

NuMax SPSC15

NuMax SPSC15 Pneumatic Gravity Feed Spray Gun User Manual

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1. INTRODUCTION

This manual provides instructions for the safe and effective use of the NuMax SPSC15 Pneumatic 1.5mm Tip Gravity Feed Spray Gun with 400cc Aluminum Cup. This tool is designed for various painting applications, including furniture, woodworking, automotive, and industrial projects. Please read this manual thoroughly before operation to ensure proper setup, usage, and maintenance.

Key Features

- Three adjustable control knobs (pattern, fluid, and air flow) for precise application.
- Durable stainless steel spray needle and nozzle.
- 400cc (13.5 oz.) aluminum cup with lid to prevent spills.
- Ergonomically designed aluminum body for reduced user fatigue.
- Includes regulator, standard and automotive air connectors, cleaning kit, and adjustment tool.

2. SAFETY GUIDELINES

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

Always wear appropriate safety gear, including eye and respiratory protection, when using this sprayer. Never point

the sprayer at yourself or others. Keep the sprayer clean and well-maintained to prevent clogging and ensure safe operation. Always dispose of paint and cleaning materials according to local regulations. Never leave the sprayer unattended while in use. Always follow the manufacturer's instructions for safe operation and maintenance.

3. PRODUCT OVERVIEW

The NuMax SPSC15 spray gun is a pneumatic tool designed for efficient paint application. Understanding its components is essential for proper use.

Components



Figure 1: The NuMax SPSC15 Pneumatic Gravity Feed Spray Gun, shown with the attached air regulator and 400cc aluminum cup.

- **Gravity Feed Cup:** 400cc aluminum cup located on top, feeding paint by gravity.
- **Spray Gun Body:** Ergonomic aluminum construction housing the trigger and controls.
- **Trigger:** Two-step design for air flow and paint release.
- **Air Regulator:** Controls incoming air pressure to the spray gun.
- **Control Knobs:** Adjust pattern, fluid, and air flow.
- **Nozzle and Air Cap:** Directs the spray pattern and atomizes paint.

Detailed Component Views



Figure 2: Close-up view of the air regulator with its pressure gauge, used to precisely control air pressure.



Figure 3: Detail of the spray gun's trigger mechanism and the fluid control knob, which regulates paint volume.



Figure 4: The nozzle and air cap assembly, responsible for atomizing paint and shaping the spray pattern.

4. SETUP INSTRUCTIONS

Proper setup ensures optimal performance and safety.

Connecting to an Air Source

1. Ensure your air compressor is off and depressurized.
2. Attach the included air regulator to the air inlet of the spray gun.
3. Connect an appropriate air hose to the regulator using one of the provided 1/4" NPT air connector fittings (standard or automotive).
4. Connect the other end of the air hose to your air compressor.
5. Turn on the air compressor and adjust the regulator to the desired operating pressure (typically between 20-65 PSI, refer to paint manufacturer guidelines).



Figure 5: Diagram illustrating the typical setup for a pneumatic spray gun, including compressor, filter unit, lubricant unit, hose, and regulator.

Preparing the Spray Gun

1. Ensure the spray gun is clean and free of debris.
2. Prepare your paint according to the manufacturer's instructions, including thinning if necessary.
3. Pour the prepared paint into the 400cc aluminum cup. Secure the lid tightly.

5. OPERATING INSTRUCTIONS

Follow these steps for effective paint application.

Adjusting Controls

- **Pattern Control Knob:** Located at the rear of the gun, this knob adjusts the spray pattern from a full, wide fan to a round, concentrated spray.
- **Fluid Control Knob:** This knob regulates the amount of paint mixed with air. Turn clockwise to decrease fluid flow, counter-clockwise to increase.
- **Air Control Knob:** Adjusts the overall air flow. Turn clockwise to decrease air flow, counter-clockwise to increase.
- **Air Cap Ring:** Rotate the air cap ring at the end of the nozzle to adjust the direction of the spray fan (vertical for side-to-side spraying, horizontal for top-to-bottom spraying).

Spraying Technique

1. Hold the spray gun approximately 6-8 inches from the surface.
2. Press the trigger to the first step to initiate air flow.
3. Press the trigger further to engage paint flow.
4. Move the gun in smooth, even passes, overlapping each pass by about 50%.
5. Release the trigger at the end of each pass to avoid paint buildup.
6. Practice on scrap material to achieve the desired pattern and finish before applying to your project.

6. MAINTENANCE AND CLEANING

Regular cleaning and maintenance extend the life of your spray gun and ensure consistent performance.

After Each Use

1. Empty any remaining paint from the cup.
2. Pour a small amount of appropriate cleaning solvent (e.g., paint thinner for oil-based paints, water for water-based paints) into the cup.
3. Spray the solvent through the gun until it runs clear.
4. Disassemble the air cap, nozzle, and fluid needle. Clean these components thoroughly with the cleaning brush and solvent.
5. Clean the inside of the paint cup.
6. Wipe down the exterior of the gun.
7. Reassemble the gun, ensuring all parts are securely tightened.

