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Master Airbrush PRO-44-ULT

Master Elite High Performance PRO-44 Series HVLP Spray Gun Ultimate Kit User Manual

Model: PRO-44-ULT



PRODUCT OVERVIEW

The Master Elite High Performance PRO-44 Series HVLP Spray Gun Ultimate Kit is designed for professional painting applications, offering exceptional atomization and precise spray control. This comprehensive kit includes the PRO-44 HVLP spray gun, a 1-liter aluminum cup, an air pressure regulator with gauge, and four fluid tip sets (1.3mm, 1.4mm, 1.5mm, and 1.8mm) to handle a wide range of coatings from light to heavy viscosity. Its high-grade stainless steel components ensure durability and compatibility with waterborne paints, making it a versatile tool for automotive, industrial, and woodworking finishes.



Image: The Master Elite PRO-44 Series HVLP Spray Gun Ultimate Kit, showing the spray gun, multiple fluid tips, air pressure regulator, and the product packaging.

Safety Information

Always prioritize safety when operating the Master Elite PRO-44 Series HVLP Spray Gun. Handle the spray gun with care due to potentially sharp edges. Be cautious of high-pressure air and paint, and always follow general safety guidelines for spray equipment. It is crucial to consult the manufacturer's instructions for specific safety warnings and recommendations before use. Wear appropriate personal protective equipment (PPE) including eye protection, respiratory protection, and gloves.

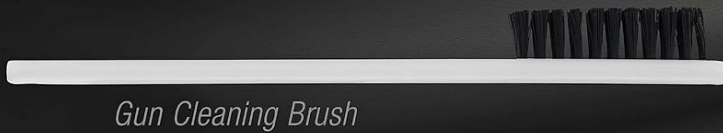
What's in the Box

The Master Elite High Performance PRO-44 Series HVLP Spray Gun Ultimate Kit includes the following components:

- Master Elite High Performance PRO-44 Series HVLP Spray Gun

- 4 fluid tip atomizing sets with matching needles, fluid nozzles, and air caps (1.3mm, 1.4mm, 1.5mm, and 1.8mm)
- High flow air pressure regulator with gauge
- MPS adapter (for disposable cups)
- Gun maintenance wrench
- Cleaning brush
- Gun coupler plug
- 1 Liter aluminum cup

ALSO INCLUDES:



Gun Cleaning Brush



Gun Maintenance Wrench



Gun Coupler Plug



Cup Filter



Spray Head Seals



Detailed Instruction Manual

INCLUDED ITEM

Includes an MPS Adapter for Disposable Cups



The MPS Cup Adapter allows the PRO-44 Spray Gun to be converted for use with the Master Paint System MPS Disposable Paint Spray Gun Cup Liners and Lid System

MPS Disposable Cups, Liners, and Lids are Not included, but are Available Separately



Image: All components included in the PRO-44-ULT kit, laid out for clear identification.

SETUP

Before first use, ensure all components are clean and free of debris. Assembly is quick and straightforward:

1. Attach the desired fluid tip set (needle, fluid nozzle, and air cap) to the spray gun. The 1.3mm tip is pre-installed.
2. Securely screw the 1-liter aluminum cup onto the top of the spray gun.

3. Connect the air pressure regulator to the air inlet at the bottom of the gun.
4. Attach your air hose to the regulator using the gun coupler plug.
5. If using disposable cups, attach the MPS adapter to the gun before attaching the disposable cup system (sold separately).

Your browser does not support the video tag.

Video: Demonstrates the quick and easy assembly of the Master Elite PRO-44-ULT spray gun, including attaching the fluid cup and air regulator. (Source: TCP Global Corp)



Image: Detailed view of the PRO-44 spray gun, highlighting key components like the airflow control knob, fluid control knob, air control cheater knob, and air inlet.

OPERATING INSTRUCTIONS

The PRO-44 spray gun is designed for optimal performance with various coatings. Proper adjustment is key to achieving desired results.

