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› Labconco WaterPro PS Polishing Station Model 9000501 User Manual

Labconco 9000501

Labconco WaterPro PS Polishing Station

MODEL: 9000501

User Manual

Product Overview

The Labconco WaterPro PS Polishing Station is designed to deliver Type I, 18.2 megohm-cm water, essential for various laboratory applications. This system provides purified water from its dispensing valve or an optional dispensing gun at a typical rate of 1.8 liters per minute, depending on the feedwater flow rate and pressure, and the installed purification modules.

Key features include a timed dispense function for unattended operation, automatic and intermittent recirculation to maintain water quality and minimize bacterial growth, and a robust design with a corrosion-resistant Type 304 stainless steel front panel and unpigmented virgin natural polypropylene bowls to prevent contamination.

The control panel provides real-time water quality readings and alerts if the quality falls below a set point, ensuring consistent performance. The WaterPro PS Stations are available in specialized configurations for general chemistry, analytical, or life science applications, with upgrade options for general chemistry models.

Components and Features



Figure 1: Labconco WaterPro PS Polishing Station. This image shows the main unit mounted on a wall, featuring a top stainless steel housing with the Labconco logo. Below it are four white cylindrical purification modules, clearly labeled "CARBON" and "DEIONIZATION" (three times). To the right, a black control panel displays a digital reading of "18.2" megohm-cm, along with buttons for "TIME DISP", "MODE", "DISPENSE", and "ON/OFF". A flexible clear tube extends from the unit, leading to a white dispensing gun holder.

- **Purification Modules:** Includes carbon and deionization modules for multi-stage water purification.
- **Control Panel:** Features a digital display for megohm-cm readings and controls for timed dispense, mode selection, and power.
- **Dispensing Gun/Valve:** Provides convenient access to purified water.
- **Timed Dispense:** Allows for unattended dispensing, automatically shutting off after a user-set time.
- **Automatic Recirculation:** Maintains water quality and minimizes bacterial growth within the system.
- **Water Quality Alert:** An LED flashes the actual megohm-cm reading when water quality falls below the set point.

Setup and Installation

Proper installation is crucial for the optimal performance of your WaterPro PS Polishing Station. Ensure the unit is mounted securely and connected to an appropriate feedwater source.

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Mounting:** Securely mount the WaterPro PS unit to a sturdy wall or vertical surface using appropriate hardware. Ensure it is level and accessible for operation and maintenance.
3. **Feedwater Connection:** Connect the feedwater supply line to the designated inlet port on the unit. Ensure all connections are tight to prevent leaks.
4. **Drain Connection:** Connect the drain line to a suitable laboratory drain.
5. **Power Connection:** Connect the power cord to a grounded 115V, 60 Hz electrical outlet.
6. **Initial Rinse:** Before first use, perform an initial rinse cycle as per the detailed instructions in the full product manual to flush out any manufacturing residues and condition the purification modules.

Operating Instructions

The WaterPro PS Polishing Station is designed for user-friendly operation. Follow these steps for dispensing purified water and utilizing its features.

1. **Power On:** Press the **ON/OFF** button on the control panel to power on the unit. The display will show the current water quality in megohm-cm.
2. **Water Quality Check:** Observe the digital display. For Type I water, the reading should be 18.2 megohm-cm. If the reading is lower, allow the system to recirculate or check the purification modules.
3. **Dispensing Manually:** To dispense water, remove the dispensing gun from its holder and press the dispense button on the gun or the **DISPENSE** button on the control panel. Release the button to stop dispensing.
4. **Timed Dispense:**
 - Press the **TIME DISP** button.
 - Use the arrow buttons (if available, or refer to full manual) to set the desired dispense time.
 - Press **DISPENSE** to start the timed dispense. The unit will automatically stop after the set time.
5. **Mode Selection:** Use the **MODE** button to cycle through different display modes or operational settings as described in the comprehensive manual.
6. **Recirculation:** The system automatically performs intermittent recirculation to maintain water quality. No user intervention is typically required for this function.

Maintenance

Regular maintenance ensures the longevity and consistent performance of your WaterPro PS Polishing Station. The primary maintenance task involves replacing the purification modules.

- **Purification Module Replacement:**

The carbon and deionization modules have a finite lifespan, which depends on the quality of the feedwater and the volume of water purified. Replace modules when the water quality alert activates or when the megohm-cm reading consistently drops below acceptable levels.

- a. Power off the unit and disconnect it from the power supply.
- b. Close the feedwater supply valve.
- c. Carefully unscrew and remove the old purification modules.
- d. Install new, genuine Labconco replacement modules, ensuring they are properly seated and tightened.

- e. Open the feedwater supply valve and reconnect power. Perform a rinse cycle as per initial setup instructions.
- **System Cleaning:** Periodically wipe down the exterior of the unit with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Leak Inspection:** Regularly inspect all tubing and connections for any signs of leaks. Address any leaks immediately.

Troubleshooting

This section provides solutions to common issues you might encounter with your WaterPro PS Polishing Station.

Problem	Possible Cause	Solution
Low Water Quality (Megohm-cm reading drops)	Exhausted purification modules. Insufficient recirculation. Contaminated feedwater.	Replace carbon and/or deionization modules. Allow system to recirculate for a longer period. Check feedwater quality and pre-treatment if applicable.
No Water Dispensing	Unit not powered on. Feedwater supply off or low pressure. Dispensing gun/valve malfunction.	Ensure unit is powered on. Check feedwater supply valve and pressure. Inspect dispensing gun/valve for blockages or damage.
Leaks from Unit	Loose connections. Damaged tubing or O-rings. Improperly installed modules.	Tighten all connections. Inspect and replace damaged components. Reinstall modules correctly, ensuring seals are intact.

If the problem persists after attempting these solutions, please contact Labconco customer support for further assistance.

Specifications

- **Model Number:** 9000501
- **Brand:** Labconco
- **Water Quality Output:** Type I, 18.2 megohm-cm
- **Dispensing Rate:** Approximately 1.8 liters per minute (dependent on feedwater)
- **Electrical Requirements:** 115V, 60 Hz
- **Construction Materials:** Type 304 stainless steel front panel, unpigmented virgin natural polypropylene bowls.
- **Features:** Timed dispense, automatic/intermittent recirculation, water quality alert.

Warranty and Support

For detailed warranty information regarding your Labconco WaterPro PS Polishing Station, please refer to the warranty card included with your product or visit the official Labconco website. Warranty terms and conditions may vary.

For technical support, replacement parts, or service inquiries, please contact Labconco Customer Service. Ensure you have your model number (9000501) and serial number ready when contacting support.

Note: This manual provides general instructions. For comprehensive details, refer to the complete product manual provided by Labconco.

