

Stenner Pump Company 45MJL1A1STAA

Stenner Pump 45MJL1A1STAA Peristaltic Pump User Manual

Model: 45MJL1A1STAA | Brand: Stenner Pump Company

1. INTRODUCTION

Welcome to the user manual for the Stenner Pump 45MJL1A1STAA Peristaltic Pump. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your pump.

The Stenner Classic 45 Series Adjustable Pump is a single-head, self-priming pump designed for precise chemical feeding. Its modular design allows for easy configuration to meet various application requirements. Key features include automatic degassing, self-priming against pressure, and the ability to prime up to 25 feet.

2. SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in equipment damage, personal injury, or death.

2.1 General Safety Precautions

- Always disconnect power before performing any maintenance or service.
- Ensure proper electrical grounding.
- Wear appropriate personal protective equipment (PPE) when handling chemicals or working with the pump.
- Do not operate the pump if it is damaged or malfunctioning.
- Keep children and unauthorized personnel away from the pump during operation.

2.2 Chemical Handling

This pump is designed for chemical feeding. Always refer to the Material Safety Data Sheets (MSDS) for the chemicals being used and follow all recommended safety procedures.

3. PRODUCT OVERVIEW

The Stenner 45MJL1A1STAA Peristaltic Pump is a robust and reliable unit.

3.1 Key Features

- Single head, adjustable output.
- Gear-driven motor (26 RPM).
- Automatic degassing.
- Self-priming against pressure.
- Primes up to 25 feet.
- Modular design for easy configuration.

