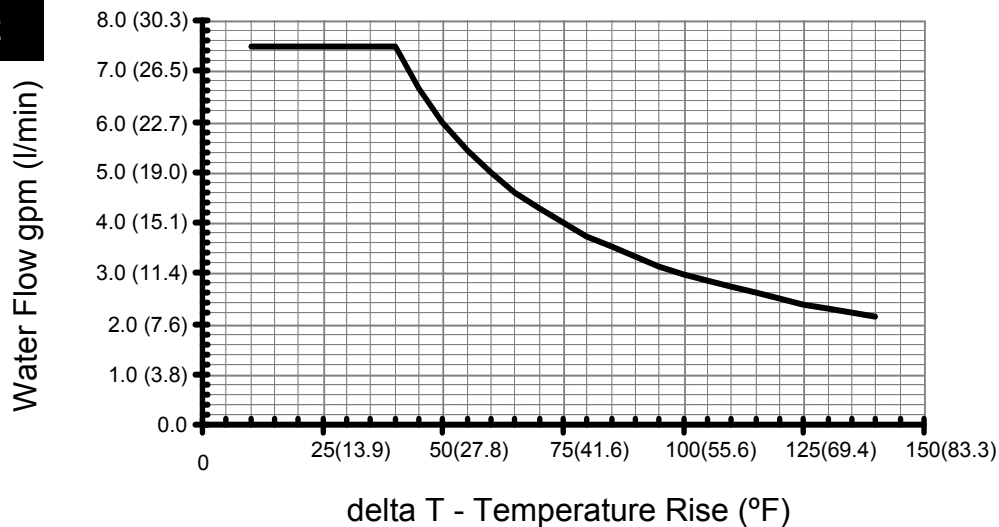
Water flow sensor, electronic water control device and fixed by-pass

**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

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 applications)

### Controller Cable

Non-polarized two-core cable, minimum 22 AWG

### Safety Devices

- Flame failure - Flame Rod
- Remaining flame (OHS)
- Boiling protection
- Thermal fuse
- Combustion fan rpm check
- Automatic frost protection
- Over current - glass fuse

### Clearances from Combustibles (suitable for closet, attic, and crawl space installations)

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

### Clearances from Non-combustibles \* 24 inches required for serviceability

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

### 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 2.2" W.C. (5.5mbar) low fire 0.61" W.C. (1.5mbar)  
 Propane Gas: high fire 3.8" W.C. (9.5mbar) low fire 0.87" W.C. (2.2mbar)

### NOx

Complies with South Coast Air Quality Management District 14 ng/J or 20 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.

