

FSP 2315576, S-86-QC N

FSP Invensys Universal Refrigerator Ice Maker Water Valve User Manual

Model: 2315576, S-86-QC N

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the FSP Invensys Universal Refrigerator Ice Maker Water Valve, Model 2315576, S-86-QC N. Please read this manual thoroughly before attempting any installation or service to ensure safe and correct usage.

This water valve is designed to supply water to the ice maker and water dispenser in compatible refrigerators. It is a critical component for the proper functioning of your appliance's water system.

2. SAFETY INFORMATION

WARNING: Always disconnect power to the refrigerator and shut off the water supply before attempting any installation, repair, or maintenance on the water valve.

CAUTION: Wear appropriate personal protective equipment, such as gloves and eye protection, during installation to prevent injury.

- Ensure all connections are secure and leak-free after installation.
- Do not overtighten fittings, as this can cause damage.
- If you are unsure about any step, consult a qualified appliance technician.

3. PRODUCT DESCRIPTION AND COMPONENTS

The FSP Invensys Universal Refrigerator Ice Maker Water Valve (Part 2315576) is an appliance part designed for water flow control. It typically consists of a solenoid coil, valve body, and inlet/outlet ports.



Figure 3.1: Front view of the FSP Invensys Universal Refrigerator Ice Maker Water Valve. This image shows the main body of the valve, including the solenoid coil (orange/red component with electrical terminals) and the water inlet/outlet connections. A blue cap is visible on one of the ports.

