

LEHMANN Missouri

LEHMANN Missouri Pressure Washer User Manual

Model: Missouri

1. INTRODUCTION

Thank you for choosing the LEHMANN Missouri Pressure Washer. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new pressure washer. Please read these instructions carefully before use and retain them for future reference.

2. SAFETY INSTRUCTIONS

Your safety and the safety of others are paramount. Always observe the following safety precautions:

- **Read the entire manual:** Familiarize yourself with the controls and proper use of the equipment.
- **Personal Protective Equipment (PPE):** Always wear appropriate eye protection, hearing protection, and protective clothing when operating the pressure washer.
- **Electrical Safety:** Ensure the power supply matches the specifications of the unit. Do not operate with damaged cords or plugs. The unit features IPX-5 safety class for water resistance.
- **Water Connection:** Ensure all water connections are secure to prevent leaks. The unit has an external water filter; ensure it is clean before use.
- **High Pressure Hazard:** The water jet produced by this pressure washer is powerful. Never direct the spray at people, animals, electrical devices, or the unit itself. Maintain a safe distance from the cleaning surface to avoid damage.
- **Automatic Stop System:** The unit is equipped with an automatic stop system that cuts power when the spray gun trigger is released, enhancing safety and extending pump life.
- **Overheat Protection:** The motor is protected against overheating and will automatically shut down if temperatures become too high. Allow the unit to cool before resuming operation.
- **Accidental Ignition Protection:** The unit includes protection against accidental startup.
- **Children and Pets:** Keep children and pets away from the operating area.
- **Maintenance:** Always disconnect the power supply before performing any maintenance or cleaning tasks.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged:

- LEHMANN Missouri Pressure Washer Unit
- High-Pressure Hose (10 meters)
- Spray Gun
- Adjustable Nozzle
- Turbo Nozzle
- Detergent Bottle/Tank
- Surface Cleaner Attachment
- Water Inlet Connector
- Power Cable (5 meters)
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your pressure washer:



The LEHMANN Missouri pressure washer is shown in an outdoor setting, standing on a lawn, showcasing its compact design and portability.



Mehrere Wasserquellen

Wenn Sie einen Hochdruckreiniger mit Ansaugfunktion besitzen, ist es Ihnen möglich auch andere Wasserquellen als den normalen Leitungswasseranschluss zu verwenden. So ist die Verwendung von Regenwasser zum Beispiel möglich, im Prinzip können Sie sogar das Wasser aus einem Fluss verwenden.

A detailed view of the robust aluminum pump, highlighting its durability and efficiency. Key performance metrics such as 2200W power, 240 bar maximum pressure, quick start, 480 L/h water flow, and auto-stop system are displayed.

- **Main Unit:** Houses the motor, pump, and controls. Features wheels and a handle for portability.
- **Hose Reel:** For convenient storage of the high-pressure hose.
- **Water Inlet:** Connection point for the water supply hose.
- **High-Pressure Outlet:** Connection point for the high-pressure hose.
- **Power Switch:** On/Off control for the unit.
- **Spray Gun:** Handheld device for directing the high-pressure water jet.
- **Nozzles:** Interchangeable nozzles for various spray patterns and intensities (e.g., adjustable, turbo).
- **Detergent Bottle:** For applying cleaning solutions.
- **Surface Cleaner:** An attachment for efficient cleaning of flat surfaces like patios and decks.

5. SETUP

Follow these steps to set up your pressure washer for first use:

1. **Unpack:** Remove all components from the packaging and ensure nothing is missing or damaged.
2. **Assemble:** Attach the handle (if detachable) and any other accessories as per the diagrams in the manual.
3. **Connect Water Supply:**
 - **From Tap:** Connect a standard garden hose to the water inlet of the pressure washer and then to a water tap. Ensure the external water filter is clean and properly installed.
 - **From External Container (Suction System):** If using an external water source (e.g., bucket, rainwater tank), connect a suitable suction hose (not included) to the water inlet. Ensure the hose is fully submerged in the water source. The integrated pump allows for this bidirectional operation.



This diagram illustrates the versatile water intake options for the pressure washer, allowing connection to a standard tap or drawing water from an external source like a bucket, enabling use with rainwater or other stored water.

4. **Connect High-Pressure Hose:** Attach one end of the high-pressure hose to the high-pressure outlet on the unit and the other end to the spray gun. Ensure connections are tight.
5. **Connect Power:** Plug the power cable into a suitable grounded electrical outlet. Ensure the power switch is in the 'OFF' position before plugging in.
6. **Priming the Pump:** Before starting the motor, turn on the water supply fully. Squeeze the trigger on the spray

gun to allow water to flow through the system and expel any trapped air. Continue until a steady stream of water emerges from the nozzle. This prevents damage to the pump.

