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› LDHTHOPI PTJ-01 Airless Paint Sprayer Instruction Manual

## LDHTHOPI PTJ-01

# LDHTHOPI PTJ-01 Airless Paint Sprayer Instruction Manual

Model: PTJ-01 | Brand: LDHTHOPI

## IMPORTANT SAFETY INFORMATION

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Before operating the LDHTHOPI PTJ-01 Airless Paint Sprayer, read and understand all safety warnings and instructions. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Always wear protective clothing, goggles, and gloves when operating the sprayer.
- Avoid pointing the spray gun at people or animals.
- Keep the sprayer away from heat sources and open flames.
- Ensure adequate ventilation in the work area to prevent accumulation of hazardous fumes.
- Never spray flammable liquids near ignition sources.
- Disconnect the power supply before cleaning, servicing, or changing accessories.
- Maintain a firm grip on the spray gun and be aware of the high pressure.

## PRODUCT OVERVIEW AND COMPONENTS

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The LDHTHOPI PTJ-01 Airless Paint Sprayer is designed for efficient application of various coatings. Familiarize yourself with its components before use.

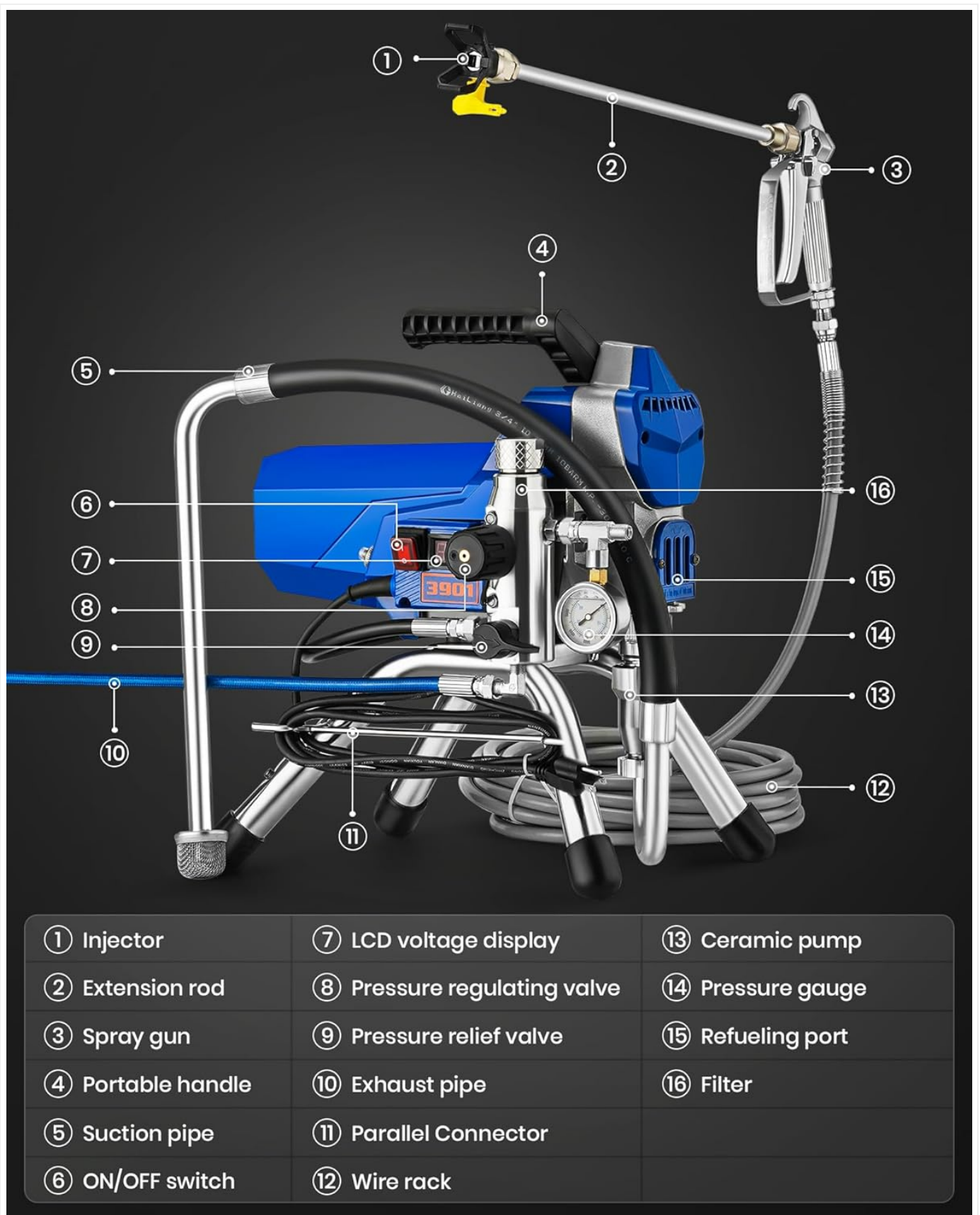


Figure 1: LDHTHOPI PTJ-01 Airless Paint Sprayer Components

1. **Injector:** Delivers paint into the high-pressure system.
2. **Extension Rod:** Provides extended reach for spraying high or distant areas.
3. **Spray Gun:** Controls the release of paint.
4. **Portable Handle:** For easy transport of the unit.
5. **Suction Pipe:** Draws paint from the container.

