

**RESIDENTIAL (WITH RECIRCULATION PUMP)**



**FLEXIBLE VENTING OPTIONS**

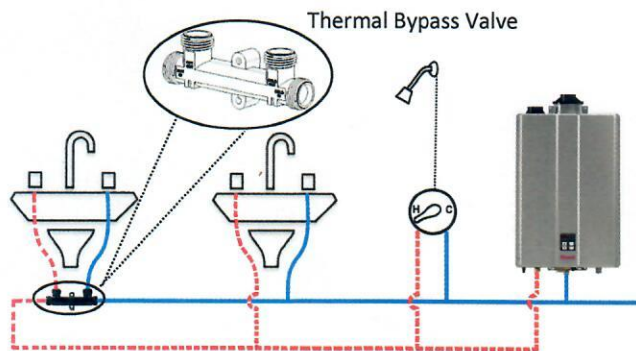
- Concentric or Schedule 40 PVC/CPVC
- Direct Vent (Concentric and Twin Pipe)
- Non-Direct Vent (Room Air)
- Common Vent (Direct Vent and Room Air)
- Maximum Equivalent Vent Lengths:

Twin Pipe:	Vent Sizes	2 in. (51 mm)	3 in. (76 mm)
	Vent Lengths	65 ft (20 m)	150 ft (46 m)
Concentric:	Vent Sizes	2 in. X 4 in.	3 in. X 5 in.
	Vent Lengths	65 ft (20 m)	150 ft (46 m)

**CIRC-LOGIC™ RECIRCULATION TECHNOLOGY**

Rinnai Circ-Logic™ recirculation technology allows users to set recirculation patterns that coincide with their hot water usage patterns. Hot water is available when needed, without the expense of circulating it during times of inactivity. Two recirculation modes are available:

- **Dedicated Mode** - With a dedicated return line, the integrated pump recirculates water from the tankless water heater through the return line and back to the heater.
- **Crossover Mode** - In applications where a dedicated return line is not available or is difficult to install, ThermoCirc360™ technology allows for the simple installation of a **Thermal Bypass Valve** (included with purchase) at the fixture farthest away from the water heater.



**SUPER-HIGH-EFFICIENCY (CONDENSING) TANKLESS WATER HEATER**

<b>Installation Type</b>	Internal (Indoor) Residential Applications. Manufactured (Mobile) Home Certified	
<b>Model Numbers</b>	RUR199i (REU-NP3237FF-US) RUR160i (REU-NP2530FF-US)	
<b>Approved Gas Types</b>	Natural and Propane	
<b>Uniform Energy Factor (UEF)</b>	RUR199i: 0.93	RUR160i: 0.92
<b>Energy Factor (EF) (Canada)</b>	RUR199i: 0.96	RUR160i: 0.95
<b>High Altitude Approved</b>	Up to 10,200 Ft (3,109 M)	
<b>Water Flow Control</b>	Water Flow Sensor, Electronic Water Control and Bypass Control	
<b>Controller</b>	Standard: MC-91-2US Required for Recirculation: MC-195T-US or Control-R™ Wi-Fi Module	
<b>Certifications</b>	AHRI, ANSI Z21.10.3, CSA 4.3, and Energy Star®	

**Warranty**

- Heat Exchanger: 15 years or 12,000 operation hours, whichever occurs first
- All Other Parts and Components: 5 Years
- Reasonable Labor: 1 Year

**Safety Devices**

Flame Failure - Flame Rod, Boiling Protection, Combustion Fan RPM Check, Over Current - Glass Fuse, Remaining Flame (OHS) and Automatic Frost Protection

**Included with Purchase**

Tankless Water Heater, Wall Mounting Bracket, Thermal Bypass Valve, Pressure Relief Valve and Adapter, Isolation Valve Kit, Vent Screens (x2), Vent Screen Screws (x2) and Self-Tapping Screws (x2)

**Additional Features**

- Mobile Home Certified
- Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NOx Emission Levels
- Ultra Low NOx
- Tankless Rack System™ Compatible
- 1/2 in. (13 mm) Gas Line Compatible

**OPTIONAL ACCESSORIES**

Room Air Screen, Condensate Neutralizer, ScaleCutter, Drain Down Kit, Additional Controllers, Pipe Cover, Recirculation Pump, DPS/MIS Switch, EZ Connect Cables, Control-R™ WI-FI Module, Wireless Accessories, and many more. Visit rinnai.us for a complete list of accessories.

**EASE OF INSTALLATION AND SERVICEABILITY**

- Compact Design to Save Space
- Wi-Fi Technology for Remote Monitoring and Management
- Sliding Mounting Bracket for Easy Installation
- Simple Gas Conversion



CERTIFIED TO ANSI Z21.10.3 — CSA 4.3