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› POCREATION BW4003A Electric Water Dispenser Pump System User Manual

## POCREATION BW4003A

# POCREATION BW4003A Electric Water Dispenser Pump System

User Manual

## 1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before operating the POCREATION BW4003A Electric Water Dispenser Pump System. Retain this manual for future reference.

- **Electrical Safety:** Always pay attention to electricity safety. Ensure the pump is properly grounded and connected to a suitable power source (100-240VAC 50/60HZ).
- **Water Temperature:** The maximum water temperature should not exceed 135°F (57°C). Operating with hotter water may damage the pump.
- **Hose Immersion:** Ensure that the hose clamp is fully immersed in water when the pump is in use to prevent dry running. Dry running can extend the service life of the pump.
- **Fluid Compatibility: WARNING!** Do not use this pump for flammable fluids such as gasoline, kerosene, oil, etc. Do not use this pump in an explosive environment or where flammable vapors are present.
- **Overheating Protection:** The pump is equipped with a thermal function to prevent overheating and protect the pump and control box from damage.
- **Backflow Prevention:** The pump includes a built-in check valve to prevent backflow.



Image 1.1: Top-down view of the pump unit, highlighting the warning label and power switch.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any parts are missing or damaged, please contact customer support.

- 1 x Water Dispenser Pump Unit (Model BW4003A)
- 1 x Drinking Connecting Pipe Assembly
- 1 x Power Plug (US Plug)
- 1 x 20 Feet Diameter 1/4 inch Hose
- 2 x Connectors
- 4 x Soft Connectors
- 1 x Rubber Ring
- 1 x Nut
- 1 x User Manual



Image 2.1: The pump unit with its hose and connectors, illustrating typical package contents.

### 3. SETUP INSTRUCTIONS

Follow these steps to set up your water dispenser pump system.

1. **Position the Pump:** Place the pump unit on a stable, flat surface near your water source (e.g., bottled water container) and the appliance requiring water (e.g., coffee machine, drinking fountain).
2. **Connect the Inlet Hose:** Attach one end of the 20-foot, 1/4-inch diameter hose to the pump's inlet port. Secure it firmly using one of the provided connectors and a rubber ring if necessary to ensure a watertight seal.
3. **Insert Inlet Hose into Water Source:** Place the other end of the inlet hose, with the hose clamp, into your bottled water container. Ensure the hose clamp is fully immersed in the water.
4. **Connect the Outlet Hose:** Attach the drinking connecting pipe assembly to the pump's outlet port. Use the appropriate connectors to secure it.
5. **Connect to Appliance:** Connect the drinking connecting pipe assembly to the water inlet of your coffee machine, drinking fountain, or other appliance.
6. **Power Connection:** Plug the pump's power cord into a standard electrical outlet (100-240VAC 50/60HZ).

### 4. OPERATING INSTRUCTIONS

Once the system is set up, follow these steps for operation.

1. **Power On:** Locate the power switch on the pump unit and switch it to the 'ON' position. The pump will begin to draw water from the source.
2. **Dispensing Water:** Operate your connected appliance (e.g., coffee machine) as per its own instructions to dispense water. The pump will automatically activate to maintain pressure and supply water as needed.
3. **Changing Water Bottles:** When changing water bottles or containers, it is **IMPORTANT** to turn off the dispenser pump system first. This prevents air from entering the system and ensures safe handling.
4. **Power Off:** When the system is not in use for an extended period, switch the power button to the 'OFF' position and unplug the unit from the electrical outlet.

## 5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your pump system.

- **Regular Cleaning:** Periodically clean the exterior of the pump unit with a damp cloth. Do not immerse the unit in water.
- **Hose Inspection:** Regularly inspect the 20-foot hose for any signs of wear, kinks, or damage. Replace the hose if necessary.
- **Connection Checks:** Periodically check all connections (inlet, outlet, and appliance connections) to ensure they are secure and free from leaks. Tighten any loose connections.
- **Water Source Cleanliness:** Ensure your water source (bottled water) is clean and free of debris to prevent clogging the pump.
- **Storage:** If storing the pump for an extended period, drain any remaining water from the hoses and pump, and store it in a dry, cool place.

## 6. TROUBLESHOOTING

If you encounter issues with your pump system, refer to the following troubleshooting guide.

Problem	Possible Cause	Solution
Pump does not turn on	No power supply Power switch is OFF	Check if the power cord is securely plugged in and the outlet is functional. Ensure the power switch on the pump is in the 'ON' position.
No water dispensed or low flow	Water bottle empty Inlet hose not fully immersed Hose kinked or clogged Loose connections Air in the system	Replace the water bottle. Ensure the hose clamp is fully submerged in water. Inspect the hose for kinks or blockages. Straighten or clear as needed. Check all hose connections for tightness. Turn off the pump, wait a few moments, then turn it back on to prime.

Problem	Possible Cause	Solution
Water leakage	Loose hose connections Damaged hose or seals	Tighten all hose connections, ensuring rubber rings and soft connectors are properly seated. Inspect hoses and seals for cracks or damage. Replace any faulty components.
Pump runs continuously	Leak in the system Appliance drawing water constantly	Check for any leaks in the entire system, including the appliance. Ensure the appliance is not continuously demanding water.

## 7. SPECIFICATIONS

Detailed technical specifications for the BW4003A Electric Water Dispenser Pump System.

- **Model:** BW4003A
- **Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Working Voltage:** 100-240VAC 50/60HZ
- **Power:** 25W
- **Rate:** 2.5 m<sup>3</sup>/h
- **Maximum Pressure:** 40 PSI (2.8 bar)
- **Head:** Approximately 3 meters (10 feet)
- **Speed:** 2950 r/m
- **Maximum Water Temperature:** 135°F (57°C)
- **Hose Length:** 20 feet
- **Hose Diameter:** 1/4 inch
- **Application:** Food grade, suitable for drinking fountains, coffee machines, and other water dispensing needs.

## 8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact your retailer. You may also visit the official POCREATION website for further assistance.