3.2 Components

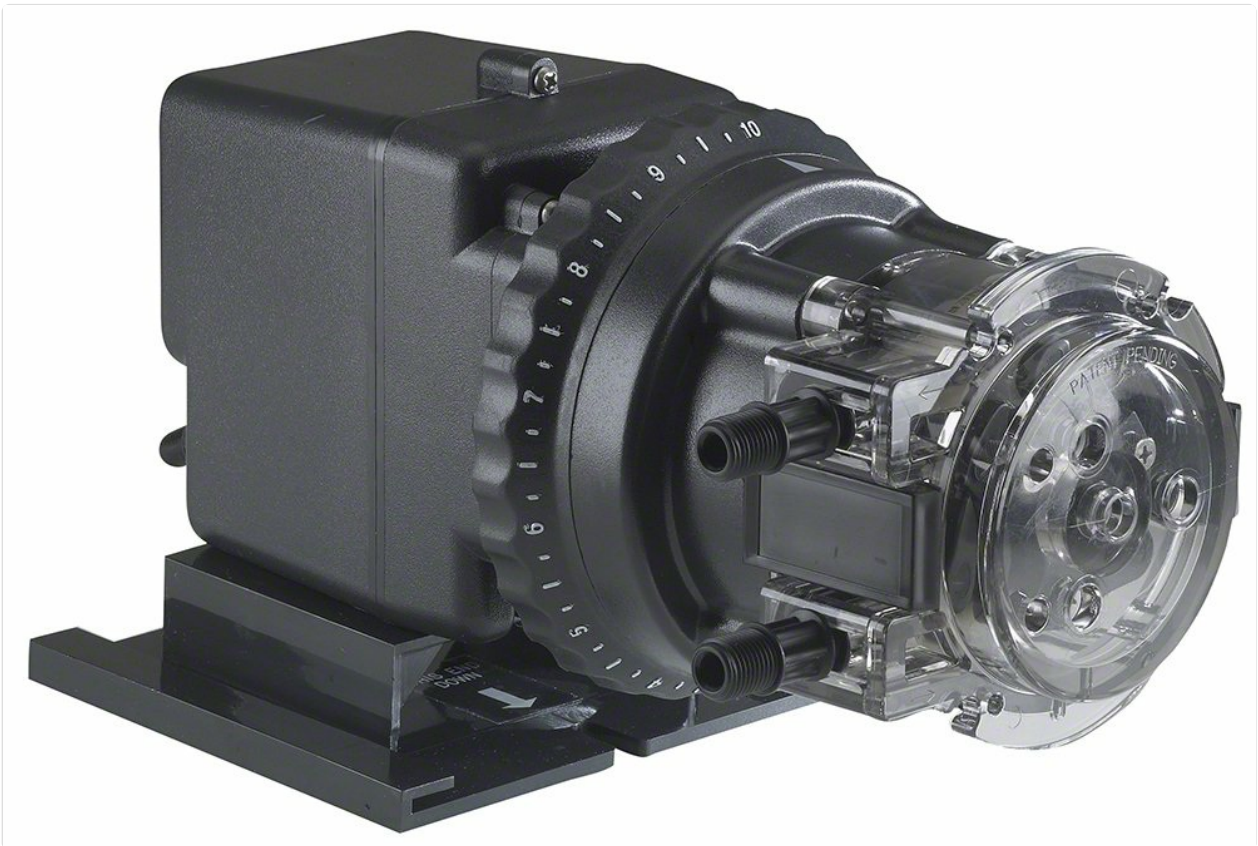


Figure 1: Stenner 45MJL1A1STAA Peristaltic Pump. This image displays the pump's main body, the adjustable dial with settings from 1 to 10, and the transparent pump head with tubing connections. The pump is black with a clear pump head, mounted on a black base.

4. SETUP AND INSTALLATION

4.1 Mounting the Pump

The pump should be mounted on a stable, level surface. Ensure adequate space for ventilation and access for maintenance.

- Secure the pump using appropriate fasteners through the mounting holes on the base.
- Verify the pump is level to ensure optimal performance.

4.2 Electrical Connection

This pump operates on 120V. Connect the pump to a dedicated, grounded electrical outlet. Consult a qualified electrician if unsure.

4.3 Tubing Connection

Connect the suction and discharge tubing to the pump head. Ensure all connections are secure and leak-free.

- The suction tube draws chemical from the supply tank.
- The discharge tube delivers chemical to the injection point.
- Ensure tubing is compatible with the chemicals being pumped.

5. OPERATING INSTRUCTIONS

5.1 Initial Start-up

1. Ensure all tubing connections are secure and the chemical supply tank is filled.
2. Verify the adjustable output dial is set to the desired flow rate (1-10).
3. Connect the pump to the power supply. The pump will begin to prime automatically.
4. Observe the pump head to confirm chemical flow and check for any leaks.

5.2 Adjusting Output

The pump's output can be adjusted using the dial on the side of the pump.

- Rotate the dial to increase or decrease the flow rate.
- Higher numbers (up to 10) indicate a higher flow rate.
- Lower numbers (down to 1) indicate a lower flow rate.

5.3 Shutting Down

To stop the pump, disconnect it from the power supply.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your Stenner pump. Always disconnect power before performing maintenance.

6.1 Routine Checks

- Inspect tubing for wear, cracks, or blockages regularly. Replace as needed.
- Check connections for leaks.
- Ensure the pump head is clean and free of chemical buildup.

6.2 Tube Replacement

The peristaltic tube is a wear item and will require periodic replacement depending on usage and chemical type.

1. Disconnect power to the pump.
2. Refer to the pump head diagram for specific tube replacement instructions.
3. Use only genuine Stenner replacement tubes.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Pump not priming	Air leak in suction line; Chemical supply empty; Clogged suction strainer	Check all suction connections; Refill chemical tank; Clean or replace strainer.
Inconsistent flow	Air in line; Worn pump tube; Chemical crystallization	Bleed air from system; Replace pump tube; Flush system with water or appropriate solvent.
Noisy operation	Worn motor; Dry pump head; Loose mounting	Contact qualified service technician; Lubricate pump head (if applicable, refer to specific instructions); Tighten mounting bolts.

8. SPECIFICATIONS

Feature	Detail
Model Number	45MJL1A1STAA
Brand	Stenner Pump Company
Power Source	Corded Electric (120V)
Motor RPM	26 RPM
Product Dimensions	1 x 1 x 1 inches
Item Weight	8.25 pounds
UPC	616312762835
Date First Available	October 30, 2014
Manufacturer	Stenner Pump Company, Inc.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Stenner Pump Company directly. Refer to the official Stenner Pump Company website or your purchase documentation for the most current contact details and warranty terms.