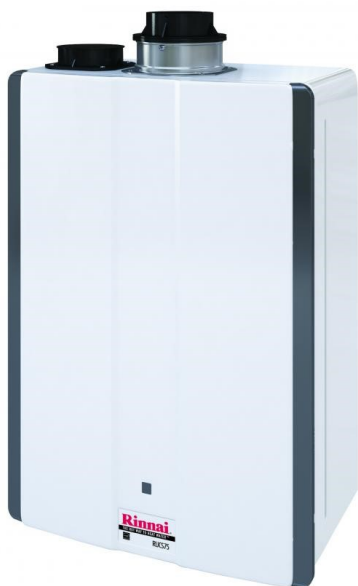


RESIDENTIAL



FLEXIBLE VENTING OPTIONS

The RUCS75i offers concentric polypropylene (PP) or dual-pipe PVC/CPVC/PP venting options on the same model. The dual venting configuration on the top allows for maximum flexibility for installers and dealers—one concentric vent or two PVC/CPVC/PP pipes can be used for venting.

Designed for use with:

- Ubbink Polypropylene Concentric Vent
- Twin Pipe PVC/CPVC (3 in. and 4 in. configurations)
- Centrotherm 3 in. Polypropylene (with Centrotherm Twin Pipe Adapter)

Concentric PP	41 ft. (12.5 m)
Dual Pipe PP (Centrotherm)	41 ft. (12.5 m)

3 in. Twin Pipe	41 ft. (12.5 m)
4 in. Twin Pipe PVC/CPVC/PP	100 ft. (30.5 m)

SUPER-HIGH-EFFICIENCY (CONDENSING) TANKLESS WATER HEATER

Installation Type	Internal (Indoor) Residential Applications; Certified for installation in Manufactured (Mobile) Homes	
Model Number	RUCS75i (REU-KCM2528FFU-US)	
Approved Gas Types	Natural and Propane	
High Altitude Approved	Up to 5,400 ft. (1,646 m)	
Water Flow Control	Water Flow Sensor, Electronic Water Control and Fixed Bypass Control	
Efficiency		UEF: 0.90
	Ratings not certified by AHRI	EF: 0.93
Controller	Standard: Status Monitor Optional: MC-91-2US, control-r™ Wi-Fi Module Do not install MC-100V-1US or BC-100V-1US	
Certifications	AHRI, ANSI Z21.10.3, CSA 4.3, and ENERGY STAR®	

Warranty

- Heat Exchanger: 12 years* for residential
 - All Other Parts and Components: 5 Years*
 - Reasonable Labor: 1 Year
- * 3 years if used as a circulation 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, and where an aquastat/thermostat, timer, or an on-demand recirculation system is not incorporated. Refer to the Tankless Water Heater Installation and Operation manual for complete warranty information.

Safety Devices

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

Included with Purchase

Tankless Water Heater and Self-Tapping Screws (x2)

