

Laing LMB15107977

Laing LMB15107977 D5-38/090B Vario DC Circulator Pump Instruction Manual

1. PRODUCT OVERVIEW

The Laing LMB15107977 D5-38/090B is a Vario DC Circulator Pump designed for various DC applications. This model features an adjustable speed controller, allowing users to fine-tune the pump's performance to specific application requirements. It is equipped with 1/2-inch sweat connections and includes integrated ball and check valves for convenient installation and operation.



Figure 1: Laing LMB15107977 D5-38/090B Vario DC Circulator Pump. This image displays the bronze-colored pump with its connections.

2. KEY FEATURES

- **Versatile DC Applications:** Suitable for a wide range of direct current (DC) systems.
- **Durable Construction:** Features an ultra-hard, wear-resistant ceramic ball for extended lifespan.
- **Adjustable Speed Control:** Equipped with an easily adjustable speed controller to match performance to application needs.
- **Integrated Safety:** Includes an integrated over-temperature safety device for protection.
- **Low Maintenance:** Designed for minimal maintenance under normal operating conditions.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Laing circulator pump. It is recommended that installation be performed by a qualified professional.

3.1 Pre-Installation Checks

- Ensure the power supply matches the pump's DC voltage requirements (up to 25 Volts).
- Verify that the installation location provides adequate space for the pump and its connections.
- Confirm that all necessary plumbing components, including appropriate sealing materials, are available.

3.2 Connecting the Pump

1. Position the pump in the desired location, ensuring it is securely mounted.
2. Connect the 1/2-inch sweat connections to your plumbing system. Ensure all connections are tight and leak-free. The integrated ball and check valves simplify this process.
3. Connect the DC power supply to the pump's electrical terminals. Observe correct polarity.
4. Once all connections are secure, slowly fill the system with fluid, bleeding any air as necessary.

4. OPERATING INSTRUCTIONS

The Laing LMB15107977 D5-38/090B Vario pump features an adjustable speed controller, allowing you to optimize its performance for your specific application.

4.1 Initial Start-up

1. Ensure the system is fully primed with fluid and free of air.
2. Turn on the DC power supply to the pump.
3. The pump will begin operating at its current speed setting.

4.2 Adjusting Pump Speed

- Locate the speed adjustment knob on the pump.
- Rotate the knob to increase or decrease the pump's speed and flow rate.
- Monitor the system's performance to achieve the desired flow (up to 4 Gallons Per Minute) and pressure.

5. MAINTENANCE

Under normal operating conditions, the Laing LMB15107977 D5-38/090B circulator pump is designed to be maintenance-free due to its robust construction and ceramic ball bearing system.

5.1 Periodic Checks

- Periodically inspect the pump and connections for any signs of leaks or damage.
- Ensure the power supply connections remain secure.
- Keep the area around the pump clean and free from obstructions to ensure proper ventilation.

6. TROUBLESHOOTING

If you encounter issues with your circulator pump, consider the following troubleshooting steps:

- **Pump Not Running:** Check the DC power supply. Ensure all electrical connections are secure and correct. Verify that the integrated over-temperature safety device has not been triggered.

- **Low Flow Rate:** Ensure the system is fully primed and free of air. Check the speed adjustment knob to confirm it is set to the desired flow rate. Inspect for any blockages in the plumbing system.
- **Unusual Noise:** Air in the system is a common cause of noise. Bleed the system thoroughly. Check for any loose mounting or vibrations.
- **Leaks:** Inspect all plumbing connections, especially the 1/2-inch sweat connections, and tighten as necessary.

If problems persist after performing these checks, contact a qualified technician or the manufacturer for assistance.

7. SPECIFICATIONS

Brand	Laing
Model Number	LMB15107977
Product Type	Vario DC Circulator Pump
Connections	1/2-Inch Sweat
Integrated Features	Ball and Check Valve
Power Source	DC
Voltage	Up to 25 Volts
Maximum Flow Rate	4 Gallons Per Minute
Material	Ceramic, Bronze
Color	Bronze
Style	Low Profile
UPC	733886725605

8. WARRANTY AND SUPPORT

Specific warranty terms and conditions for the Laing LMB15107977 D5-38/090B Vario DC Circulator Pump are not provided within this manual. For detailed warranty information, technical support, or service inquiries, please refer to the documentation included with your purchase or contact Laing customer service directly.

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