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› [ClimaTek](#) /

› [ClimaTek Ice Maker Water Valve K-78512-2 Instruction Manual](#)

ClimaTek K-78512-2

ClimaTek Ice Maker Water Valve

MODEL: K-78512-2

Introduction

This instruction manual provides essential information for the proper installation, operation, and maintenance of your ClimaTek Ice Maker Water Valve, Model K-78512-2. This component is designed as a direct replacement part for various ice maker systems, including those compatible with Robertshaw specifications. Please read this manual thoroughly before proceeding with installation or any maintenance to ensure safe and correct usage.

Safety Information

Warning: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read these instructions thoroughly before installing or servicing this equipment.

- Always disconnect power to the appliance before servicing.
- Turn off the water supply to the appliance before servicing.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection.
- If you are not qualified to install or repair this component, seek assistance from a qualified service technician.
- Ensure all connections are secure and leak-free after installation.

Package Contents

Verify that all items are present upon opening the package:

- 1 x ClimaTek Ice Maker Water Valve (Model K-78512-2)

Setup and Installation

This section outlines the general steps for replacing an ice maker water valve. Specific procedures may vary depending on your appliance model. Refer to your appliance's service manual for detailed instructions.

1. **Preparation:** Disconnect the appliance from its power source and turn off the main water supply to the appliance.
2. **Access the Valve:** Locate the existing ice maker water valve. This typically involves removing a rear

access panel or other components of the refrigerator/freezer.

3. **Disconnect Old Valve:** Carefully disconnect the electrical wiring and water lines from the old valve. Be prepared for residual water in the lines.
4. **Remove Old Valve:** Unmount the old valve from its position.
5. **Install New Valve:** Mount the new ClimaTek K-78512-2 water valve in the same location and orientation as the old one. Ensure it is securely fastened.
6. **Connect Water Lines:** Connect the water inlet and outlet lines to the new valve. Ensure all connections are tight to prevent leaks.
7. **Connect Electrical Wiring:** Reconnect the electrical wiring to the terminals on the new valve. Ensure correct polarity if applicable.
8. **Restore Water and Power:** Slowly turn on the main water supply and check for any leaks. Once confirmed leak-free, restore power to the appliance.
9. **Test Operation:** Allow the ice maker to cycle and produce ice to confirm proper function of the new valve.



Figure 1: ClimaTek Ice Maker Water Valve K-78512-2. This image displays the light blue plastic valve body, metal mounting bracket, and electrical terminals.

Operation

The ClimaTek Ice Maker Water Valve K-78512-2 is an automatic component designed to control the flow of water into your ice maker. When the ice maker calls for water, the valve opens to allow a measured amount of water to fill the ice mold, then closes. This process is managed by the ice maker's control system. No direct user interaction is required for the valve's operation once correctly installed.

Maintenance

The ice maker water valve itself requires minimal maintenance. However, periodic inspection of the surrounding components is recommended:

- **Leak Inspection:** Regularly check water lines and connections around the valve for any signs of

leaks. Address any leaks immediately to prevent water damage.

- **Water Filter:** If your refrigerator has a water filter, ensure it is replaced according to the manufacturer's recommendations. A clogged filter can reduce water pressure to the valve.
- **Cleanliness:** Keep the area around the valve clean and free of debris.

Troubleshooting

If your ice maker is not functioning correctly after valve replacement, consider the following:

Problem	Possible Cause	Solution
No water filling ice mold	<ul style="list-style-type: none">• Water supply off• Kinked water line• Clogged water filter• Faulty electrical connection to valve• Defective ice maker control board	<ul style="list-style-type: none">• Ensure water supply is on• Check and straighten water lines• Replace water filter• Verify electrical connections are secure• Consult appliance service manual or technician
Water leak around valve	<ul style="list-style-type: none">• Loose water line connection• Damaged water line or valve fitting	<ul style="list-style-type: none">• Tighten connections• Inspect water lines and fittings for damage; replace if necessary
Ice maker overfills	<ul style="list-style-type: none">• Defective water valve (stuck open)• Faulty ice maker control board	<ul style="list-style-type: none">• Replace water valve• Consult appliance service manual or technician

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified appliance service technician.

Specifications

- **Model:** K-78512-2
- **Brand:** ClimaTek
- **Replaces Part #:** K-78512-2
- **Compatibility:** Fits Robertshaw and other compatible ice maker systems
- **Product Dimensions:** 4 x 6 x 5 inches
- **Product Weight:** 7 ounces
- **Manufacturer:** ClimaTek

Warranty Information

For specific warranty details regarding your ClimaTek Ice Maker Water Valve K-78512-2, please refer to the warranty documentation provided with your purchase or contact ClimaTek directly. Warranty terms

typically cover manufacturing defects for a specified period from the date of purchase.

Support

If you require further assistance or have questions not covered in this manual, please contact the seller or the manufacturer, ClimaTek, for support. When contacting support, please have your product model number (K-78512-2) and purchase information readily available.