Cleaning Kit and Accessories

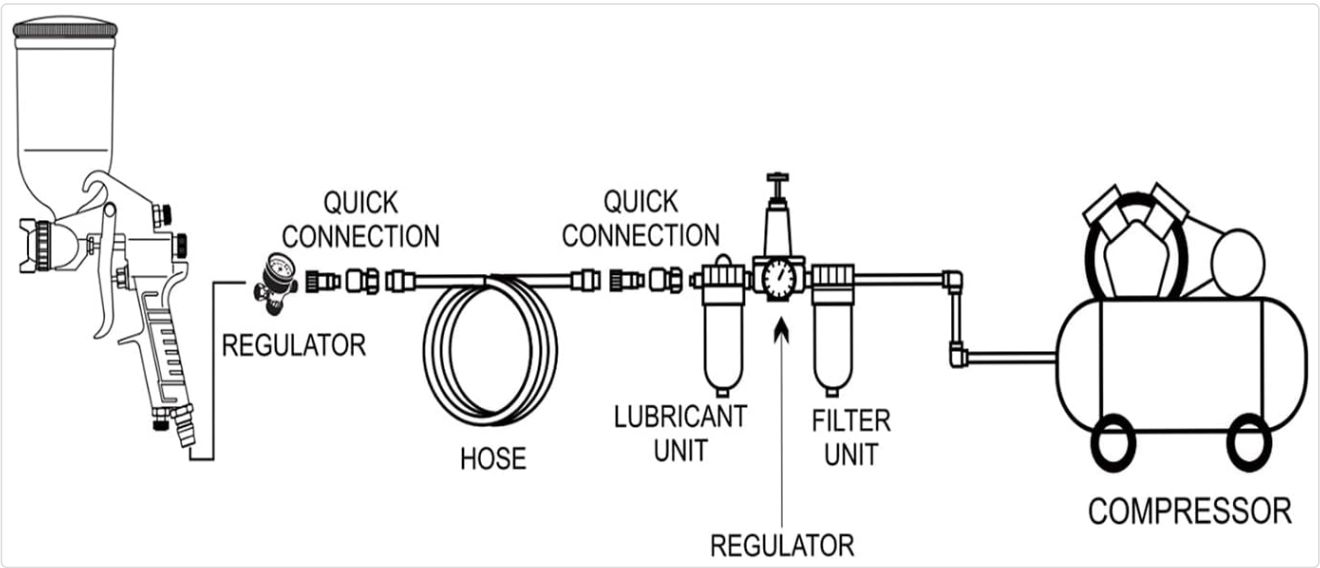


Figure 6: The included cleaning kit, featuring a brush, wrench, and various air fittings, essential for proper maintenance.

Long-Term Storage

For extended storage, ensure the gun is completely clean and dry. Apply a few drops of light machine oil to moving parts and store in a dry, protected area.

7. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
No paint flow	Clogged nozzle/air cap; Fluid needle stuck; Empty paint cup	Clean nozzle/air cap; Lubricate/free fluid needle; Refill paint cup
Inconsistent spray pattern	Incorrect air pressure; Paint too thick; Partially clogged nozzle	Adjust air pressure; Thin paint; Clean nozzle
Paint spitting	Low air pressure; Loose air cap; Insufficient fluid	Increase air pressure; Tighten air cap; Increase fluid flow

Problem	Possible Cause	Solution
Excessive overspray	Too much air pressure; Gun too far from surface	Reduce air pressure; Move gun closer to surface

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	NuMax
Model Name	SPSC15
Tip Size	1.5mm
Tank Volume	400 Milliliters (13.5 oz.)
Material	Aluminum body; Stainless steel nozzle
Item Weight	1.03 Pounds
Product Dimensions	4.25"W x 10.25"H
Power Source	Air-powered
Maximum Pressure	65 Pound per Square Inch
Included Components	Pneumatic 1.5mm Tip Gravity Feed Spray Gun; 400cc Aluminum Paint Cup; Regulator; 2 Different 1/4" NPT Fittings (Standard and Automotive); Cleaning Kit; Adjustment Tool
UPC	816376017753

9. WARRANTY INFORMATION

The NuMax SPSC15 Pneumatic 1.5mm Tip Gravity Feed Spray Gun is covered by NuMax's 1 Year Professional Tool Warranty. For specific details regarding warranty coverage and claims, please refer to the official NuMax warranty documentation or contact customer support.

10. CUSTOMER SUPPORT

For further assistance, technical questions, or to inquire about replacement parts, please contact NuMax customer

support. Refer to the product packaging or the official NuMax website for current contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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