

R98LSiASME (VA3237FFU-ASME)

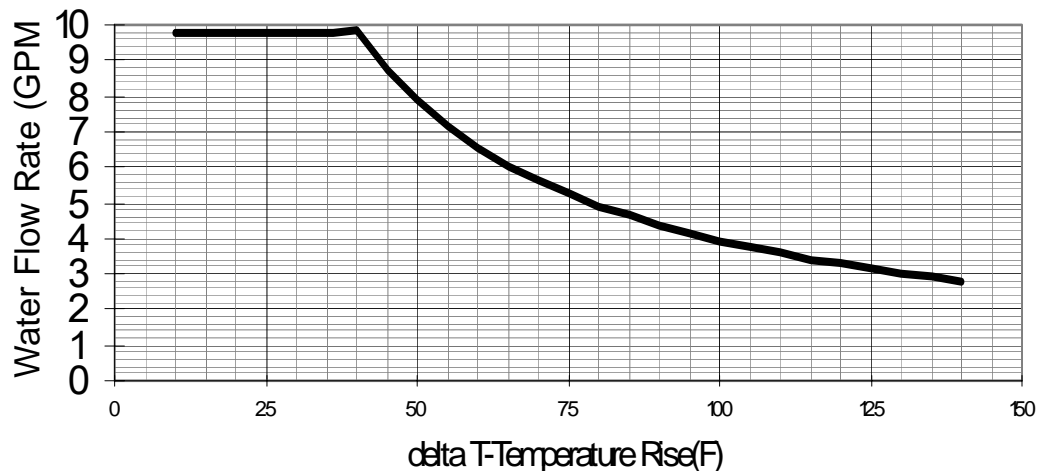


This model has been built in accordance with the requirements of the ASME Boiler and Pressure Vessel Code and has received the Certificate of Authorization from the National Board. The heat exchanger has the NB and the HLW stamps.

Type of Appliance	Temperature controlled, continuous flow, gas hot water system
Rinnai model number	REU-VA3237FFU-ASME
Operation / Installation	Forced combustion / Indoor only
Exhaust system	Direct vent
Minimum/Maximum Gas Rate (Input)	19,000 - 237,000 BTU/h (Natural Gas or Propane)
Electrical	Appliance: AC 120 Volts - 60 Hz Remote Control: DC 12 Volts
Electrical Consumption	Normal 99 watts Standby 2 watts Anti-frost protection 116 watts
Ignition System	Direct electronic ignition
Hot Water Capacity	0.6 to 7.9 GPM (50° F rise) 0.9 to 9.8 GPM (35° F rise)
Temperature	98° - 140° F (98° - 185° 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)
Thermal Efficiency	Natural Gas: 84% Propane: 84%
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 and by-pass control
Minimum/Maximum Water Supply Pressure	15 - 150 PSI (50 PSI or above is recommended for maximum flow)

FLOW TABLE

Water Flow Capacity Curve



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Water Temperature Control

Controller

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)

98° - 140° F
 98° - 185° F

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

* 24 inches required for serviceability

- Top of heater - 12 inches
- Front of heater - 6 inches *
- Sides of heater - 2 inches
- Back of heater - 0 inches
- Bottom of heater - 12 inches
- From vent pipe - 0 inches

Clearances from Non-combustibles

* 24 inches required for serviceability

- Top of heater - 2 inches
- Front of heater - 6 inches *
- Sides of heater - 1/2 inches
- Back of heater - 0 inches
- Bottom of heater - 2 inches
- From vent pipe - 0 inches

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 3.0" W.C. low fire 0.67" W.C.
 Propane Gas: high fire 3.7" W.C. low fire 0.83" 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.

