



## Ruud® RUTG Series High Efficiency Non-Condensing Tankless Gas Water Heaters

### Easy Installation

- **Industry Leading!** 43' vent run capability
- Enhanced design up to 10% smaller to fit in even more places than before
- Enhanced design up to 22% lighter making one-person installs even easier

### Ready for Retrofits

- **Industry Best!** 1/2" side to side clearance allows you to safely work in spaces the competition can't
- 1/2" Gas line compatibility (subject to local code)

- Universal Venting Compatibility with UBBINK, Metal Fab, and Rainbow venting for easier tankless to tankless replacements

### Key Features

- **Ruud® Exclusive!** Hot-start Programming™ ensures the unit is in a ready state between back-to-back usage, minimizing any cold water bursts
- Built-in EcoNet® Wi-Fi technology for direct control from your device (on select models)
- LeakGuard® – All-inclusive leak detection and prevention system that detects any leak that comes from the unit (on indoor Wi-Fi models)

### Specifications

Ruud Model Number	INDOOR			OUTDOOR			
	RUTG-70DVLN-3	RUTG-84DVLN-3	RUTG-95DVLN-3	RUTG-70XLN-3	RUTG-84XLN-3	RUTG-95XLN-3 95XELN-3 (Wi-Fi Model)	
<b>Built-in LeakGuard™ Model Number</b>			<b>RUTG-95DVELN-3 (Wi-Fi Model)</b>				
<b>Gas Input Rate (BTU/h)</b>	<b>MAX</b>	160,000	180,000	199,900	160,000	180,000	199,900
	<b>MIN</b>	11,000	11,000	11,000	11,000	11,000	11,000
<b>Uniform Energy Factor (UEF)</b>	0.82						
<b>Gallons Per Minute (GPM)</b>	<b>MAX (35°F)</b>	7.0	8.4	9.5	7.0	8.4	9.5
	<b>45°F Rise</b>	6.0	6.7	7.4	6.0	6.7	7.4
	<b>67°F Rise</b>	4.5	5.1	5.0	4.5	5.1	5.0
<b>Number of Bathrooms<sup>1</sup></b>	2.5	3	3.5	2.5	3	3.5	
<b>Temp. Range</b>	100°F - 140°F						
<b>Temp. Setting from Factory</b>	120°F						
<b>High Temp. Upgrade Available</b>	No						
<b>Freeze Protection</b>	-30°F Air Intake <sup>2</sup> , -4°F Ambient						
<b>Heat Exchanger Material</b>	Primary: Copper						
<b>Minimum Activation Flow</b>	0.4 GPM						
<b>Minimum Continuous Flow</b>	0.26 GPM						
<b>Maximum Altitude</b>	7,800 ft.						
<b>Ultra Low NOx</b>	Meets 14 ng/J NOx requirements - SCAQMD Rule 1146.2 compliant						
<b>Warranty</b>	15 Year Heat Exchanger   5-Year Parts   1-Year Labor						
<b>Height</b>	24.2"			20.75"			
<b>Width</b>	13.5"			13.5"			
<b>Depth</b>	10.27"			9.4"			
<b>Weight (Lbs.)</b>	46.5			42			
<b>Venting Diam. Allowed</b>	3" by 5" CONCENTRIC			N/A			
<b>Max. Single Vent Run (straight pipe)</b>	43 ft.			N/A			
<b>Approved Venting Manufacturer</b>	Metal Fab, Rainbow, UBBINK						
<b>Manifold Controls (max. units)</b>	6 Units <sup>3</sup>						
<b>Controls</b>	Built-in digital display			External Remote (Included)			
<b>Power Supply</b>	120V 60Hz						
<b>Max. Power Consumption</b>	85W (Normal use), 0.7 Amps 132W (Antifreeze), 1.1 Amps 3.5W (Standby), 0.03 Amps <sup>4</sup>						
<b>Gas Connection</b>	3/4" NPT						
<b>Hot Water Connection</b>	3/4" NPT						
<b>Cold Water Connection</b>	3/4" NPT						

All models are available in Natural Gas or Propane (LP). For Propane replace the N with P for LP model.



Indoor DV

Outdoor

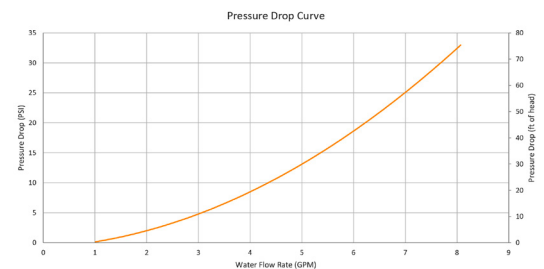
### RUTG Series Models

Indoor & Outdoor Models  
11,000-199,900 BTU/h  
Natural Gas and  
Liquid Propane Models\*

