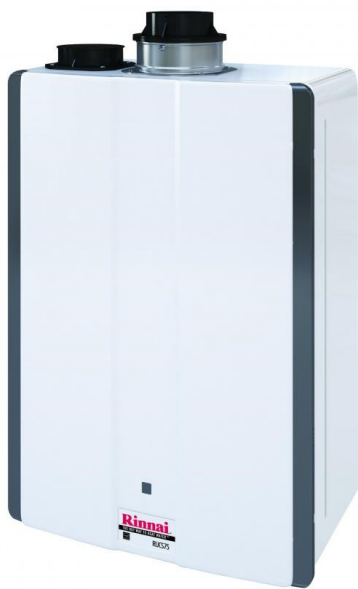


RESIDENTIAL



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<br>Optional: MC-91-2US, control-r™ Wi-Fi Module<br>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

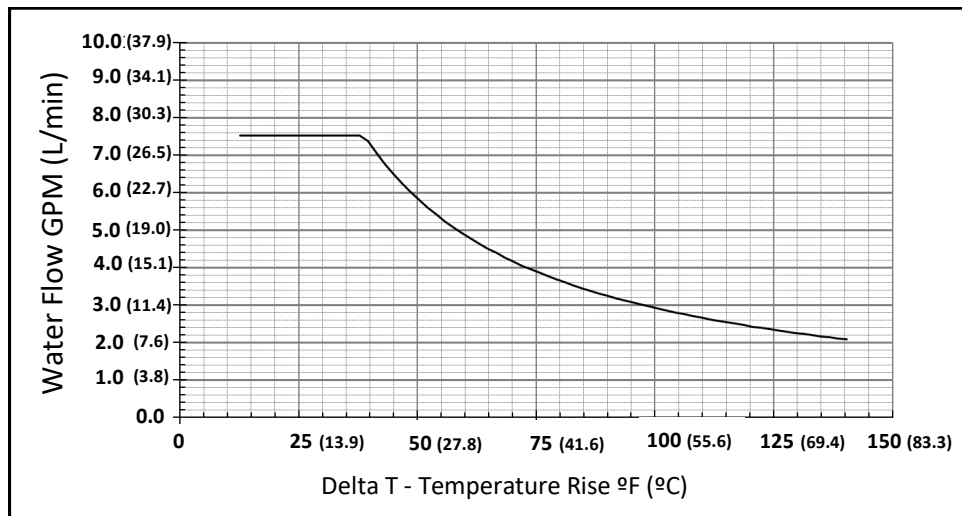
| SPECIFICATION                      |                   | RUCS75i                                                                                                                                                                                                                        |
|------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <sup>1</sup> (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 <sup>2</sup>   |                   | <ul style="list-style-type: none"> <li>Natural: 4 in. w.c. - 10.5 in. w.c. (2.5 mbar - 26.1 mbar)</li> <li>Propane: 8 in. w.c. - 13.5 in. w.c. (20 mbar - 33.6 mbar)</li> </ul>                                                |
| Ignition System                    |                   | Direct Electronic Ignition                                                                                                                                                                                                     |
| Electronic Connections             |                   | <ul style="list-style-type: none"> <li>Appliance: AC 120 Volts, 60Hz.</li> <li>Temperature Controller: DC 12 Volts (Digital)</li> </ul>                                                                                        |
| Water Supply Pressure              |                   | <ul style="list-style-type: none"> <li>Minimum: 50 PSI (Recommended 60-80 PSI for max performance)</li> <li>Maximum: 150 PSI</li> </ul>                                                                                        |
| Controller Cable                   |                   | Non-Polarized Two Core Cable (Minimum 22 AWG)                                                                                                                                                                                  |
| Service Connections                |                   | <ul style="list-style-type: none"> <li>Gas Supply: 3/4 in. (19 mm) NPT</li> <li>Cold Water Inlet: 3/4 in. (19 mm) NPT</li> <li>Hot Water Outlet: 3/4 in. (19 mm) NPT</li> <li>Condensate Drain: 1/2 in. (13 mm) NPT</li> </ul> |
| Clearances from Combustibles       |                   | <ul style="list-style-type: none"> <li>Top: 6 in. (152 mm)</li> <li>Bottom/Ground: 12 in. (305 mm)</li> <li>Front: 6 in. (152 mm)*</li> <li>Back: 0 in.</li> <li>Sides: 2 in. (51 mm)</li> <li>Vent: 0 in.</li> </ul>          |
| Clearances from Non-Combustibles   |                   | <ul style="list-style-type: none"> <li>Top: 2 in. (51 mm)</li> <li>Bottom/Ground: 12 in. (305 mm)</li> <li>Front: 6 in. (152 mm)*</li> <li>Back: 0 in.</li> <li>Sides: 1/2 in. (13 mm)</li> <li>Vent: 0 in.</li> </ul>         |

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

<sup>1</sup> 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).

<sup>2</sup> The maximum gas supply pressure must not exceed the value specified by the manufacturer.

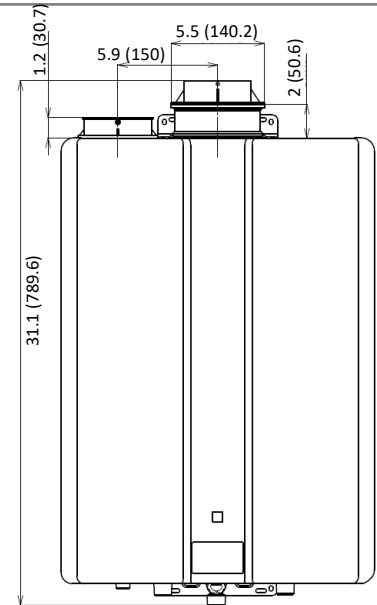
## WATER FLOW CURVE



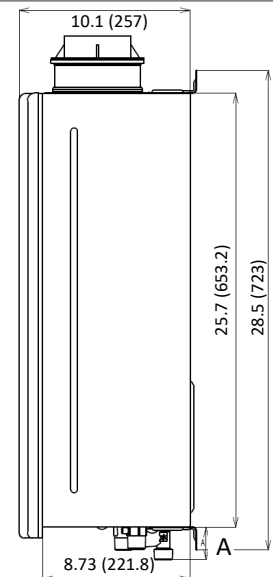
## DIMENSIONS

in. (mm)

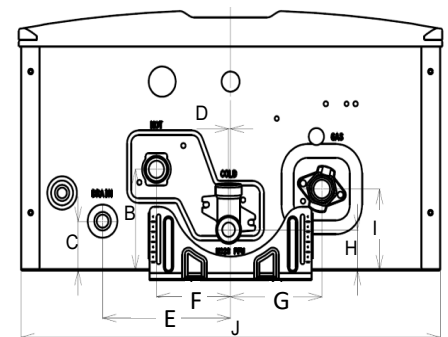
### FRONT



### 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)  |     |             |