Additional Features

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



CERTIFIED TO ANSI Z21.10.3 — CSA 4.3

TECHNICAL SPECIFICATIONS

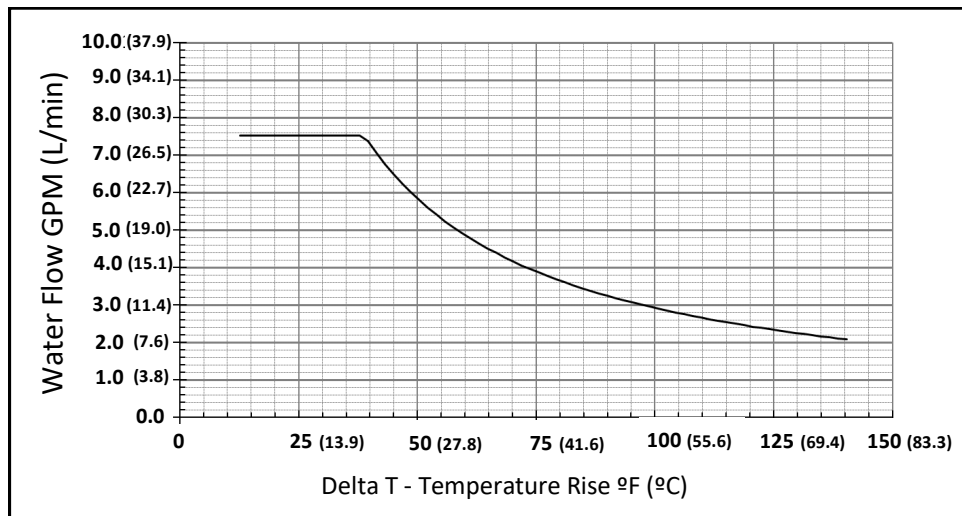
SPECIFICATION		RUCS75i
Dimensions - w, h, d		18.3 in. x 31.1 in. x 10.1 in. (466 mm x 789.6 mm x 257 mm)
Minimum Gas Consumption Btu/h		10,300
Maximum Gas Consumption Btu/h		160,000
Flow Rate ¹ (Min - Max)		0.26 - 7.5 GPM (1.0 - 28.4 L/min)
Weight		57.3 lbs. (26kg.)
Sound Level		47 dB
Electrical	Normal	89 W
	Standby	1.3 W
	Freeze Protection	167 W
	Max Current	2.3 Amps
	Fuse	10 Amps
Temperature (with remote)		120° - 140° F (49°C - 60°C)
Temperature (without remote)		120° F (49°C), 125° F (52°C), 135° F (57°C), 140° F (60°C)
Gas Supply Pressure ²		- Natural: 4 in. w.c. - 10.5 in. w.c. (2.5 mbar - 26.1 mbar) - Propane: 8 in. w.c. - 13.5 in. w.c. (20 mbar - 33.6 mbar)
Ignition System		Direct Electronic Ignition
Electronic Connections		- Appliance: AC 120 Volts, 60Hz. - Temperature Controller: DC 12 Volts (Digital)
Water Supply Pressure		- Minimum: 50 PSI (Recommended 60-80 PSI for max performance) - Maximum: 150 PSI
Controller Cable		Non-Polarized Two Core Cable (Minimum 22 AWG)
Service Connections		- Gas Supply: 3/4 in. (19 mm) NPT - Cold Water Inlet: 3/4 in. (19 mm) NPT - Hot Water Outlet: 3/4 in. (19 mm) NPT - Condensate Drain: 1/2 in. (13 mm) NPT
Clearances from Combustibles		- Top: 6 in. (152 mm) - Bottom/Ground: 12 in. (305 mm) - Front: 6 in. (152 mm)* - Back: 0 in. - Sides: 2 in. (51 mm) - Vent: 0 in.
Clearances from Non-Combustibles		- Top: 2 in. (51 mm) - Bottom/Ground: 12 in. (305 mm) - Front: 6 in. (152 mm)* - Back: 0 in. - Sides: 1/2 in. (13 mm) - Vent: 0 in.

* Clearance for servicing is 24 in. (610 mm) in front of water heater

¹ Minimum flow may vary slightly depending on the temperature setting and the inlet water temperature. Minimum activation flow is 0.4 GPM (1.5 L/min).

² The maximum gas supply pressure must not exceed the value specified by the manufacturer.

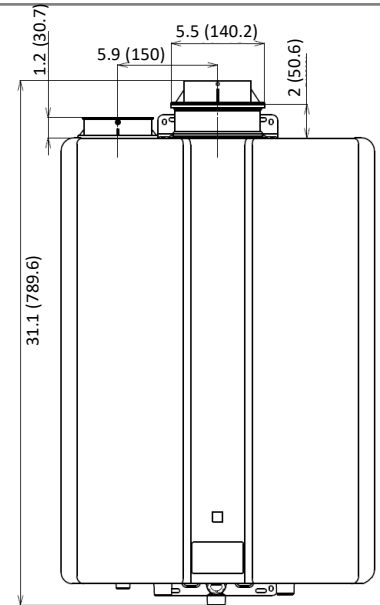
WATER FLOW CURVE



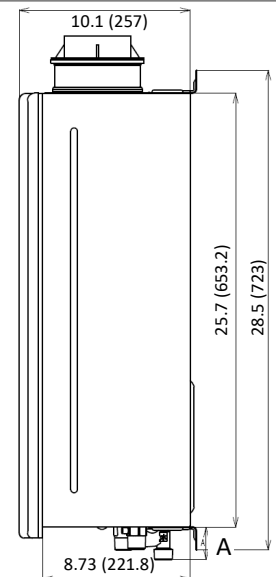
DIMENSIONS

in. (mm)

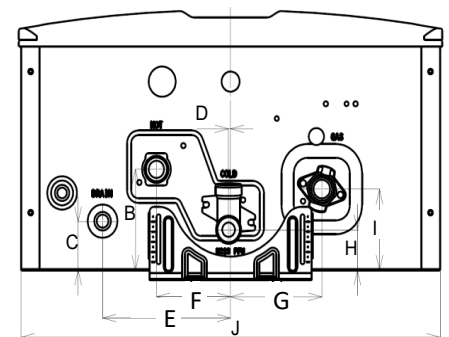
FRONT



SIDE



BOTTOM



DIM	Inches (mm)	DIM	Inches (mm)
D	0.09 (2.2)	H	1.58 (40.1)
A (GAS)	1.3 (33.2)	I	3.17 (80.4)
E	5.6 (142.3)	J	18.3 (466)
F	3.24 (82.4)		
G	3.99 (101.4)		
A (HOT)	1.35 (34.4)		
A (CONDENSATE OUTLET)	0.94 (23.9)		
B	3.93 (100)		
C	1.91 (48.6)		