\*Swap P for N in model number for Liquid Propane model



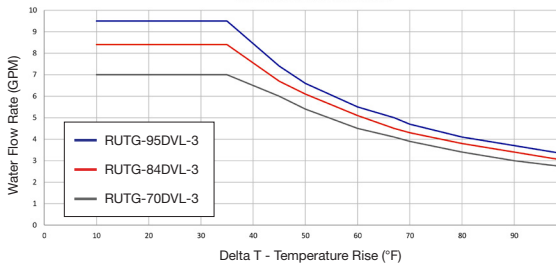
Clearances	
<b>Top / Bottom</b>	12"
<b>Front</b>	1/2" <sup>5</sup>
<b>Sides</b>	1/2"
<b>Back / From Vent Pipe</b>	0"



<sup>1</sup> Based on simultaneous showers using 2.5 GPM flow rate pre-mixed with cold water line. Flow rates vary depending on temperature of incoming cold water and water heater set temperature. Refer to flow rate curves for accurate sizing. <sup>2</sup> For indoor application, this is the temperature of outdoor intake air. <sup>3</sup> Manifolds with standard RJ11 communication cables. <sup>4</sup> If anti freeze is on and combustion is on, total W will be 217W (85+132). <sup>5</sup> Recommended 24" clearance for service.



## Water Heater Flow Rate Curves



## Water Flow (GPM)

Model Number	Temperature Rise (°F)								
	35°	45°	50°	60°	67°	70°	80°	90°	100°
RUTG-95DVL-3	9.5	7.4	6.6	5.5	5.0	4.7	4.1	3.7	3.3
RUTG-84DVL-3	8.4	6.7	6.1	5.1	4.5	4.3	3.8	3.4	3.0
RUTG-70DVL-3	7.0	6.0	5.4	4.5	4.1	3.9	3.4	3.0	2.7

Above estimates are for sizing purposes only.

## Venting

SINGLE UNIT: MAX. EQUIVALENT VENT LENGTHS - STRAIGHT PIPE	
Number of 90° Elbows	Max Length 3" / 5" straight pipe
0	43 ft. (13.1 m)
1	41.5 ft. (12.6 m)
2	38.5 ft. (12.2 m)
3	34 ft. (11.7 m)
4	28 ft. (11.3 m)
5	20.5 ft. (10.8 m)
6	11.5 ft. (10.4 m)

Equivalent Ft. of Elbows	
	3"/5"
90° Elbow	1.6 ft.
45° Elbow	9 in.

Venting Materials Allowed: 3-in./5-in. (7.6-cm/12.7-cm) UL-approved Category III Stainless Steel vent materials or water heater manufacturer-approved vent material (MetalFab, UBBINK, and Rainbow)

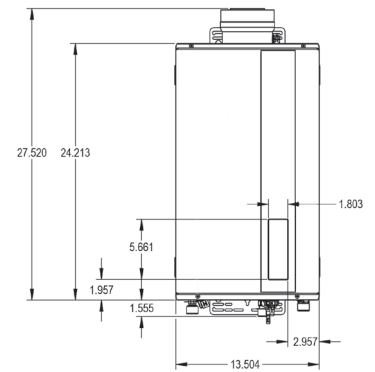
Min. Vent Length Straight Pipe	
Number of 90° Elbows	Min. Length 3"/5" pipe
1	1.0 ft (0.3 m)

Hanging bracket is included with water heater.

## Parts & Accessories

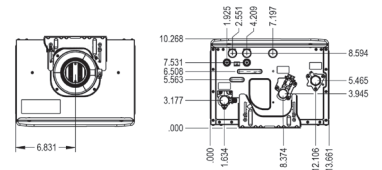
Recirculation Pump	Pipe Cover	Horizontal Vent Termination Twin Pipe System	Concentric Vent Termination Twin Pipe System	AllClear® Water Treatment System	Isolation Valve Kit	Manifold Cables
AP17920	AP22459	RTG20281-1	RTG20282	RTG20251	RTG20326	RCPN-AMP03-001311101-0003 (48")

## INDOOR DIRECT VENT

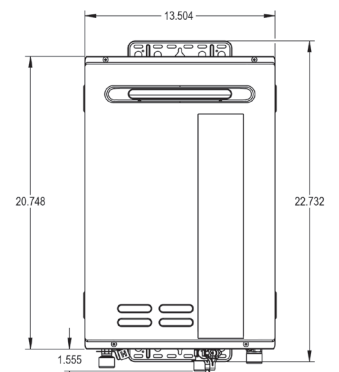


## TOP VIEW

## BOTTOM VIEW

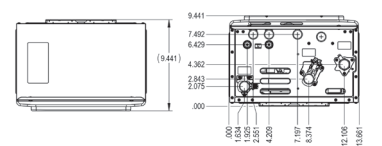


## OUTDOOR



## TOP VIEW

## BOTTOM VIEW



In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.