

Simalube SL01-125

Simalube 125ML Automatic Single Point Lubricator (Model SL01-125) User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Simalube 125ML Automatic Single Point Lubricator. The Simalube lubricator is designed to deliver a precise and consistent amount of lubricant to a single lubrication point over an extended period. Its intelligent design ensures optimal lubrication, contributing to increased machinery lifespan and reduced maintenance costs. Please read this manual thoroughly before installation and operation.

2. SAFETY INFORMATION

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

- Ensure the lubricator is installed by qualified personnel familiar with lubrication systems and machinery safety.
- Do not attempt to open or tamper with the lubricator's internal components. It contains a gas-producing dry cell under pressure.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, when handling lubricants and installing the device.
- Verify that the chosen lubricant is compatible with the application and machinery components.
- Dispose of used lubricators and lubricants according to local environmental regulations.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

The Simalube 125ML Automatic Single Point Lubricator is a self-contained unit designed for continuous, precise lubrication. It features an adjustable dispensing rate, powered by a hydrogen gas-producing dry cell, ensuring consistent lubricant delivery without external power sources.

Key Features:

- **Automatic Dispensing:** Powered by a hydrogen gas-producing dry cell for consistent, automatic

lubrication.

- **Adjustable Flow Settings:** Dispensing quantity can be adjusted from 0.08 to 8.3 ml/day using an Allen key.
- **Versatile Installation:** Can be installed in any position, including underwater, due to its sealed design.
- **Multipurpose Grease:** This specific model is pre-filled with multipurpose grease, suitable for a wide range of applications.
- **Capacity:** 125 Milliliters.



Figure 1: Simalube 125ML Automatic Single Point Lubricator. This image shows the cylindrical lubricator with 'simalube' branding and '125' indicating its capacity.

4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of the Simalube lubricator.

4.1 Unpacking and Inspection

- Carefully remove the lubricator from its packaging.
- Inspect the unit for any signs of damage. Do not use if damaged.

4.2 Choosing an Installation Location

- The Simalube lubricator can be installed in any position, including inverted or underwater, provided the connection point is secure.
- Ensure the location allows for easy access for monitoring and adjustment.
- Consider ambient temperature, as extreme temperatures can affect dispensing rates.

4.3 Attaching the Lubricator

1. Clean the lubrication point thoroughly to remove any old grease or contaminants.
2. Screw the Simalube lubricator directly onto the lubrication point (e.g., bearing housing) or connect it via a suitable adapter and extension hose if direct mounting is not feasible. The lubricator features an R1/4" thread.
3. Tighten securely by hand, then use a wrench for a final snug fit, ensuring not to overtighten.



Figure 2: Simalube 125ML Lubricator with Dimensions. This image illustrates the physical dimensions of the lubricator, including its diameter (52 mm / 2.05 in), height (100 mm / 3.9 in), and thread size (R1/4").

4.4 Setting the Dispensing Rate

The Simalube lubricator allows for precise adjustment of the dispensing period (and thus the daily lubricant volume). This is done using an Allen key to rotate the setting dial on the top of the unit.

1. Locate the setting dial on the top of the lubricator.
2. Insert an appropriate Allen key into the central slot of the dial.
3. Rotate the dial to select the desired dispensing period (e.g., 1 month, 3 months, 6 months, 12

months). The markings on the dial correspond to the total discharge time.

4. Once the desired setting is selected, the lubricator will begin dispensing automatically.

Note: Refer to the Simalube technical data sheet or consult a lubrication specialist to determine the optimal dispensing rate for your specific application.

5. OPERATING INSTRUCTIONS

Once installed and the dispensing rate is set, the Simalube lubricator operates autonomously.

5.1 Monitoring

- Regularly observe the transparent housing to monitor the lubricant level. The scale on the side indicates the remaining lubricant.
- Ensure that lubricant is being dispensed as expected. A visible drop in the lubricant level over time confirms operation.
- Check the lubrication point for signs of proper lubrication (e.g., no excessive leakage, appropriate temperature).

5.2 Changing Settings

If application requirements change, the dispensing rate can be adjusted at any time by rotating the setting dial with an Allen key, as described in Section 4.4.

6. MAINTENANCE

The Simalube lubricator is designed for minimal maintenance. The primary maintenance task is replacement.

6.1 Replacement

- When the lubricant level reaches the 'empty' mark, or at the end of the set dispensing period, the lubricator should be replaced.
- To replace, unscrew the empty unit from the lubrication point.
- Install a new Simalube lubricator following the steps in Section 4.3 and 4.4.

6.2 Cleaning

The exterior of the lubricator can be wiped clean with a damp cloth if necessary. Do not use harsh chemicals or solvents.

7. TROUBLESHOOTING

If you encounter issues with your Simalube lubricator, consider the following:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lubricator not dispensing / Lubricant level not dropping	<ul style="list-style-type: none"> • Setting dial not activated or set to 'OFF'. • Lubrication point blocked or too much back pressure. • Ambient temperature too low. • Lubricator is empty. 	<ul style="list-style-type: none"> • Ensure the setting dial is rotated to a desired dispensing period. • Check the lubrication point for blockages. Reduce back pressure if possible. • Ensure operating within recommended temperature range. • Replace the lubricator.
Lubricant dispensing too quickly	<ul style="list-style-type: none"> • Setting dial set to a short dispensing period. • Ambient temperature too high. 	<ul style="list-style-type: none"> • Adjust the setting dial to a longer dispensing period. • Ensure operating within recommended temperature range.
Lubricant leakage around connection	<ul style="list-style-type: none"> • Improperly tightened connection. • Damaged thread or seal. 	<ul style="list-style-type: none"> • Retighten the lubricator. • Inspect threads and seals; replace if damaged.

8. SPECIFICATIONS

Attribute	Detail
Brand	Simalube
Manufacturer	Simatec
Model Number	SL01-125
Material	Plastic
Liquid Volume	125 Milliliters
Item Form	Grease (Multipurpose Grease)
Recommended Uses	Lubricant for precise and adjustable lubrication for various machinery types and operating conditions, including power generation machinery.
Power Generation	Hydrogen gas producing dry cells
Dispensing Quantity	0.08–8.3 ml/day (adjustable)
Unit Count	10 Fluid Ounces (approximate for 125ML)
UPC	789981702232
First Available	January 29, 2018

9. WARRANTY AND SUPPORT

For specific warranty information and technical support, please refer to the documentation provided with your purchase or contact Simalube customer service directly. Keep your purchase receipt as proof of purchase.