

Rheem RTGH-RH10DVLP

Rheem Prestige RTGH-RH10DVLP Condensing Tankless Indoor Liquid Propane Water Heater Instruction Manual

Model: RTGH-RH10DVLP | Brand: Rheem

1. IMPORTANT SAFETY INFORMATION

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Read all instructions thoroughly before installation and operation. Failure to follow these instructions can result in property damage, personal injury, or death. This appliance must be installed by a qualified professional.

- Ensure proper ventilation as specified in the installation guide.
- Do not store flammable materials near the water heater.
- Verify gas and water connections are secure and leak-free.
- Always disconnect power before servicing the unit.

2. PRODUCT OVERVIEW

The Rheem Prestige RTGH-RH10DVLP is a high-efficiency condensing indoor tankless water heater designed to provide continuous hot water. It features a built-in recirculation pump with auto-learning programming for optimized hot water delivery.

Key Features

- Continuous hot water supply.
- High energy efficiency (0.94 UEF) and water savings settings.
- Compact, space-saving design suitable for tank replacement.
- Integrated water and gas leak detection with automatic shutdown and error code display.
- Auto-Learn Programming: Tracks water usage to optimize hot water availability during peak times.

- Ultra Low NOx burner for reduced emissions.
- Low flow activation: Minimum flow rate and activation flow rate of 0.50 GPM.

Product Dimensions

The unit measures approximately 17.38 inches in width and 28.75 inches in height.



Figure 2.1: Front view of the Rheem RTGH-RH10DVLP tankless water heater with labeled dimensions (17.25" W x 28.75" H x 14.75" D).

PRESTIGE series

PROFESSIONAL



Figure 2.2: Front view of the Rheem Prestige RTGH-RH10DVLP tankless water heater, showing the display panel and Rheem logo.

