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› BEETRO HVLP Air Spray Gun User Manual

BEETRO TC0413

BEETRO HVLP Air Spray Gun Instruction Manual

Model: TC0413

INTRODUCTION

The BEETRO HVLP (High Volume Low Pressure) Air Spray Gun is designed for efficient and precise application of various coating materials. Its advanced technology ensures a higher transfer of materials, reducing overspray and material waste by up to 30-40%.

This spray gun is equipped with durable stainless steel nozzles and features an ergonomic design for comfortable use. It is suitable for a wide range of applications including automotive refinishing, industrial painting, woodworking, and household projects.



Figure 1: BEETRO HVLP Air Spray Gun and its components, including 1.4mm and 1.8mm nozzles, spanner, handle brush, 1/4" connector, Type 2 adapter, plastic filter, and air control valve.

SETUP

Before first use, ensure all components are clean and properly assembled.

1. **Nozzle Installation:** The 1.4mm stainless steel nozzle is pre-installed on the spray gun. For different applications, the included 1.8mm nozzle set can be installed.
2. **Connect Air Supply:** Attach the 1/4" connector to your air compressor hose. Ensure the air control valve is properly connected to the gun's air inlet.
3. **Attach Paint Cup:** Securely attach the 1000ml aluminum cup to the top of the spray gun. This gun also supports Type 2 Adapter (original series) for disposable cups (PPS Cup NOT included).
4. **Fill Paint Cup:** Fill the cup with your desired paint material, ensuring it is properly thinned according to the paint manufacturer's recommendations. The gun is compatible with water-based paints.