Fluid Tip Selection:

- **1.3 mm and 1.4 mm:** Ideal for base coats, clear coats, single stage paints, primer sealers, and other light to medium viscosity paint coating materials.
- **1.5 mm and 1.8 mm:** Better suited for single stage topcoats, primers, 2K primers surfacers, and other medium to high viscosity paint coating materials.

Adjusting Controls:

- **Airflow Control Knob:** Adjusts the amount of air passing through the gun, influencing atomization and fan pattern.
- **Fluid Control Knob:** Controls the amount of paint flowing through the fluid nozzle.
- **Air Control Cheater Knob:** Provides fine-tuning of air pressure at the gun.
- **Air Pressure Regulator:** Use the included regulator to set the incoming air pressure from your compressor to the recommended PSI for your specific coating.

Spraying Technique:

Maintain a consistent distance and angle from the surface. Overlap each pass by approximately 50% to ensure even coverage. Practice on scrap material to fine-tune settings before applying to your final project.

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Video: Demonstrates the Master Elite PRO-44 HVLP spray gun in action, showcasing its spray pattern and ease of use. (Source: TCP Global Corp)



Image: A user demonstrating the Master Elite PRO-44 spray gun in use, showing the proper grip and angle for spraying.

MAINTENANCE

Proper cleaning and maintenance are essential for extending the life and performance of your spray gun.

Cleaning:

1. Immediately after each use, empty any remaining paint from the cup.
2. Pour a small amount of appropriate cleaning solution (e.g., paint thinner for solvent-based paints, water for waterborne paints) into the cup.
3. Spray the cleaning solution through the gun until it runs clear.
4. Disassemble the air cap, fluid nozzle, and needle. Clean these components thoroughly with the provided cleaning brush and appropriate cleaning solution.
5. Wipe down the gun body. Ensure all paint residue is removed from internal and external surfaces.

Lubrication:

Apply a small amount of spray gun lubricant (sold separately) to the needle packing and air valve stem periodically to ensure smooth operation and prevent wear.



Image: The Master Elite PRO-44 spray gun alongside airbrush cleaner and lubricant, emphasizing the importance of proper maintenance.

TROUBLESHOOTING

This section addresses common issues you might encounter during operation.

Problem	Possible Cause	Solution
Poor Atomization / Uneven Spray Pattern	Incorrect air pressure, clogged air cap/nozzle, paint too thick, worn fluid tip.	Adjust air pressure, clean air cap/nozzle, thin paint as per manufacturer's instructions, replace worn parts.
Paint Leaking from Nozzle	Loose fluid nozzle, damaged needle packing, worn needle/nozzle.	Tighten fluid nozzle, replace needle packing, replace needle/nozzle set.
Pulsating Spray	Low fluid in cup, clogged fluid passage, air leak in cup/lid, insufficient air supply.	Refill cup, clean fluid passage, check cup/lid for secure fit, ensure adequate air compressor output.
Trigger Sticking	Lack of lubrication, paint buildup on needle/trigger mechanism.	Lubricate trigger pivot points and needle, thoroughly clean gun.

SPECIFICATIONS

Feature	Detail
Brand	Master Airbrush

Feature	Detail
Model Name	PRO-44-ULT
Fluid Tip Sets Included	1.3mm (installed), 1.4mm, 1.5mm, 1.8mm
Tank Volume	1 Liter (aluminum cup)
Material	Stainless Steel (components)
Item Weight	3.27 pounds (1.49 Kilograms)
Special Features	Low Pressure, Lightweight, Gravity Feed
Waterborne Compatible	Yes

WARRANTY AND SUPPORT

Master Airbrush is an industry leader committed to customer satisfaction. While specific warranty details are typically provided with your purchase documentation, the brand stands behind its products. For support, replacement parts, or to explore other Master Elite spray guns and supplies, please visit the official Master Airbrush store or contact their customer service.

You can find more information and products at the [Master Airbrush Store on Amazon](#).

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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

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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

