Nasedal R500

Nasedal R500 LVLP Spray Gun 1.3mm Nozzle Instruction Manual

Model: R500 | Brand: Nasedal

1. Introduction

The Nasedal R500 LVLP (Low Volume Low Pressure) Spray Gun with a 1.3mm nozzle is designed for efficient and precise application of various coatings. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your spray gun. Please read this manual thoroughly before first use and retain it for future reference.

Image: The Nasedal R500 LVLP Spray Gun is suitable for a variety of applications, including automotive, household walls, leather furniture, and other DIY projects.

2. Safety Information

Always use in a well-ventilated area. Wear protective clothing, eyewear, and gloves. Keep out of reach of children.

- Always wear appropriate personal protective equipment (PPE), including a respirator, safety glasses, and gloves, to protect against paint fumes and overspray.
- Ensure the work area is well-ventilated to prevent the accumulation of hazardous fumes.
- Keep the spray gun away from open flames, sparks, and other ignition sources.
- Never point the spray gun at yourself or others.
- Disconnect the air supply before cleaning, adjusting, or performing maintenance on the spray gun.
- Follow all safety instructions provided by the paint and solvent manufacturers.

3. Package Contents

Carefully unpack the box and ensure all items are present and undamaged. If any items are missing or damaged, please contact customer support.

Image: The complete kit includes the spray gun, paint cup, and various accessories for assembly and maintenance.

- LVLP Spray Gun (R500)

- 600ml/20.29oz Cup
- 1.3mm Nozzle, Needle, Air Cap
- Wrench
- Cleaning Brush
- Filter
- Accessories (various small parts)
- Connector

4. Product Overview and Components

Familiarize yourself with the main components of the Nasedal R500 spray gun to ensure proper handling and operation.

Model	Type	Nozzle	Working Pressure	Spray Distance	Cup Capacity
R500	LVLP	1.3mm	2.0-3.5bar	180-250mm	600ml

Image: Key components of the R500 spray gun, including the paint cup, nozzle, control knobs for spray width, paint flow, and air flow, trigger, and air inlet.

- **600cc Plastic Cup:** Holds the paint material.
- **Stainless Steel Nozzle + Pure Copper Air Cap:** Atomizes the paint for spraying.
- **Hook:** For convenient storage.
- **Spray Width Control Knob:** Adjusts the fan pattern width.
- **Paint Flow Control Knob:** Regulates the amount of paint released.
- **Trigger:** Activates the spray function.
- **Air Flow Adjust Valve:** Controls the air pressure to the gun.
- **Air Inlet:** Connection point for the air compressor hose.

5. Specifications

Image: Physical dimensions of the R500 spray gun and its paint cup.

Feature	Specification
Model	R500
Nozzle Size	1.3mm
Type	LVLP (Low Volume Low Pressure)
Tank Volume	0.6 liters (600cc)

Feature	Specification
Working Pressure	2.0-3.5 bar (29-51 psi)
Maximum Pressure	51 psi
Spray Distance	180-250mm
Material	Metal, Plastic (for cup)
Color	Silver
Power Source	Air Powered (requires compressor)
Parcel Dimensions	22.2 x 14.7 x 14.2 cm; 880 g

6. Setup

Follow these steps to prepare your spray gun for use:

1. **Choose and Install Nozzle:** Select the appropriate nozzle for your paint material and desired finish. Securely install it onto the spray gun.
2. **Connect to Air Compressor:** Attach the air inlet of the spray gun to your air compressor hose using the provided connector. Ensure all connections are tight to prevent air leaks.
3. **Prepare and Pour Paint:** Mix your paint according to the manufacturer's instructions. Strain the paint to remove any impurities that could clog the nozzle. Carefully pour the prepared paint into the 600ml cup.
4. **Adjust Pressure:** Connect the air compressor and adjust the air pressure to the recommended range (2.0-3.5 bar or 29-51 psi) using the air flow adjust valve on the gun or your compressor's regulator.

Image: Visual guide for the initial setup and preparation of the spray gun.

7. Operation

Achieve optimal results by understanding how to properly operate and adjust your spray gun.

Image: Demonstrating the spray gun in action, applying paint to a surface.

7.1 Adjusting Spray Pattern and Flow

Image: Detailed view of the spray gun's adjustment knobs for precise control over spraying.

- **Spray Width Control Knob:** Turn this knob to adjust the width of the spray pattern, from a narrow spot to a wide fan.
- **Paint Flow Control Knob:** Adjust this knob to increase or decrease the amount of paint being sprayed.
- **Air Flow Adjust Valve:** Fine-tune the air pressure for optimal atomization and transfer efficiency.
- **360° Adjustable Air Cap:** Rotate the air cap to change the orientation of the spray pattern (horizontal, vertical, or round).

7.2 Spraying Technique

- Maintain a consistent distance (180-250mm) from the surface.
- Move the gun at a steady speed, overlapping each pass by about 50%.
- Always release the trigger at the end of each pass to avoid paint buildup.
- Practice on scrap material to achieve the desired pattern and finish before applying to your main project.

Image: The spray gun producing a consistent and atomized spray pattern.

8. Maintenance

Proper cleaning and maintenance are crucial for the longevity and performance of your spray gun.

1. **Immediate Cleaning:** After each use, empty any remaining paint from the cup. Pour a small amount of appropriate cleaning solvent into the cup and spray it through the gun until clear solvent emerges.
2. **Disassembly and Detailed Cleaning:** Disassemble the air cap, nozzle, and needle. Use the provided cleaning brush and solvent to thoroughly clean all paint passages and external surfaces. Pay special attention to the air cap holes and nozzle tip.
3. **Reassembly:** Ensure all parts are dry before reassembling. Apply a small amount of lubricant (if recommended by paint manufacturer) to moving parts like the needle packing.
4. **Storage:** Store the clean and dry spray gun in a safe place, away from dust and extreme temperatures.

9. Troubleshooting

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Uneven Spray Pattern	Clogged air cap or nozzle, incorrect air pressure, paint too thick.	Clean air cap and nozzle. Adjust air pressure. Thin paint as per manufacturer's instructions.
No Paint Flow	Clogged nozzle, needle not retracting, paint cup empty, paint too thick.	Clean nozzle and needle. Refill paint cup. Thin paint.
Paint Leaking from Nozzle	Loose nozzle, damaged needle packing, worn out parts.	Tighten nozzle. Replace needle packing or other worn parts.
Excessive Overspray	Too high air pressure, gun too far from surface, paint too thin.	Reduce air pressure. Move gun closer to surface. Thicken paint slightly.

10. Warranty and Support

Nasedal products are manufactured to high-quality standards. For warranty information, technical support, or replacement parts, please refer to the contact information provided with your purchase or visit the official Nasedal website. Please have your model number (R500) and purchase date ready when contacting support.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question