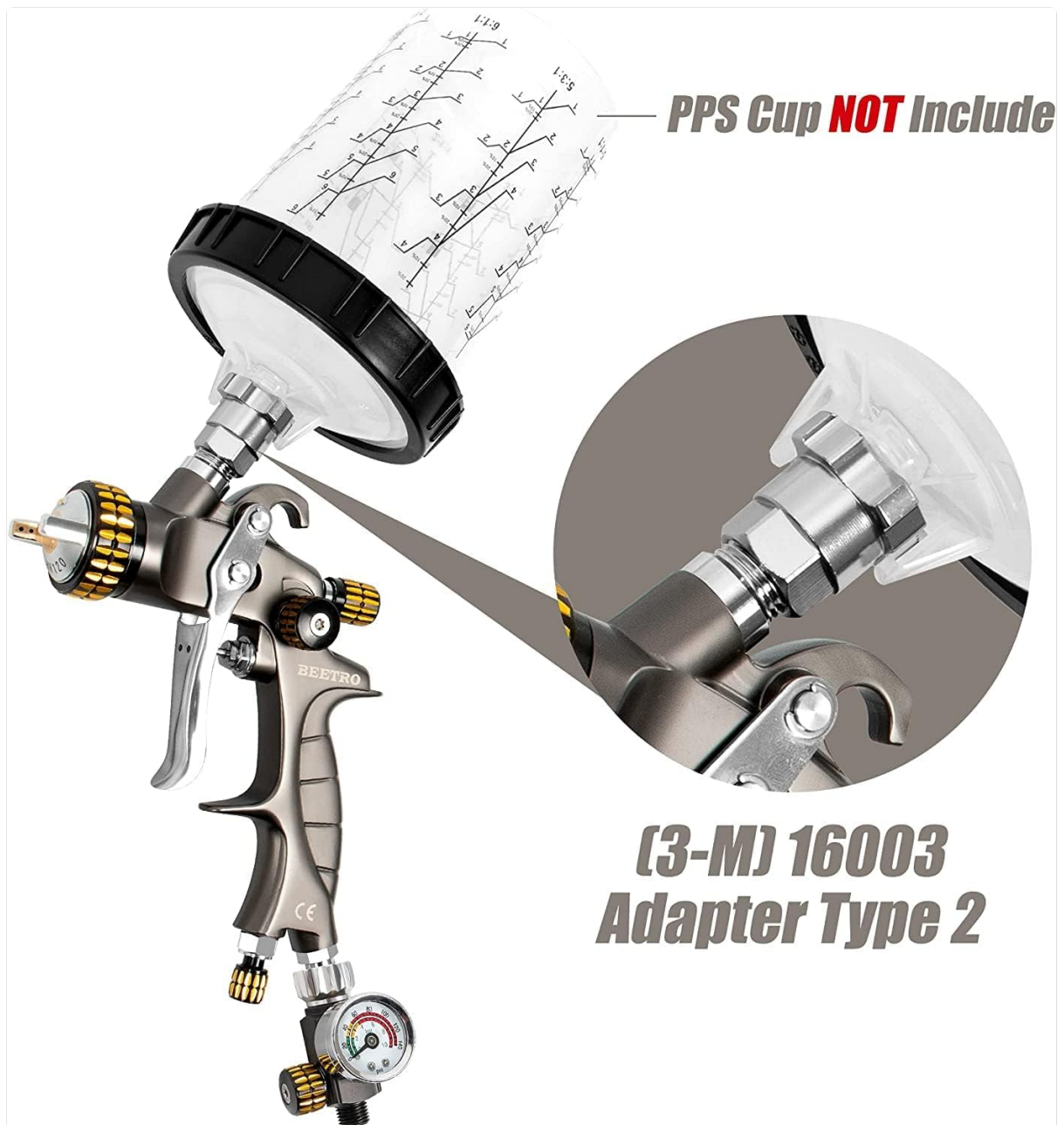


Figure 2: The spray gun is compatible with Type 2 adapters for disposable cup systems, though the PPS cup itself is not included.

ACCURATE AIR PRESSURE ADJUSTING KNOB



Tips:

- Recommended working pressure: **30-43 psi**
- **DO NOT** set the regulator over 43 PSI



1/4" CONNECTOR

Figure 3: The air pressure adjusting knob and 1/4" connector for precise air flow control. Recommended working pressure is 30-43 psi. Do not exceed 43 PSI.

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Video 1: An overview of the BEETRO HVLP Professional Gravity Feed Air Spray Gun, highlighting its features and design.

OPERATING INSTRUCTIONS

The BEETRO HVLP spray gun offers three adjustable knobs for precise painting control:

- **Fluid Control (Needle Adjust Knob):** Regulates the amount of paint sprayed. Turn clockwise to decrease fluid output, counter-clockwise to increase.
- **Pattern Control:** Adjusts the fan pattern size from a round spot to a wide fan. This knob allows for a 450° adjustment for more precise control.
- **Air Adjustment Valve:** Provides versatility to adjust air flow, allowing fine-tuning of atomization and

spray quality.

Important: The maximum working pressure is 3.0 bar (43 psi). Do not exceed this pressure.



Figure 4: The pattern adjustment knob allows for 450° rotation for fine-tuning the spray pattern.

