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**GSW 100210773**

# GSW 40 Gallon 240 Volt 3000 Watt Dual Element Electric Water Heater User Manual

Model: 100210773

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your GSW 40 Gallon 240 Volt 3000 Watt Dual Element Electric Water Heater. This electric water heater is designed for residential use, featuring a glass-lined tank for corrosion protection, dual long-life incoloy elements, and a patented Styropour base for enhanced energy efficiency. Please read this manual thoroughly before installation or operation.



Image: Front view of the GSW 40 Gallon Electric Water Heater. It is a tall, cylindrical tank with a metallic grey finish, featuring the GSW logo near the top. Two dark rectangular access panels are visible on the front, covering the heating elements. A temperature and pressure relief valve connection is visible on the upper right side, and a brass drain valve is at the bottom center.

## SAFETY INFORMATION

**WARNING:** Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read this manual thoroughly before installing or servicing this water heater.

- **Electrical Hazard:** Ensure the power supply is disconnected before performing any service or maintenance. This unit operates on 240 Volts and 3000 Watts. All electrical work must be performed by a qualified electrician in accordance with local codes.
- **Hot Water Hazard:** Water temperatures over 125°F (52°C) can cause severe burns instantly or death from scalds. Exercise extreme caution when operating the water heater and setting the thermostat.
- **Pressure Hazard:** This water heater is equipped with a pre-installed temperature and pressure relief valve. Do not operate the water heater without a properly installed and functioning T&P valve.
- **Installation:** This water heater is designed for indoor installation only.

## SETUP AND INSTALLATION

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Installation of this electric water heater requires knowledge of plumbing and electrical systems. It is strongly recommended that installation be performed by a qualified professional.

### Pre-Installation Checks:

- Verify that the installation location is suitable for the unit's dimensions (55.88 x 55.88 x 124.46 cm) and weight (57.61 kg empty, significantly heavier when full).
- Ensure adequate clearance for maintenance and service.
- Confirm that the electrical supply matches the water heater's requirements (240 Volts, 3000 Watts).

### Plumbing Connections:

- This unit features a top-entry design. Connect the cold water inlet and hot water outlet to the appropriate ports.
- The pre-installed temperature and pressure relief valve must be connected to a discharge line that terminates safely.
- Utilize the factory-installed plastic-lined heat trap nipples for improved energy efficiency.
- Ensure all plumbing connections are watertight.

### Electrical Connections:

- Connect the water heater to a dedicated 240V circuit with appropriate overcurrent protection.
- Follow all local electrical codes and the wiring diagram provided with the unit.
- Ensure proper grounding.

## OPERATING INSTRUCTIONS

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Once installed and filled with water, the water heater is ready for operation.

### Initial Startup:

1. Ensure the tank is completely filled with water before turning on power. Open a hot water faucet in the house to allow air to escape until a steady stream of water flows.
2. Close the hot water faucet.
3. Restore electrical power to the water heater.

### Temperature Adjustment:

- The water heater features adjustable thermostats with high-temperature limit control.
- Access the thermostats by removing the access panels on the front of the unit.

- Adjust the temperature setting to your desired level. A setting of 120°F (49°C) is generally recommended for energy efficiency and safety. Higher settings increase the risk of scalding.
- The dual elements work to heat the water efficiently.

## MAINTENANCE

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Regular maintenance ensures the longevity and efficient operation of your water heater.

- **Anode Rod Inspection/Replacement:** The replaceable anode rod provides additional tank protection against corrosion. Inspect and replace the anode rod periodically (every 3-5 years, or more frequently in areas with hard water) to extend the life of the tank.
- **Draining and Flushing:** Periodically drain and flush the tank using the brass drain valve to remove sediment buildup. This helps maintain efficiency and prevent premature failure. The included drip tube assists in this process.
- **T&P Valve Testing:** Test the temperature and pressure relief valve at least once a year to ensure it is operating correctly. Follow the manufacturer's instructions for testing.
- **Element Inspection:** While the incoloy elements are designed for long life, periodic inspection by a qualified technician can identify potential issues.

## TROUBLESHOOTING

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Before calling for service, review the following common issues and their potential solutions.