6. **ON/OFF Switch:** Activates and deactivates the sprayer.
7. **LCD Voltage Display:** Shows the current operating voltage.
8. **Pressure Regulating Valve:** Adjusts the spraying pressure.
9. **Pressure Relief Valve:** Releases pressure from the system.
10. **Exhaust Pipe:** Part of the internal system.
11. **Parallel Connector:** Connects various parts of the system.
12. **Wire Rack:** For organizing cables and hoses.
13. **Ceramic Pump:** High-performance pump for paint delivery.
14. **Pressure Gauge:** Displays the current operating pressure.
15. **Refueling Port:** For adding hydraulic fluid or lubricant (refer to maintenance).
16. **Filter:** Prevents debris from entering the system.

## SETUP INSTRUCTIONS

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Proper setup ensures optimal performance and safety.

1. **Prepare Work Area:** Ensure the area is well-ventilated and free from obstructions. Cover surfaces not to be painted.
2. **Connect Hoses:**
  - Connect the high-pressure hose to the sprayer outlet and the spray gun. Ensure all connections are tight.
  - Attach the suction pipe (5) to the sprayer and place the filter end into the paint container.
3. **Select Nozzle:** Choose the appropriate spray tip for your paint and application. Insert it into the spray gun.
4. **Priming the Sprayer:**
  - Turn the pressure regulating valve (8) to the lowest setting.
  - Place the return hose (from the pressure relief valve) into a waste bucket.
  - Turn the ON/OFF switch (6) to ON. The pump will start.
  - Once paint flows smoothly from the return hose, turn the ON/OFF switch to OFF.
5. **Test Spray:** Before applying to your project, test the spray pattern on a piece of cardboard or scrap material. Adjust pressure as needed.

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**Video 1:** Official LDHTHOPI Airless Paint Sprayer demonstration. This video illustrates the sprayer in action, demonstrating its high-efficiency operation and spray pattern. It shows the user preparing the sprayer and applying paint to a surface.

## OPERATING INSTRUCTIONS

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Follow these steps for effective and consistent paint application.

1. **Adjust Pressure:** Use the pressure regulating valve (8) to set the desired pressure. Higher viscosity paints typically require higher pressure. The pressure gauge (14) will display the current pressure.
2. **Maintain Distance:** Hold the spray gun approximately 10-12 inches (25-30 cm) from the surface.
3. **Consistent Movement:** Move the spray gun at a steady, even pace, overlapping each pass by about 50%.
4. **Trigger Control:** Press the trigger fully to start spraying and release it fully to stop. Avoid feathering the trigger.
5. **Extension Rod Use:** For high or hard-to-reach areas, attach the 20-inch extension rod (2) to the spray gun.

# 1600W AIRLESS SPRAYING

## COMPLETE YOUR PROJECTS MORE EFFICIENT



**20 mpa**

Maximum Output Pressure



**0.15-0.21 mm**

Nozzle Diameter



**350-400 mm**

Optimal Spraying Distance

Figure 2: Efficient outdoor spraying with the LDHTHOPI Airless Paint Sprayer.



Figure 3: Achieving a fine spray finish indoors with the LDHTHOPI Airless Paint Sprayer.

## MAINTENANCE AND CLEANING

Regular maintenance extends the life of your sprayer and ensures consistent performance.

1. **Immediate Cleaning:** Clean the sprayer immediately after each use.
  - Remove the suction pipe from the paint and place it into a bucket of appropriate cleaning solution (water for

latex, mineral spirits for oil-based paints).

- Remove the spray tip and guard. Clean them separately.
- Turn the sprayer ON and flush the system with the cleaning solution until it runs clear.
- Turn the sprayer OFF and relieve pressure using the pressure relief valve (9).

2. **Filter Cleaning:** Regularly inspect and clean the main filter (16) and the filter in the spray gun handle.
3. **Lubrication:** Periodically add pump protector or hydraulic fluid to the refueling port (15) as recommended by the paint manufacturer or sprayer guidelines to maintain pump health.
4. **Storage:** Store the sprayer in a clean, dry place, protected from freezing temperatures.



Figure 4: Cleaning the airless paint sprayer after use.

## TROUBLESHOOTING GUIDE

This section addresses common issues you might encounter during operation.

Problem	Possible Cause	Solution
No spray or weak spray	Clogged tip, clogged filter, low pressure setting, air in system, empty paint container.	Clean spray tip and filters. Increase pressure. Prime the sprayer. Refill paint.
Pulsating spray	Air in system, worn spray tip, clogged filter, low paint level.	Prime the sprayer. Replace spray tip. Clean filter. Refill paint.
Motor runs but no pressure builds	Suction pipe not submerged, air leak in suction system, worn pump packing.	Ensure suction pipe is fully in paint. Check all connections for leaks. Contact customer service for pump packing replacement.
Excessive overspray	Too high pressure, incorrect spray tip size.	Reduce pressure. Use a smaller spray tip.

## SPECIFICATIONS

Technical details for the LDHTHOPI PTJ-01 Airless Paint Sprayer.

- **Model Name:** PTJ-01

- **Brand:** LDHTHOPI
- **Power:** 1600W
- **Maximum Pressure:** 3000 PSI (Pound per Square Inch)
- **Hose Length:** 10 Meters (approximately 32.8 feet)
- **Extension Rod:** 20 inches
- **Material:** Acrylonitrile Butadiene Styrene (ABS), Metal
- **Product Dimensions:** 20.47"W x 19.09"H
- **Recommended Uses:** Painting (suitable for various paints including anti-rust, latex, epoxy)

# 20 INCH EXTENSION ROD SUITABLE FOR LARGE-SCALE SPRAYING



Figure 5: Sprayer specifications and extension rod in action.

## WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please contact LDHTHOPI customer service. Refer to your purchase documentation for specific warranty terms and contact details.

LDHTHOPI is committed to providing excellent customer service and will assist with any product-related inquiries within 24 hours.

