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› Rheem 22V40F1 Natural Gas Water Heater User Manual

## Rheem 22V40F1

# Rheem 22V40F1 Natural Gas Water Heater User Manual

Model: 22V40F1 | Capacity: 40 Gallons

## INTRODUCTION

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This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Rheem 22V40F1 Natural Gas Water Heater. Please read all instructions carefully before proceeding with installation or use. Retain this manual for future reference.

## SAFETY INFORMATION

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Always prioritize safety. Installation and service of this water heater require qualified personnel. Failure to follow these instructions can result in property damage, personal injury, or death. This appliance uses natural gas and produces combustion byproducts. Ensure proper ventilation and follow all local codes and regulations.

- **WARNING:** Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury, or death.
- **CAUTION:** This water heater is not compliant for emissions in some cities/counties in California. Check local codes before ordering or installing.

## PRODUCT OVERVIEW

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The Rheem 22V40F1 is a 40-gallon natural gas water heater designed for indoor installation. It features the Guardian System for enhanced safety and the Everkleen self-cleaning system to reduce sediment buildup.

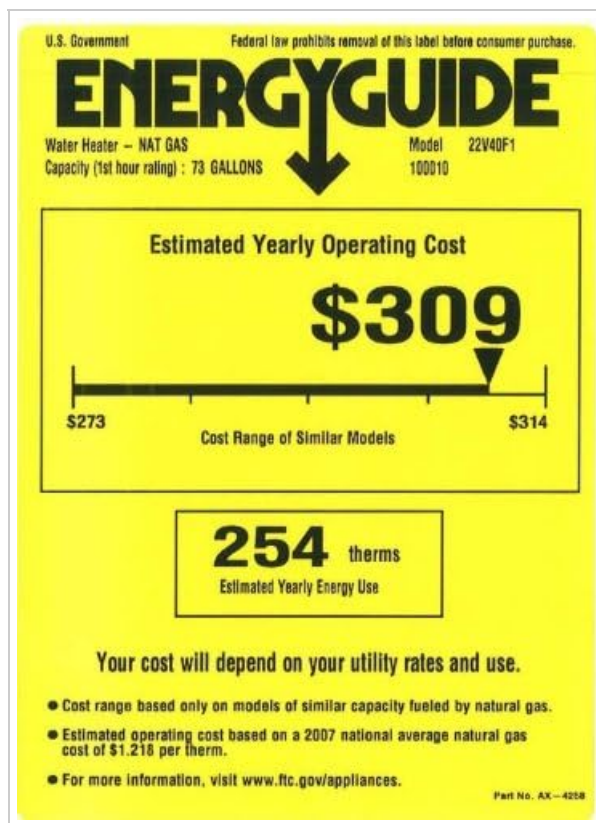


Figure 1: Rheem 22V40F1 Natural Gas Water Heater, showing its general appearance.

## Key Features:

- 40-gallon capacity, natural gas fueled.
- Guardian System: A unique air/fuel shut-off device providing double protection and maintenance-free operation (no filter to clean).
- Everkleen Self-Cleaning System: Patented technology designed to fight sediment buildup, ensuring efficient operation.
- High altitude compliant.
- Meets Low Nitrogen Oxide emission standards (check local codes for California compliance).

## SETUP AND INSTALLATION

Installation must be performed by a qualified and licensed technician in accordance with all local, state, and national codes and regulations. Improper installation will void the warranty and can lead to hazardous conditions.

### Pre-Installation Checks:

- Verify that the water heater model (22V40F1) matches your requirements and local gas type (natural gas).
- Ensure adequate space for installation, including clearances for servicing and combustion air.
- Confirm that the installation location is suitable for an indoor natural gas appliance.
- Check local codes regarding emissions, especially if installing in California.

### Installation Steps (Summary - Refer to full installation guide for details):

1. **Positioning:** Place the water heater on a level surface, ensuring proper clearances from walls and combustible materials.
2. **Water Connections:** Connect the cold water inlet and hot water outlet pipes. Install a temperature and pressure (T&P) relief valve.
3. **Gas Connection:** Connect the natural gas supply line to the water heater's gas control valve. Ensure all gas connections are leak-free.
4. **Ventilation:** Connect the flue pipe to the water heater's draft hood and vent system, ensuring proper draft and exhaust of

combustion gases.

5. **Filling the Tank:** Before lighting, fill the water heater tank completely with water. Open a hot water faucet to purge air from the system.
6. **Leak Check:** Inspect all water and gas connections for leaks.