Problem	Possible Cause	Solution
No hot water	No power to unit; tripped high-temperature limit; faulty element; faulty thermostat.	Check circuit breaker; reset high-temperature limit (if applicable); consult a qualified technician for element/thermostat replacement.
Not enough hot water	Thermostat set too low; excessive hot water usage; sediment buildup; faulty element.	Increase thermostat setting; reduce hot water demand; drain and flush tank; consult a qualified technician.
Water leaking from tank	Loose plumbing connections; T&P valve discharge; tank corrosion.	Tighten connections; check T&P valve operation; if tank corrosion, replacement may be necessary.
Unusual noises	Sediment buildup in tank.	Drain and flush the tank thoroughly.

For issues not listed or if solutions do not resolve the problem, contact a qualified service technician.

## SPECIFICATIONS

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Attribute	Detail
Brand	GSW
Model Number	100210773 (G950SDE-30 250)
Capacity	40 Gallons (182 Liters)

Attribute	Detail
<b>Voltage</b>	240 Volts
<b>Wattage</b>	3000 Watts
<b>Elements</b>	Dual Incoloy Elements
<b>Dimensions (L x W x H)</b>	55.88 x 55.88 x 124.46 cm (22 x 22 x 49 inches)
<b>Item Weight (Empty)</b>	57.61 kg (127 lbs)
<b>Maximum Pressure</b>	8 Bars
<b>Installation Style</b>	Indoor Installation
<b>Special Features</b>	Corrosion Protection, Energy Efficiency (Styropour base)
<b>Country of Origin</b>	Canada

## WARRANTY INFORMATION

This product comes with a limited warranty. Please refer to the specific warranty documentation included with your purchase for full terms and conditions. Based on available information, a **30-day warranty** is provided. For warranty claims or detailed information, please contact the retailer or manufacturer directly.

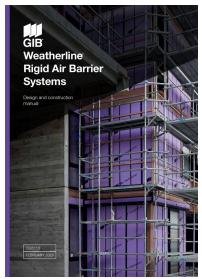
## CUSTOMER SUPPORT

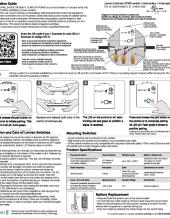
For technical assistance, parts, or service inquiries, please contact GSW customer support or your authorized dealer. Keep your model number (100210773) and purchase date readily available when contacting support.

*Note: Specific contact details for GSW are not provided in this manual. Please refer to the packaging or GSW's official website for the most current support information.*

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## Related Documents - 100210773

	<p><a href="#"><u>GIB Weatherline® Rigid Air Barrier Systems: Design and Construction Manual</u></a></p> <p>Comprehensive guide to GIB Weatherline® Rigid Air Barrier Systems, covering design, installation, specifications, and performance for residential and commercial buildings. Learn about moisture protection, air sealing, structural bracing, and fire resistance.</p>
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	<p><a href="#"><u>GSW EnviroSense Residential Gas Water Heater Installation and Operation Manual</u></a></p> <p>This manual provides comprehensive instructions for the installation, operation, and maintenance of the GSW EnviroSense Residential Gas Water Heater, Model 6G50 76N Series 110. It includes detailed safety warnings, operating procedures, troubleshooting guidance, and parts lists to ensure safe and efficient use.</p>
	<p><a href="#"><u>520H Direct Vent Indoor Models: Installation Manual and Owner's Guide</u></a></p> <p>Comprehensive guide for the installation, operation, and maintenance of the 520H On-Demand Condensing Water Heater. Covers safety guidelines, installation procedures, troubleshooting, and warranty information.</p>
	<p><a href="#"><u>GSW Residential Gas Water Heaters Installation and Operating Manual</u></a></p> <p>Comprehensive guide for the installation, operation, and maintenance of GSW Residential Gas Water Heaters. Covers safety precautions, typical installation steps, troubleshooting, and maintenance procedures for direct-vented gas models.</p>
	<p><a href="#"><u>CarTeck GSW 40 Series Sectional Garage Doors: Technical Guide &amp; Specifications</u></a></p> <p>Comprehensive technical guide for CarTeck GSW 40-S, GSW 40-M, and GSW 40-L sectional garage doors by Teckentrup. Details installation, dimensions, finishes, colors, guarantees, and technical specifications.</p>
	<p><a href="#"><u>Levven Controls GPSW Wireless Switch Installation Guide and Specifications</u></a></p> <p>Comprehensive installation guide, operation instructions, and product specifications for the Levven Controls GPSW wireless switch system. Learn how to pair, operate, and maintain your smart home switch.</p>