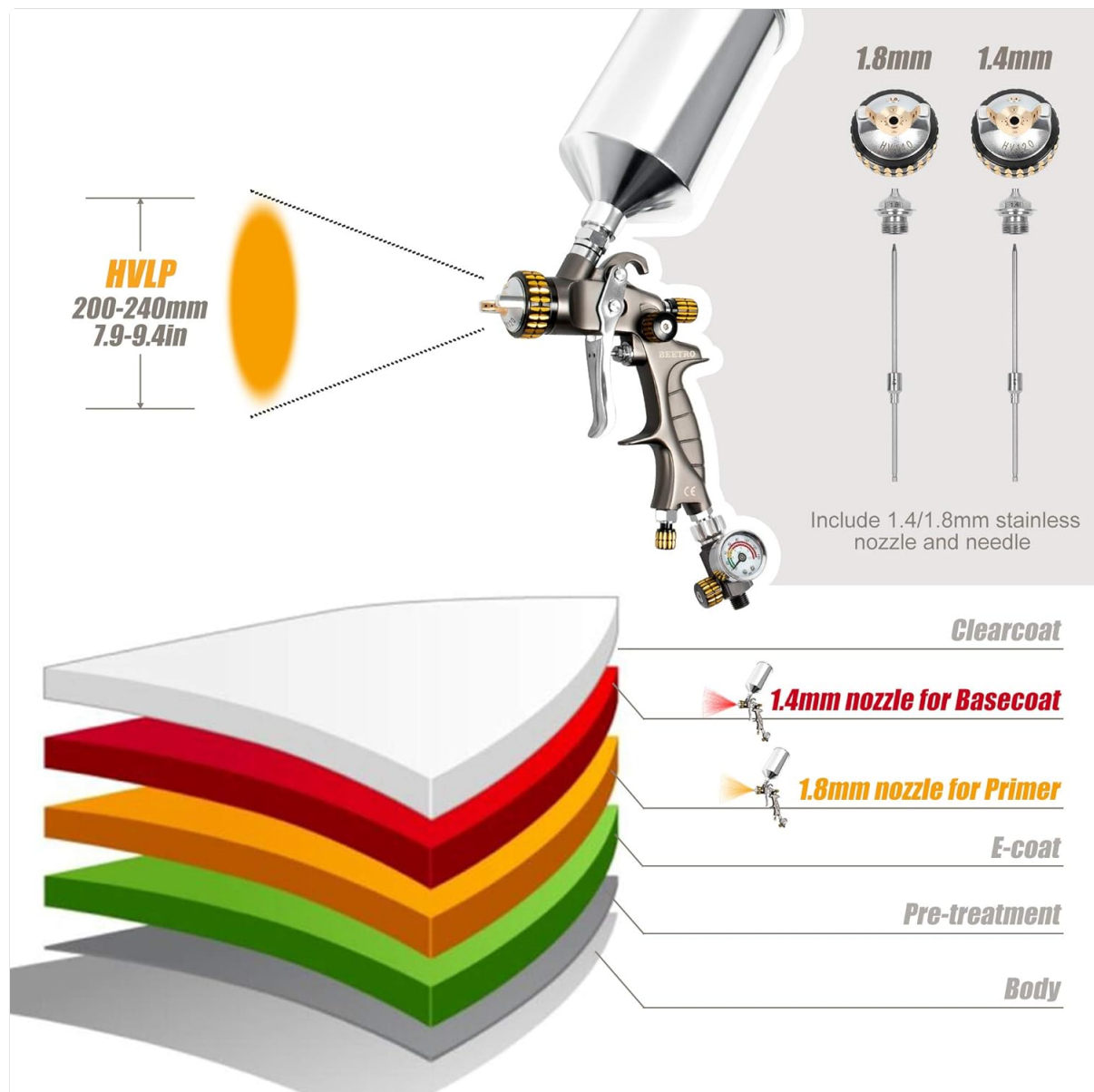


Figure 5: HVLP technology provides a spray pattern of 200-240mm (7.9-9.4 inches). Use the 1.4mm nozzle for basecoat and 1.8mm nozzle for primer.



Figure 6: The spray gun in action, demonstrating its use for applying coatings to a surface.

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Video 2: A short demonstration of the spray gun's performance and quality during operation.

MAINTENANCE

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

- **Cleaning:** The gun features a "No O-ring design" which makes it easy to clean with chemical agents and thinners. After each use, thoroughly clean the paint cup, nozzle, and fluid passages.
- **Filter:** The super-precision external mix cap includes a filter for optimal pattern. Ensure this filter is clean and free of debris.
- **Non-Drip Cup:** The non-drip cup design helps prevent paint wasting and reduces mess, simplifying cleanup.
- **Storage:** Store the spray gun in a clean, dry place away from extreme temperatures.



Figure 7: Internal view highlighting the "No O-ring design" for simplified cleaning and maintenance.

TRUBLESHOOTING

If you encounter issues with your spray gun, consider the following common solutions:

Problem	Possible Cause	Solution
Poor Spray Pattern / Inconsistent Spray	Incorrect air pressure, paint viscosity too high/low, clogged nozzle/air cap, damaged fluid needle.	Adjust air pressure (30-43 psi), thin paint appropriately, clean nozzle/air cap, inspect and replace fluid needle if damaged.

Problem	Possible Cause	Solution
Paint Leaking from Nozzle	Loose fluid needle packing nut, worn fluid needle, debris in nozzle.	Tighten packing nut, replace fluid needle, clean nozzle thoroughly.
No Paint Flow	Clogged fluid passage, empty paint cup, air cap not properly seated.	Clean fluid passage, refill paint cup, ensure air cap is securely attached.

SPECIFICATIONS

Brand: BEETRO

Model Name: TC0413555 (Item model number: TC0413)

Tank Volume: 1000 Milliliters

Color: Silver

Recommended Uses: Painting

Material: Die-cast Aluminum

Item Weight: 1 Kilograms (2.2 pounds)

Product Dimensions: 5.12"W x 8.66"H

Style: HVLP

Power Source: Air-powered

Included Components: Air spray gun, 1.4mm nozzle, 1 set of 1.8mm nozzle, 1000ml aluminum cup, Spanner, Handle brush, 1/4" connector, Type 2 adapter, Plastic filter, Air control valve, 1.4mm nozzle (already installed)

Maximum Pressure: 43 Pound per Square Inch (3.0 bar)

Hose Length: 1.5 Meters

UPC: 603813099706

WARRANTY AND SUPPORT

BEETRO products are manufactured to high-quality standards. For warranty information, technical support, or replacement parts, please contact BEETRO customer service through the retailer where the product was purchased or visit the official BEETRO website.

Always refer to the original packaging or product documentation for the most current warranty details and contact information.