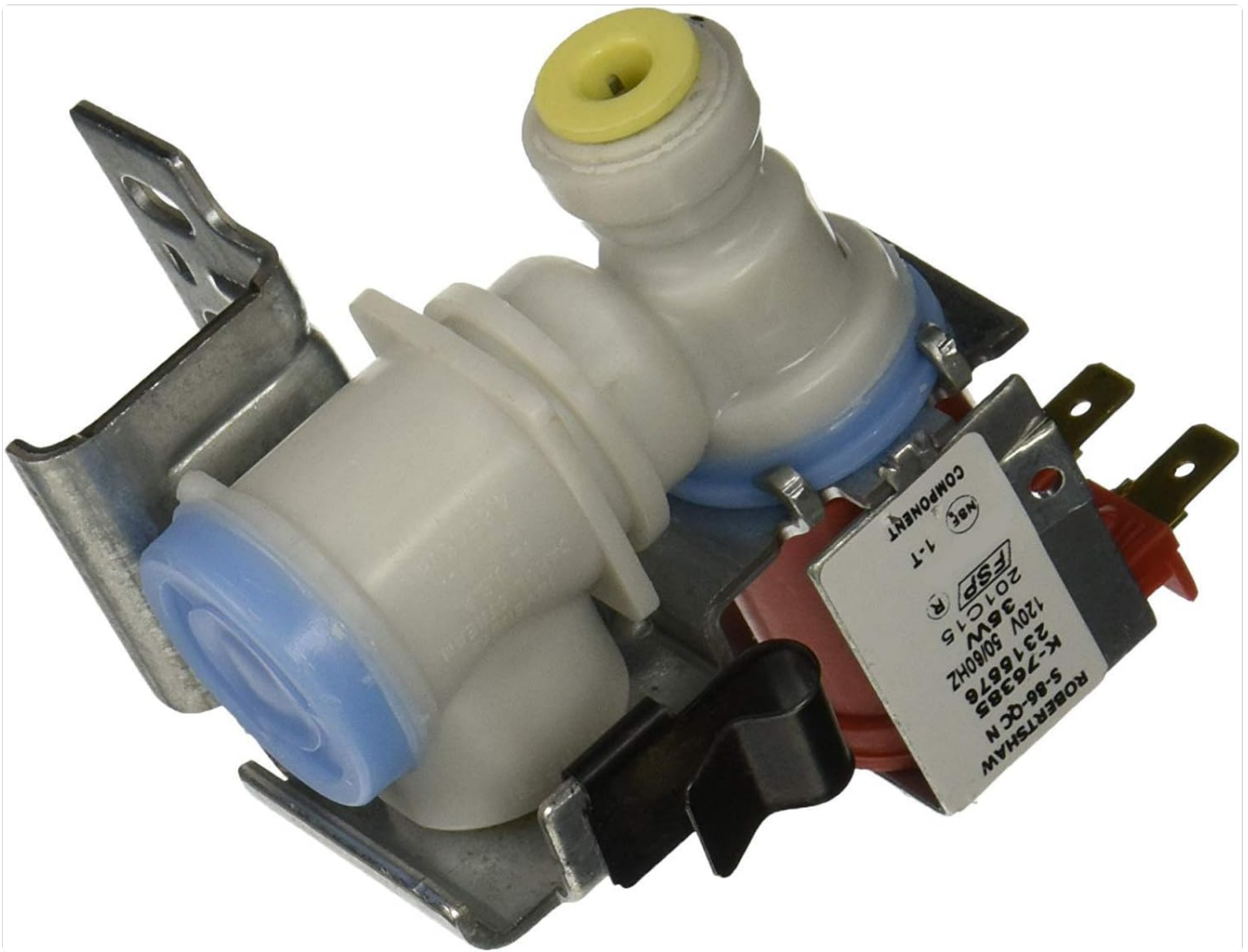


Figure 3.2: Angled view of the FSP InvenSys Universal Refrigerator Ice Maker Water Valve. This perspective highlights the mounting bracket, the various water line connections, and the electrical terminals for the solenoid. Product labels with specifications are also visible.

4. SETUP AND INSTALLATION

Installation of the water valve requires basic tools and adherence to safety procedures. If you are not comfortable performing this repair, it is recommended to seek professional assistance.

4.1. Preparation

1. Unplug the refrigerator from the electrical outlet to disconnect power.
2. Turn off the water supply to the refrigerator. This is usually a shut-off valve located behind or near the refrigerator.
3. Disconnect the water line from the existing water valve. Be prepared for some residual water to drain.
4. Remove any access panels or covers necessary to reach the water valve.

4.2. Removal of Old Valve

1. Carefully disconnect the electrical connectors from the old water valve. Note their positions if they are not color-coded.
2. Unscrew or unclip the old water valve from its mounting bracket.
3. Remove the old valve.

4.3. Installation of New Valve

1. Mount the new FSP InvenSys water valve onto the refrigerator's mounting bracket, ensuring it is secure.
2. Connect the electrical connectors to the corresponding terminals on the new valve.

- 3. Connect the water lines to the appropriate inlet and outlet ports on the new valve. Ensure all connections are tight but do not overtighten.
- 4. Replace any access panels or covers that were removed.

4.4. Post-Installation

- 1. Turn on the water supply to the refrigerator.
- 2. Check all water connections for leaks. Tighten any leaking connections immediately.
- 3. Plug the refrigerator back into the electrical outlet.
- 4. Allow several hours for the ice maker to produce its first batch of ice. Dispense water from the dispenser to purge air from the line.

5. OPERATION

The water valve operates automatically in conjunction with the refrigerator's ice maker and water dispenser. When the ice maker calls for water or the dispenser lever is pressed, the valve opens to allow water flow.

- **Ice Production:** The ice maker module sends an electrical signal to the water valve, which opens to fill the ice mold. Once filled, the valve closes.
- **Water Dispensing:** Pressing the water dispenser lever activates a switch that signals the water valve to open, allowing water to flow through the dispenser. Releasing the lever closes the valve.

6. MAINTENANCE

The FSP Invensys water valve is designed for durability and typically requires minimal maintenance. However, periodic checks can help ensure its longevity and proper function.

- **Leak Inspection:** Periodically check the water lines and connections around the valve for any signs of leaks or drips. Address any leaks immediately.
- **Water Filter:** Ensure your refrigerator's water filter is replaced regularly 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 dust or debris.

7. TROUBLESHOOTING

If you experience issues with your ice maker or water dispenser after installing the new valve, consider the following common problems and solutions:

Problem	Possible Cause	Solution
No water to ice maker/dispenser	Water supply off	Turn on water supply
	Kinked water line	Straighten water line
	Clogged water filter	Replace water filter
	Valve not receiving power	Check electrical connections and refrigerator power
	Defective valve (unlikely if new)	Verify valve operation with a multimeter (if comfortable)

Problem	Possible Cause	Solution
Slow water flow	Low household water pressure Partially clogged water filter Partially kinked water line	Check household water pressure Replace water filter Inspect and straighten water line
Water leaks from valve connections	Loose connections Damaged water line or fitting	Tighten connections (do not overtighten) Inspect and replace damaged components

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

8. SPECIFICATIONS

Attribute	Value
Brand	FSP
Model Name	refrigerator ice maker
Part Number	2315576, S-86-QC N
Wattage	35 watts
Voltage	120 Volts
Manufacturer	FSP

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your FSP Invensys water valve, please refer to the original purchase documentation or contact FSP customer service directly. Contact information can typically be found on the manufacturer's official website or on the product packaging.

It is recommended to have your product model number (2315576, S-86-QC N) and purchase date available when contacting support.

For additional resources, you may visit the [FSP Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question