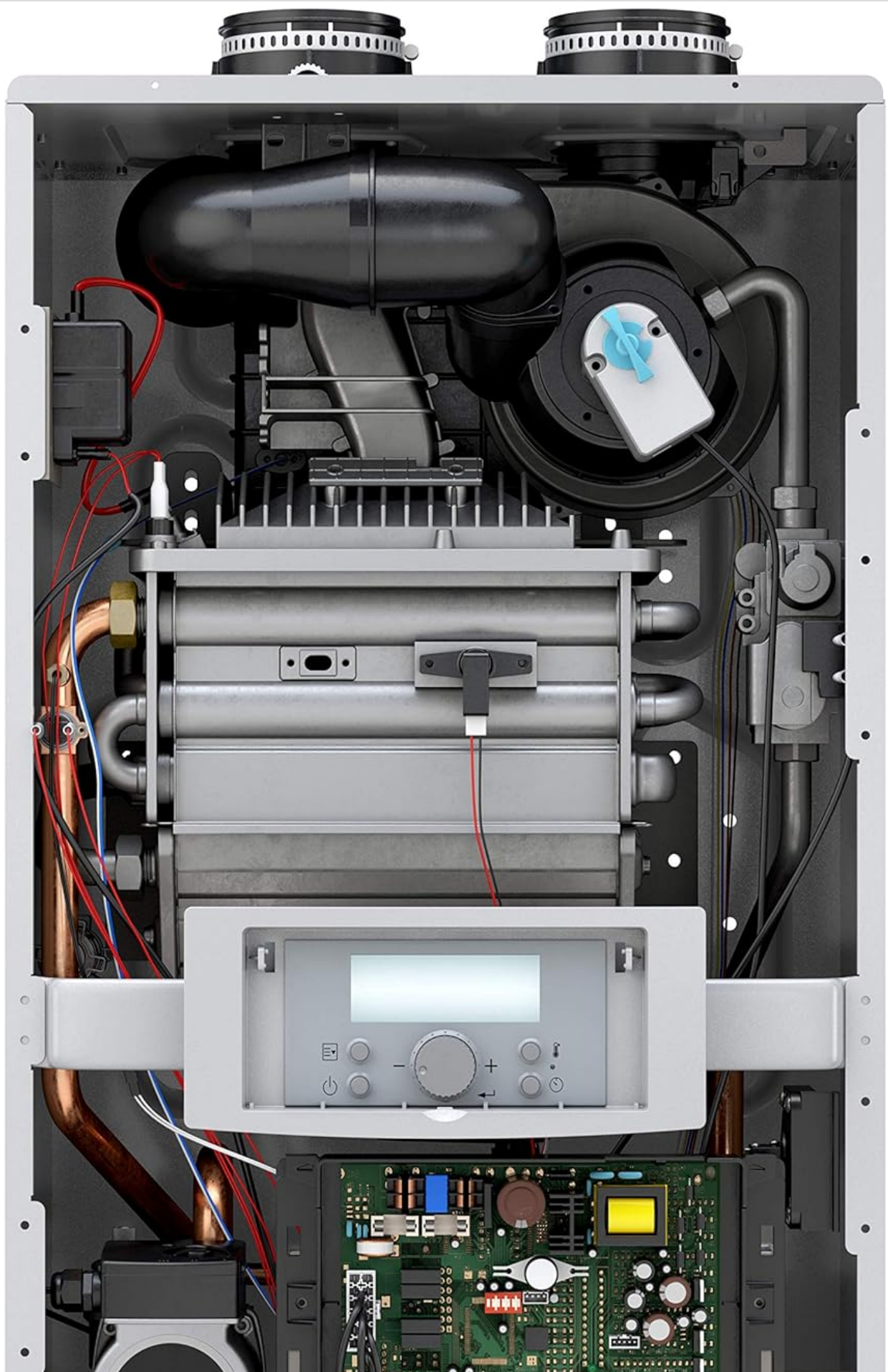




Figure 2.3: Internal view of the Rheem RTGH-RH10DVLP tankless water heater, showing the heat exchanger, control board, and various plumbing and electrical connections.

3. INSTALLATION REQUIREMENTS

Professional installation is required for this appliance. Improper installation will void the warranty and can lead to hazardous conditions. Consult the full installation manual provided with the unit for detailed instructions and local codes.

Site Selection

This model is designed for indoor installation only. Ensure the chosen location provides adequate clearance for maintenance and proper ventilation.

Venting

Venting can be up to 100 feet with 3-inch PVC pipe or up to 50 feet with 2-inch PVC pipe. Condensing tankless water heaters require specific venting materials (PVC or non-condensing stainless steel exhaust venting) which may differ from traditional tank water heaters.

Gas and Water Connections

- **Gas Line:** A 3/4-inch liquid propane gas line is recommended for optimal performance.
- **Water Connections:** Inlet and outlet piping may require alterations to connect the tankless unit.

Electrical Requirements

The unit requires 120 Volts for operation. Ensure your residence's electrical service meets the unit's requirements.



Figure 3.1: Example installation of the Rheem RTGH-RH10DVLP tankless water heater in a garage setting, showing wall mounting and connections.



Figure 3.2: Example installation of the Rheem RTGH-RH10DVLP tankless water heater in a laundry room, demonstrating its compact size and wall-mounted placement.



Figure 3.3: Rear view of the Rheem RTGH-RH10DVLP unit, showing mounting brackets and connection points.



Figure 3.4: Bottom view of the Rheem RTGH-RH10DVLP unit, illustrating the water inlet, outlet, and gas connections.



Figure 3.5: Top view of the Rheem RTGH-RH10DVLP unit, showing the exhaust and air intake connections.

4. OPERATION

Initial Startup

After professional installation, follow the specific startup procedures outlined in the comprehensive manual. This typically involves purging air from the water lines and verifying gas supply.

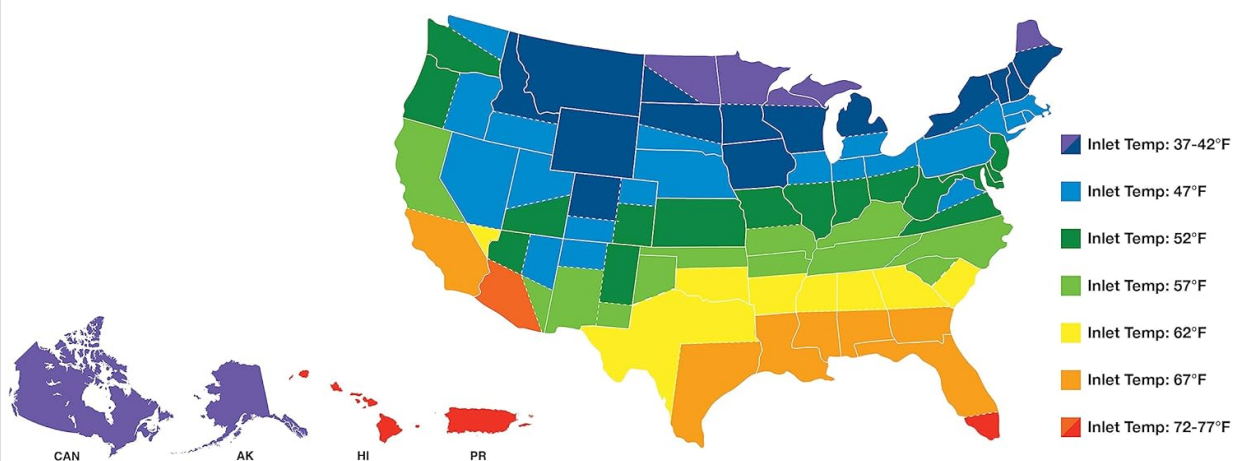
Recirculation Feature






































The built-in recirculation pump includes an auto-learning program. This system tracks your household's hot water usage patterns over time and automatically programs itself to provide hot water when needed, reducing wait times and conserving water.