6. OPERATING INSTRUCTIONS

Once set up, follow these steps for operation:

1. **Start the Unit:** With the water supply on and the pump primed, turn the power switch to the 'ON' position. The motor will start.
2. **Select Nozzle:** Choose the appropriate nozzle for your cleaning task. The adjustable nozzle offers variable spray patterns, while the turbo nozzle provides maximum cleaning power for stubborn dirt.
3. **Begin Cleaning:** Hold the spray gun firmly with both hands. Point the nozzle at the surface to be cleaned, maintaining a safe distance (start further away and move closer if needed). Squeeze the trigger to begin spraying.



A user operates the pressure washer with the standard spray gun, directing a powerful jet of water to clean a patio area, effectively removing dirt and grime.



A close-up shot of the pressure washer's nozzle, demonstrating the powerful, concentrated spray pattern during operation.

4. **Using the Surface Cleaner:** Attach the surface cleaner to the spray gun. Place it flat on the surface and move it slowly and evenly for consistent cleaning.



An individual demonstrates cleaning a wooden deck using the pressure washer equipped with a surface cleaner attachment, designed for efficient and even cleaning of flat surfaces.

5. **Applying Detergent:** Fill the detergent bottle with appropriate pressure washer detergent. Attach it to the spray gun. The unit will draw detergent and mix it with water at low pressure. Apply detergent to the surface,

allow it to soak (refer to detergent instructions), then rinse with clear water.



An individual uses the pressure washer with the integrated detergent bottle attachment to apply cleaning solution to a wooden deck, preparing it for a thorough wash.

6. **Continuous Operation:** The unit can operate for up to 50 minutes continuously. The overheat protection will activate if the motor becomes too hot.
7. **Shutting Down:** Release the spray gun trigger. Turn the power switch to 'OFF'. Turn off the water supply. Squeeze the trigger again to release any remaining pressure in the system. Disconnect the high-pressure hose and power cable.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pressure washer:

- **Clean Water Filter:** Regularly check and clean the external water filter to prevent debris from entering the pump.
- **Nozzle Cleaning:** If the spray pattern becomes irregular or pressure drops, the nozzle may be clogged. Use the provided nozzle cleaning tool (if applicable) or a thin wire to clear any obstructions.
- **Hose and Cable Care:** Inspect the high-pressure hose and power cable for any signs of damage before each use. Do not use if damaged. Store the hose neatly on the reel.
- **Winter Storage:** If storing the unit in an area where temperatures may drop below freezing, it is crucial to drain all water from the pump and hoses to prevent damage. Run a non-toxic antifreeze solution through the pump for added protection.
- **General Cleaning:** Wipe down the exterior of the unit with a damp cloth. Do not use harsh chemicals.

8. TROUBLESHOOTING

Refer to this section for common issues and their solutions:

Problem	Possible Cause	Solution
Unit does not start	No power supply; Power switch off; Thermal overload activated.	Check power connection; Turn power switch on; Allow unit to cool down.
No pressure or low pressure	Water supply off or restricted; Air in pump; Clogged nozzle; Water filter dirty.	Check water supply and hose for kinks; Prime the pump; Clean the nozzle; Clean the water filter.
Water leaks from connections	Loose connections; Damaged O-rings.	Tighten all connections; Replace damaged O-rings.
Motor stops during operation	Overheat protection activated; Automatic stop system activated (trigger released).	Allow unit to cool down; This is normal operation when the trigger is released.

9. SPECIFICATIONS

Feature	Specification
Model	Missouri
Power	2200 W (2.2 kW)
Max Pressure	240 Bar (16 Mpa operating, 24 Mpa with turbo nozzle)
Flow Rate	480 L/H
Pump Type	Aluminum
High-Pressure Hose Length	10 Meters
Power Cable Length	5 Meters
Operating Range	13 Meters (8m hose + 5m cable)
Weight	10 Kilograms
Dimensions (L x W x H)	39.1 x 35.4 x 90.1 cm
Power Source	Electric Cable
Safety Class	IPX-5
Color	Black/Red

10. WARRANTY AND SUPPORT

LEHMANN products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your purchase or contact your retailer. If you encounter any issues or require technical

assistance, please contact LEHMANN customer support or your authorized dealer. Keep your proof of purchase for warranty claims.