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POXURIO KF100228-01HX

POXURIO Cart Airless Paint Sprayer Instruction Manual

Model: KF100228-01HX

1. Important Safety Information

This product should be used with caution to avoid chemical exposure, mechanical injuries, and pressurized liquid risks. Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and a respirator when operating the paint sprayer. Ensure adequate ventilation in your work area. Follow all local regulations for safe disposal of used materials and cleaning solutions. Read and understand all instructions before operation.

2. Product Overview and Components

The POXURIO Cart Airless Paint Sprayer (Model: KF100228-01HX) is a high-efficiency unit designed for various painting tasks. It features a powerful 1200W motor and can deliver paint at up to 3300 PSI, allowing for efficient and even spraying without the need for thinning most paints.



Figure 2.1: Main unit of the POXURIO Airless Paint Sprayer with all primary components.

Key Components:

- **Main Sprayer Unit:** Houses the 1200W motor and pump capable of 1.2L/min flow rate and 3300 PSI.
- **High-Pressure Hose:** Approximately 9.5 meters (31 feet) in length, connecting the pump to the spray gun.
- **Spray Gun:** Equipped with a trigger for paint release and a safety lock.
- **Extension Rod:** A 12-inch (11.8-inch) extension for reaching higher or further areas.
- **515 Spray Nozzle:** Standard nozzle for general spraying, providing a fine and professional spray effect.

- **Suction Line:** Draws paint from the container.
- **Return Line:** Returns excess paint to the container.
- **Cleaning Tools & Accessories:** Includes various cleaning units and caps for lines.
- **Lubricating Oil:** For pump maintenance.



Figure 2.2: The sprayer's movable design with wheels for easy transport.

3. Setup

1. **Unpacking:** Carefully remove all components from the packaging. Verify all parts listed in Section 2 are present.
2. **Assembly:**
    - Attach the high-pressure hose to the main sprayer unit and the spray gun, ensuring all connections are tight to prevent leaks.
    - Connect the suction line to the main unit and place its end into a bucket of water for initial priming and testing.
    - Place the return line into the same bucket of water.
    - Attach the 515 spray nozzle to the spray gun. The extension rod can be attached between the spray gun and the nozzle for extended reach.
3. **Lubrication:** Before first use and daily thereafter, apply a couple of drops of the provided lubricating oil into the designated slot at the front of the pump unit. This helps protect the pump from damage.
4. **Priming the Pump:**
    - Ensure the pressure control knob is set to the lowest setting.
    - Turn on the unit. The pump will begin to draw water through the suction line and return it via the return line.
    - Allow the unit to run until a steady stream of water flows from the return line, indicating the pump is primed and air has been purged from the system.

4. Operating Instructions

1. **Paint Preparation:** This airless sprayer is designed for thinning-free operation with various water-based or oil-based paints. Ensure your paint is thoroughly mixed and free of debris.
2. **Pressure Adjustment:** Adjust the pressure control knob to the desired setting. For general spraying and a fine finish, start with a lower pressure and gradually increase until the desired spray pattern is achieved. The unit supports up to 3300 PSI.
3. **Spraying Technique:**
    - Maintain a consistent distance from the surface being painted.
    - Move the spray gun in smooth, even strokes, overlapping each pass by approximately 50% to ensure uniform coverage.
    - The unit offers two methods of use: direct spraying with the nozzle attached directly to the gun, or extended reach using the 12-inch extension rod.
4. **Application:** The sprayer is suitable for a wide range of applications including home interior and exterior walls, furniture, fences, decks, and garages.



Figure 4.1: Efficient painting of large surfaces with the airless sprayer.



Figure 4.2: Achieving a fine spray effect with the 515 nozzle.