Flow Rate Activation

The unit activates at a minimum flow rate of 0.50 GPM (Gallons Per Minute), ensuring hot water even with low demand fixtures.

- 1 Note the color of your location on the map
- 2 Check the approximate usage for your region in the table
- 3 Determine which BTU level is right for your family



Incoming Water Temp.		72-77°	67°	62°	57°	52°	47°	37-42°
Model No.	BTU/h	Approx. Usage	Approx. Usage	Approx. Usage	Approx. Usage	Approx. Usage	Approx. Usage	Approx. Usage
RTGH-RH11	199,900	                                    						

unit's display will often show an error code.

Error Codes

Refer to the detailed troubleshooting section in the complete owner's manual for a list of error codes and their corresponding solutions. Common issues may include flame sensor errors, overheat conditions, or flow restrictions.

Leak Detection

The unit features integrated gas and water leak detectors. In the event of a detected leak, the system will automatically shut down and display an error code to prevent further damage or hazards.

7. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Rheem
Model Number	RTGH-RH10DVLP
Product Dimensions	17.38"W x 28.75"H
Color	Gray
Voltage	120 Volts
Heat Output	180,000 British Thermal Units
Efficiency	0.94 UEF
Maximum Operating Pressure	150 PSI
Mounting Type	Wall Mount
Fuel Type	Liquid Propane
Item Weight	85 pounds
Certification	Energy Star, WaterSense
Usage	Indoor

8. WARRANTY INFORMATION

The Rheem RTGH-RH10DVLP tankless water heater comes with the following warranty coverage:

- **Heat Exchanger:** 12 years
- **Parts:** 5 years
- **Labor:** 1 year

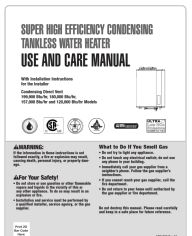
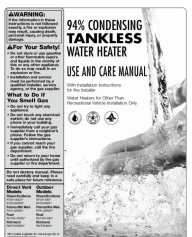
Please note that professional installation is required to maintain warranty validity. Refer to the official warranty document included with your product for complete terms and conditions.

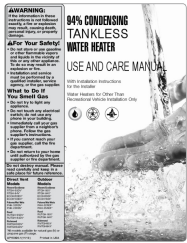
9. CUSTOMER SUPPORT

For technical assistance, troubleshooting guidance, or warranty claims, please contact Rheem customer support. Have your model number (RTGH-RH10DVLP) and serial number ready when contacting support.

You can find contact information on the Rheem official website or in the documentation provided with your water heater.

Related Documents - RTGH-RH10DVLP

	<p>Rheem Condensing Tankless Gas Water Heater Service Manual</p> <p>Comprehensive service manual for Rheem Condensing Tankless Gas Water Heaters, models RTGH-RH11DV and RTGH-RH10DV. Covers specifications, component descriptions, troubleshooting, maintenance, and diagrams.</p>
	<p>Rheem RTGH Series High-Efficiency Condensing Tankless Gas Water Heaters Specs & Features</p> <p>Explore the Rheem RTGH Series Super High Efficiency Condensing Tankless Gas Water Heaters. Get detailed specifications, installation guides, flow rates, and accessories for models RTGH-68, RTGH-84, RTGH-90, and RTGH-95.</p>
	<p>Rheem Super High Efficiency Condensing Tankless Water Heater Use and Care Manual</p> <p>Comprehensive use and care manual for Rheem Super High Efficiency Condensing Tankless Water Heaters, detailing installation, safety, operation, and maintenance for models like RTGH-95DVL-3 and various Btu/hr capacities.</p>
	<p>Rheem Condensing Tankless Water Heater Use and Care Manual</p> <p>Comprehensive use and care manual for Rheem condensing tankless water heaters, covering installation, operation, safety, maintenance, and troubleshooting for models RTGH-RH10DV, RTGH-RH11DV, ECOH180DVRHLP, ECOH180DVRHLN, ECOH200DVRHLN, and ECOH200DVRHLP.</p>
	<p>Rheem 94% Condensing Tankless Water Heater Use and Care Manual with Installation Instructions</p> <p>This Rheem 94% condensing tankless water heater manual provides comprehensive safety, installation, operation, and maintenance instructions for Direct-Vent and Outdoor models. Covers Rheem, EcoSense, Paloma/Wai Wela, Ruud, and Richmond brands.</p>



[Rheem 94% Condensing Tankless Water Heater: Use, Care, and Installation Manual](#)

Comprehensive guide for Rheem 94% condensing tankless water heaters, covering safe operation, maintenance, troubleshooting, and installation instructions for various models including RTGH, ECOH, PHH, RUTGH, and RMTGH series.