## OPERATING INSTRUCTIONS

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Once installed by a qualified technician, operating your Rheem water heater is straightforward. Always follow the lighting instructions on the water heater label and in the full installation manual.

### Lighting the Pilot:

1. Turn the gas control knob to the "OFF" position and wait five (5) minutes to clear any gas.
2. Turn the gas control knob to the "PILOT" position.
3. Press and hold the red pilot igniter button while repeatedly pressing the spark igniter until the pilot flame lights.
4. Continue to hold the pilot igniter button for about one minute after the pilot lights. Release the button; the pilot should remain lit.
5. If the pilot does not stay lit, repeat steps 1-4.

### Setting Water Temperature:

- After the pilot is lit, turn the gas control knob to the desired temperature setting.
- The recommended starting temperature is typically 120°F (49°C) to prevent scalding and conserve energy.
- Allow several hours for the water to heat to the set temperature.

## MAINTENANCE

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Regular maintenance ensures the longevity and efficiency of your water heater. Always turn off the gas supply and disconnect power (if applicable) before performing any maintenance.

### Annual Maintenance:

- **Drain and Flush:** Annually drain a few gallons of water from the tank to remove sediment. The Everkleen system helps reduce buildup, but periodic flushing is still recommended.
- **T&P Valve Check:** Test the temperature and pressure relief valve by lifting the lever. Water should discharge from the drain pipe. If it does not, replace the valve.
- **Anode Rod Inspection:** Have a qualified technician inspect the anode rod every 3-5 years and replace it if significantly depleted.
- **Vent System Inspection:** Ensure the vent system is clear of obstructions and properly connected.

For detailed maintenance procedures, consult the complete owner's manual.

## TROUBLESHOOTING

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Before calling for service, review these common issues and solutions. For complex problems, contact a qualified service technician.

Problem	Possible Cause	Solution
No hot water or insufficient hot water	Pilot light out; thermostat set too low; gas supply off; sediment buildup.	Relight pilot; adjust thermostat; check gas valve; drain and flush tank.

Problem	Possible Cause	Solution
Water too hot	Thermostat set too high.	Lower thermostat setting.
Strange noises (rumbling, popping)	Sediment buildup in tank.	Drain and flush tank thoroughly.
Water leaks	Loose connections; T&P valve discharge; tank failure.	Tighten connections; check T&P valve; contact technician for tank issues.

## SPECIFICATIONS

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Detailed technical specifications for the Rheem 22V40F1 Natural Gas Water Heater.

- **Model Number:** 22V40F1
- **Brand:** Rheem
- **Capacity:** 40 Gallons
- **Fuel Type:** Natural Gas
- **Installation Type:** Indoor
- **Special Features:** Guardian System, Everkleen Self-Cleaning
- **Emissions:** Meets Low Nitrogen Oxide standards
- **Warranty:** 6-year parts and tank (valid with licensed technician installation)
- **UPC:** 020352518985
- **ASIN:** B001UJMQYI

## ENERGY GUIDE INFORMATION

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The following information is provided by the U.S. Government EnergyGuide label for the Rheem 22V40F1 Natural Gas Water Heater.



Figure 2: U.S. Government EnergyGuide label for Model 22V40F1.

- **Water Heater Type:** Natural Gas
- **Capacity (1st hour rating):** 73 Gallons (Note: This refers to the amount of hot water the heater can deliver in the first hour, not the tank size.)
- **Estimated Yearly Operating Cost:** \$309
- **Cost Range of Similar Models:** \$273 - \$314
- **Estimated Yearly Energy Use:** 254 therms
- *Note:* Your cost will depend on your utility rates and use. Cost range is based on models of similar capacity fueled by natural gas. Estimated operating cost is based on a 2007 national average natural gas cost of \$1.218 per therm.
- For more information, visit [www.ftc.gov/appliances](http://www.ftc.gov/appliances).

## WARRANTY INFORMATION

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Rheem provides a 6-year warranty on parts and the tank for the 22V40F1 water heater. This warranty is valid only if the unit was installed by a properly licensed technician. Please retain your proof of purchase and installation records.

For full warranty terms and conditions, refer to the documentation included with your product or visit the official Rheem website.

## CUSTOMER SUPPORT

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If you have questions, require technical assistance, or need to schedule service, please contact Rheem Customer Support. Ensure you have your model number (22V40F1) and serial number ready when contacting support.

Visit the official Rheem website for contact information and additional resources: [www.rheem.com](http://www.rheem.com)



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