Rinnai

RESIDENTIAL



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)
 Vent lengths up to 150 ft with eight Tankless Water Heater units.
- 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)			
C	Concentric					

Vent Sizes	2 in. X 4 in.	3 in. X 5 in.			
Vent Lengths	65 ft (20 m)	150 ft (46 m)			

OPTIONAL ACCESSORIES

Condensate Neutralizer, ScaleCutter, Control-R™ Wi-Fi Module, Wireless Accessories, and many more.

Visit rinnai.us for a complete list of accessories.

EASE OF INSTALLATION AND SERVICEABILITY

- Wi-Fi Technology for Remote Monitoring and Management (with Control-R™ Wi-Fi Module accessory)
- Simple Gas Conversion

SUPER-HIGH-EFFICIENCY (CONDENSING) HYBRID WATER HEATING SYSTEM

Internal (Indoor) Residential Applications						
RHS199100SE						
Natural and Propane						
199,000 Btu/h (58.3 kW/h)						
RU199i: 0.93						
RU199i: 0.96						
315 Gallons (1,192 L)						
Up to 10,200 Ft (3,109 M)						
119 Gallons (450 L)						
Water Flow Sensor, Electronic Water Control and Bypass Control						
Standard: Integrated Controller Optional: MC-91-2US						
AHRI, ANSI Z21.10.3, CSA 4.3, and Energy Star®						

Storage Tank

- 2 in. (51 mm) Eco-friendly foam insulation
- Glass-lined inner tank
- 1-1/2 in. (38 mm) MNPT dielectric hot and cold connections
- Pre-installed temperature and pressure relief valve
- Brass drain valve
- Dual magnesium anode rods
- Hand hole clean-out

Warranty

- Heat Exchanger: 15 years or 12,000 operation hours, whichever occurs first
- Tank: 6 years
- All Other Parts and Components: 5 Years
- Reasonable Labor: 1 Year

(Refer to the Installation and Operation Manual for further warranty information.)

Safety Devices

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

Additional Features

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





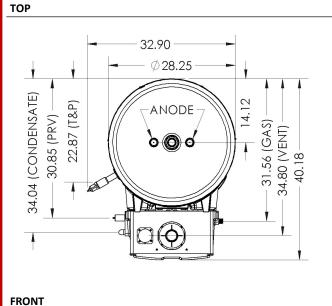






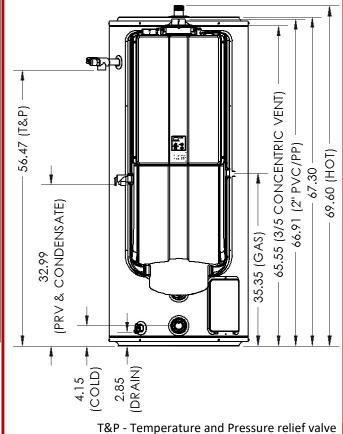
CERTIFIED TO ANSI Z21.10.3 — CSA 4.3

TECHNICAL SPECIFICATIONS							
	SPECIFICATION	RHS199100SE					
Prod	uct Description	Condensing Hybrid System: Condensing Tankless Wate Heater, Insulated Storage Tank, Pump and Control					
	num Gas umption Btu/h (kW/h)	15,000 (4.5)					
	mum Gas umption Btu/h (kW/h)	199,000 (58.3)					
Tank	Volume	119 Gallons (450 Liters)					
Weig	ht	431 lb (195 kg)					
Sound Level		49 dB					
	Normal	265 W					
cal	Standby 44 W						
Electrical	Freeze Protection	148 W					
Ш	Max Current	5.5 Amps					
	Fuse	Tankless Engine: 10 Amps, System Controller 10 Amps					
Temperature		 Minimum: 98° F (37° C) Default Maximum: 140° F (60° C) Default 185° F (85° C) With Parameter Adjustment 					
Ву-Ра	ass Flow Control	Electronic					
Gas S	Supply Pressure	 Natural: 3.5 in. w.c 10.5 in. w.c. Propane: 8.0 in. w.c 13.5 in. w.c. 					
Igniti	on System	Direct Electronic Ignition					
Elect	ronic Connections	 Appliance: AC 120 Volts, 60Hz. Temperature Controller: DC 12 Volts (Digital) 					
Wate	er Supply Pressure	Maximum: 150 PSI					
Servi	ce Connections	 Gas Supply: 3/4 in. (19 mm) NPT Cold Water Inlet: 1-1/2 in. (38 mm) NPT Hot Water Outlet: 1-1/2 in. (38 mm) NPT Condensate Drain: 1/2 in. (13 mm) (SOCKET) 					



INCHES

DIMENSIONS



RECOVERY CAPACITIES

RECOVERY CAPACITIES													
	U.S. GALLON/HR LITERS/HR AT TEMPERATURE RISE INDICATED												
Toul. Compain	°F	30°F	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F
Tank Capacity	°C	17°C	22°C	28°C	33°C	39°C	44°C	50°C	56°C	61°C	67°C	72°C	78°C
119 U.S. Gals.	GPH	772	579	463	386	331	289	257	232	211	193	178	165
450 Liters	LPH	2922	2192	1753	1461	1253	1093	973	878	799	731	673	625