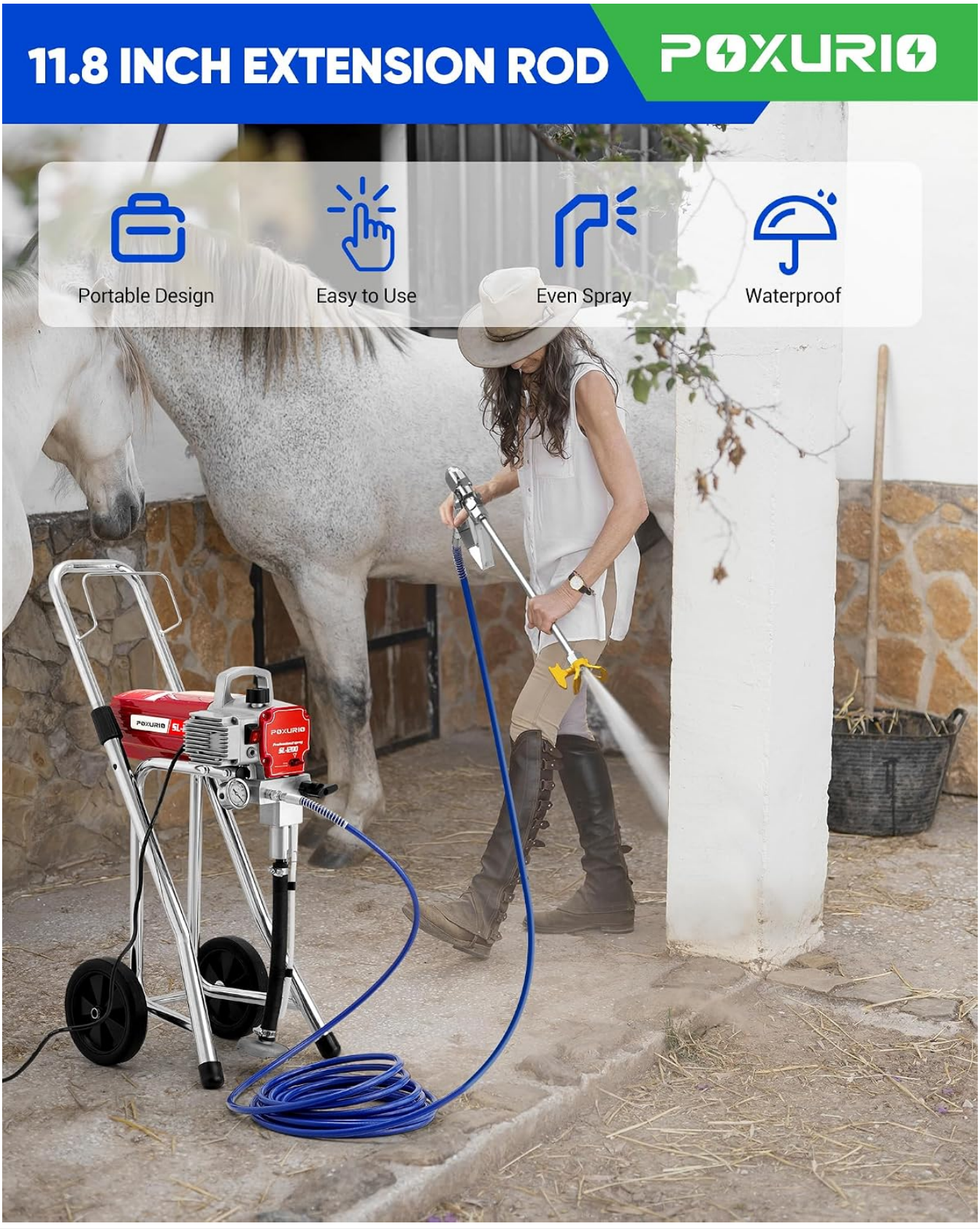

Figure 4.3: Utilizing the 11.8-inch extension rod for versatile spraying.

5. Maintenance

Proper maintenance is crucial for the longevity and optimal performance of your paint sprayer.

1. **Cleaning After Use:**
    - Immediately after each use, thoroughly flush the system with an appropriate cleaning solution (water for water-based paints, mineral spirits for oil-based paints).

- Run the cleaning solution through the suction line, pump, hose, and spray gun until the liquid runs clear.
- Clean the spray nozzle and filter thoroughly to prevent clogging.
- Use the provided cleaning tools to clear any blockages in the nozzle or gun.

2. **Lubrication:** As mentioned in the setup, apply a few drops of lubricating oil to the pump's designated slot daily or before each significant use to ensure smooth operation and prevent wear.
3. **Storage:** Store the unit in a clean, dry place. Ensure all lines are drained and capped to prevent debris from entering the system.

6. Troubleshooting

Problem	Possible Cause	Solution
Uneven Spray Pattern / Streaks	Clogged nozzle, incorrect pressure, improper technique.	Clean or replace nozzle. Adjust pressure. Practice consistent spray technique.
Overspray is excessive	Pressure too high, incorrect nozzle size for paint.	Reduce pressure. Ensure proper masking of surrounding areas. Consider a different nozzle if available.
Unit not priming / No paint flow	Air in system, clogged suction filter, dry pump.	Re-prime the pump. Clean suction filter. Add lubricating oil to pump.
Leaks from connections	Loose fittings, worn seals.	Tighten all hose and gun connections. Inspect and replace worn O-rings or seals.
Pump overheating	Prolonged use without breaks, restricted flow.	Allow unit to cool down. Ensure all lines and filters are clear.

7. Specifications

- **Brand:** POXURIO
- **Model Name:** KF100228-01HX
- **Power Source:** AC
- **Motor Power:** 1200W
- **Maximum Pressure:** 3300 PSI (Pound per Square Inch)
- **Flow Rate:** 1.2 L/min (0.47 GAL/min)
- **Hose Length:** 9.5 Meters (31 Feet)
- **Extension Rod Length:** 11.8 Inches
- **Nozzle Type:** 515 Spray Nozzle included
- **Recommended Uses:** Painting (Home interior/exterior, furniture, fences, decks, garage)
- **Material:** Metal
- **Style:** On wheels
- **Product Dimensions:** 16.54 x 33.07 x 20.28 inches
- **UPC:** 704090311342
- **Date First Available:** February 28, 2024

8. Warranty and Support

For warranty information or technical support, please contact POXURIO customer service directly. Refer to your purchase documentation for specific warranty terms and contact details. Keep your proof of purchase for any warranty claims.

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