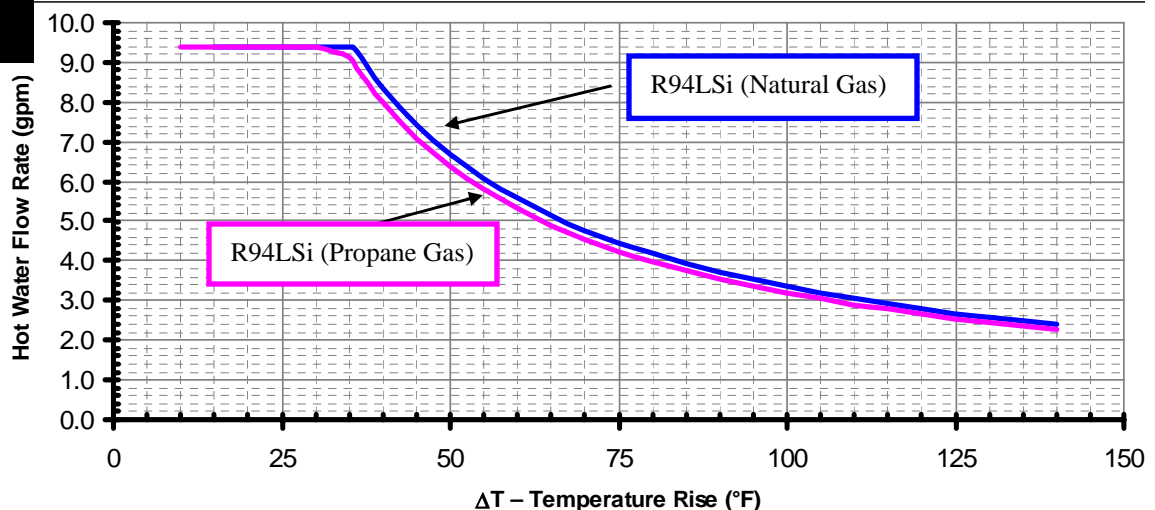


## R94LSi (VA2535FFUD)

Type of Appliance	Temperature controlled, continuous flow, gas hot water system
Rinnai Model Number	REU-VA2535FFUD-UC
Operation / Exhaust System	Forced combustion / Direct vent
Minimum/Maximum Gas Rate (Input)	15,000 - 199,000 BTU/h (Natural Gas) 15,000 - 190,000 BTU/h (Propane)
Electrical	Appliance: AC 120 Volts - 60 Hz Controller: DC 12 Volts
Electrical Consumption	Normal 79 watts Standby 2.0 watts Anti-frost protection 100 watts
Ignition System	Direct electronic ignition
Hot Water Capacity	0.6 to 9.4 GPM (35° F rise)
Temperature	98° - 120° F (factory default) Maximum temperature is selectable at 120° F or at 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)
Installation	Indoor only
Energy Factor	Natural Gas: 0.82                      Propane: 0.82
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	20 - 150 PSI (recommended 30-80 PSI for maximum performance)

**FLOW TABLE**



### Water Temperature Control

#### Controller

Simulation feed forward and feedback

MC-91-1US (part of the front panel)

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 (suitable for closet, attic, and crawl space installations)

- Top of heater - 6 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

- Top of heater - 2 inches
- Front of heater - 6 inches
- Sides of heater - 1/2 inch
- Back of heater - 0 inches
- Bottom of heater - 12 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 3.3" W.C. low fire 0.52" W.C.  
Propane Gas: high fire 5.0" W.C. low fire 0.92" 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.*

