

Blue Diamond C21-008

Instruction Manual

BLUE DIAMOND C21-008 RESERVOIR ACCESSORY

For MegaBlue Condensate Pumps

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Blue Diamond C21-008 Reservoir Accessory. This accessory is specifically designed to integrate with Blue Diamond MegaBlue Condensate Pumps, enhancing their functionality by providing an additional reservoir capacity. Please read this manual thoroughly before installation and operation to ensure safe and efficient use.

SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury or damage to the product and surrounding equipment:

- **Electrical Safety:** Ensure the power supply to the main condensate pump is disconnected before installing, maintaining, or troubleshooting the reservoir accessory. This accessory operates with a 230 Volt system; verify your power source matches this requirement.
- **Installation:** Installation should be performed by a qualified individual in accordance with local electrical and plumbing codes.
- **Compatibility:** This accessory is intended for use only with Blue Diamond MegaBlue Condensate Pumps. Using it with incompatible systems may lead to malfunction or damage.
- **Maintenance:** Do not attempt to repair damaged components. Contact a qualified service technician for assistance.

PRODUCT OVERVIEW

The Blue Diamond C21-008 Reservoir Accessory is a transparent plastic tank designed to collect condensate from HVAC systems before it is pumped away by a compatible MegaBlue Condensate Pump. It includes necessary connections for electrical signaling and fluid transfer.



Image: The Blue Diamond C21-008 Reservoir Accessory, featuring a translucent plastic tank, a black electrical cable with a multi-pin connector, and a clear flexible tube. Two black caps are visible on the front of the reservoir, likely for inlets or outlets.

SETUP

Follow these steps for the initial setup of your C21-008 Reservoir Accessory:

1. **Unpack:** Carefully remove all components from the packaging and inspect for any signs of shipping damage.
2. **Power Disconnection:** Ensure the main MegaBlue Condensate Pump is completely disconnected from its power source before proceeding.
3. **Mounting:** Position the reservoir accessory in a stable location, ensuring it is level and accessible for future maintenance. Refer to the MegaBlue Condensate Pump manual for specific mounting guidelines if applicable.
4. **Connect Tubing:** Connect the clear flexible tube from the condensate source to the appropriate inlet on the reservoir. Ensure all connections are secure and leak-free.
5. **Electrical Connection:** Connect the black electrical cable from the reservoir accessory to the designated port on the MegaBlue Condensate Pump. Ensure the multi-pin connector is fully seated.
6. **Power Restoration:** Once all connections are secure and verified, restore power to the main MegaBlue Condensate Pump.

OPERATING

The C21-008 Reservoir Accessory operates automatically in conjunction with the MegaBlue Condensate Pump. Once properly installed and connected, the reservoir will collect condensate, and its internal sensors will signal the main pump to activate when the condensate level reaches a predetermined point. The pump will then discharge the collected water. No direct user interaction is typically required for the operation of the reservoir accessory itself after initial setup. Its function is passive collection and signaling to the main pump.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your reservoir accessory:

- **Periodic Inspection:** Visually inspect the reservoir and all connected tubing every 3-6 months for any signs of debris, sludge buildup, or blockages.
- **Cleaning:** If buildup is observed, disconnect power to the main pump. Carefully disconnect the reservoir and clean it using mild soap and water. Rinse thoroughly with clean water. Do not use harsh chemicals or abrasive cleaners.

- **Connection Check:** Verify that all tubing and electrical connections remain secure and free from leaks or corrosion.
- **Tubing Condition:** Check the clear flexible tube for kinks, cracks, or hardening. Replace if necessary.

TROUBLESHOOTING

If you encounter issues with your C21-008 Reservoir Accessory, refer to the table below for common problems and solutions. For issues related to the main condensate pump, consult its specific instruction manual.

Problem	Possible Cause	Solution
Reservoir not filling or overflowing	Blocked inlet tubing; improper connection to condensate source; main pump not activating.	Check for kinks or blockages in the inlet tubing. Ensure the connection to the condensate source is secure. Verify the main MegaBlue pump is powered and functioning correctly.
Water leaking from reservoir connections	Loose tubing connections; damaged tubing or seals.	Ensure all tubing connections are tight and properly seated. Inspect tubing and seals for cracks or damage and replace if necessary.
Pump not activating when reservoir is full	Electrical connection issue; sensor malfunction (rare); main pump issue.	Verify the electrical cable from the reservoir to the pump is securely connected. Consult the MegaBlue pump manual for troubleshooting its activation. If issues persist, contact support.

SPECIFICATIONS

- Model:** C21-008
- Brand:** Blue Diamond (Accessory for MegaBlue Pumps)
- Voltage:** 230 Volts
- Item Weight:** Approximately 1.2 pounds
- Power Source:** Corded Electric (via connection to main pump)
- Flow Rate:** Dependent on connected MegaBlue Condensate Pump (up to 4.92 Liters Per Hour for compatible pumps)
- Included Components:** Blue Diamond C21-008 Reservoir Accessory

WARRANTY AND SUPPORT

For specific warranty terms and conditions related to the Blue Diamond C21-008 Reservoir Accessory, please refer to the documentation provided with your original Blue Diamond MegaBlue Condensate Pump, or visit the official Blue Diamond website. Warranty coverage typically applies to manufacturing defects.

For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact the manufacturer's customer service department. Ensure you have your product model number (C21-008) and

purchase information available when contacting support.

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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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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