HMHAMA HZB-50A / HZB-50 / HZB-60 / HZB-80

HMHAMA Replacement Water Inlet Valve Instruction Manual

For Commercial Ice Makers HZB-50A, HZB-50, HZB-60, HZB-80

1. Introduction

This manual provides essential instructions for the installation, operation, and maintenance of your HMHAMA Replacement Water Inlet Valve. This valve is designed for use with specific commercial ice maker models, including HZB-50A, HZB-50, HZB-60, and HZB-80. Please read this manual thoroughly before installation to ensure proper function and safety.

2. Product Overview

The water inlet valve controls the flow of water into your ice maker. A malfunctioning valve can lead to issues such as insufficient ice production or continuous water flow into the ice bin. This replacement part is engineered for high accuracy and stable performance.

2.1. Package Contents

- 1x HMHAMA Water Inlet Valve (PURO-XD-12)

2.2. Key Features

- **Compatibility:** Specifically designed for Commercial Ice Maker models HZB-50A, HZB-50, HZB-60, HZB-80.
- **Electrical Specifications:** DC12V, 6.5W.
- **Pressure Range:** 0-0.8MPa.
- **Reliability:** Engineered for stable and accurate water flow control.
- **Ease of Installation:** Designed for straightforward replacement.

3. Safety Information

WARNING: Before attempting any installation, maintenance, or repair on your ice maker, it is critical to disconnect the appliance from both the electrical power supply and the main water supply. Failure to do so can result in electric shock, water damage, or serious personal injury. If you are unsure about any step, consult a qualified technician.

4. Specifications

Model Name	HZB-50A / HZB-50 / HZB-60 / HZB-80
Part Number	PURO-XD-12
Voltage	DC12V
Power	6.5W
Pressure Range	0-0.8MPa
Product Dimensions	Approximately 5 x 5 x 3 inches
Weight	Approximately 3.84 ounces
Manufacturer	ZZHM (Brand: HMHAMA)

5. Installation Instructions

Follow these steps carefully to replace the water inlet valve in your commercial ice maker. Always prioritize safety by disconnecting power and water before starting.

1. **Disconnect Power and Water:** Locate the main power switch for your ice maker and turn it off. Unplug the appliance from the electrical outlet. Turn off the water supply valve leading to the ice maker.
2. **Access the Valve:** Depending on your specific ice maker model (HZB-50A, HZB-50, HZB-60, HZB-80), you may need to remove a rear panel or access cover to reach the water inlet valve. Refer to your ice maker's service manual for exact access procedures.
3. **Drain Residual Water:** Place a towel or small container beneath the valve to catch any residual water when disconnecting the lines.
4. **Disconnect Water Lines:** Carefully disconnect the water inlet and outlet lines from the old valve. Note their positions to ensure correct reattachment.
5. **Disconnect Electrical Wires:** Disconnect the electrical wires connected to the old valve. Take a photo or make a diagram if necessary to remember the wiring configuration.
6. **Remove Old Valve:** Unscrew or unclip the old water inlet valve from its mounting bracket.
7. **Install New Valve:** Position the new HMHAMA water inlet valve (PURO-XD-12) in the same location as the old one and secure it with screws or clips.
8. **Reconnect Electrical Wires:** Reconnect the electrical wires to the new valve, ensuring a secure connection.
9. **Reconnect Water Lines:** Reattach the water inlet and outlet lines to the new valve. Ensure all connections are tight to prevent leaks.
10. **Restore Water and Power:** Slowly turn on the main water supply to the ice maker and check for any leaks around the newly installed valve and connections. Once confirmed leak-free, plug the ice maker back into the electrical outlet and turn on its power switch.
11. **Test Operation:** Allow the ice maker to cycle and produce ice. Observe for proper water filling and ice production.



Figure 1: Front view of the HMHAMA Water Inlet Valve (PURO-XD-12) showing the electrical coil and water connections.



Figure 2: Close-up view of the valve's label, indicating "WATER VALVE PURO-XD-12", "PRESSURE: 0-0.8MPa", "POWER: 6.5W", and "VOLTAGE: DC12V".

6. Operating Principles

The water inlet valve is an electrically controlled solenoid valve. When the ice maker's control board signals for water, the valve receives 12V DC power, which energizes the solenoid coil. This action opens the valve, allowing water to flow from the main supply into the ice maker's reservoir. Once the required water level is reached, the power to the solenoid is cut, and the valve closes, stopping the water flow. This precise control ensures efficient ice production and prevents overfilling.

7. Maintenance

The HMHAMA water inlet valve is designed for durability and typically requires minimal maintenance. However, regular inspection of your ice maker's water system can help prolong the life of all components, including the valve.

- **Leak Checks:** Periodically inspect the valve and its connections for any signs of water leaks. Address any leaks immediately to prevent water damage.

- **Water Quality:** Ensure your ice maker is supplied with clean, filtered water. Sediment or mineral buildup from hard water can affect valve performance over time. Consider installing a water filter if not already present.
- **Cleaning:** If your ice maker requires descaling or cleaning, ensure the water lines and valve are flushed thoroughly afterward to remove any cleaning solution residues.

8. Troubleshooting

If your ice maker is experiencing issues related to water supply after replacing the valve, consider the following:

- **No Water Flow:**
  - Ensure the main water supply to the ice maker is turned on.
  - Check that the ice maker is plugged in and receiving power.
  - Verify electrical connections to the valve are secure.
  - Confirm the ice maker's control board is signaling the valve to open (this may require professional diagnosis).
  - Check for kinks or blockages in the water supply line.
- **Continuous Water Flow into Ice Bin (Valve Not Closing):**
  - This often indicates a faulty valve that is stuck open or not receiving the signal to close. If the valve is new, recheck installation.
  - Inspect for debris or sediment lodged within the valve preventing it from fully closing.
  - Ensure the ice maker's water level sensor is functioning correctly and signaling the control board to close the valve.
- **Leaks Around Valve Connections:**
  - Turn off water supply and power.
  - Tighten all water line connections. Do not overtighten, as this can damage fittings.
  - Inspect O-rings or gaskets for damage and replace if necessary.

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

9. Warranty and Support

For warranty information or technical support regarding your HMHAMA Replacement Water Inlet Valve, please refer to the documentation provided with your purchase or contact the seller directly. Ensure you have your purchase details and the product model number (PURO-XD-12) available when seeking support.

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