

FORNAX 1.8mm

FORNAX HVLP Spray Gun 1.8mm Nozzle Instruction Manual

Model: 1.8mm (FNS18)

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use, setup, operation, and maintenance of your FORNAX HVLP Gravity Feed Spray Gun with a 1.8mm nozzle. Please read this manual thoroughly before operating the device and retain it for future reference.

2. PRODUCT COMPONENTS

The FORNAX HVLP Spray Gun is designed for efficient paint application. Familiarize yourself with its main components:

- **Paint Container (600cc Capacity):** Holds the paint material.
- **Spraying Cap Nozzle (1.8mm):** Directs the paint spray.
- **Hook:** For convenient storage.
- **Flow Control Valve:** Adjusts the volume of paint.
- **Spray Width Adjustment Valve:** Controls the width of the spray pattern.
- **Trigger:** Activates the spray function.
- **Air Pressure Valve:** Regulates air pressure.
- **Air Inlet:** Connection point for the air hose.
- **Wrench:** Tool for assembly and disassembly.
- **Brush:** For cleaning the gun components.
- **Filter:** Ensures clean paint flow.



Figure 1: Labeled diagram of the FORNAX HVLP Spray Gun, showing the paint container, spraying cap nozzle, hook, flow control valve, spray width adjustment valve, trigger, air pressure valve, air inlet, wrench, brush, and filter.

3. SPECIFICATIONS

Key technical specifications for the FORNAX HVLP Spray Gun:

Specification	Value
Brand	FORNAX
Model Name	FNS18
Type of Feed	Gravity
Fluid Nozzle	1.8 mm
Working Pressure	30 PSI

Specification	Value
Air Consumption	4.59 CFM
Cup Capacity	600 cc
Spray Width	6.30 - 7.88 inch
Color	Black
Material	Metal, Plastic
Item Weight	0.66 Kilograms (1.45 pounds)
Product Dimensions	5.28"W x 8.35"H
Power Source	Air Powered
UPC	850038383459

More Details



Specifition

Color:Black	Nozzle Size:0.8mm
Color Cup:250ML	Air Inlet:1/4 bsp
Maximum Operating Pressure:7.0Bar	Color Cup Materil:Plastic
Recommended Working Pressure:2-6Bar	Air Consumption:3.2-5.6CFM

Figure 2: The FORNAX HVLP Spray Gun alongside a table detailing its specifications, including nozzle size, operating

4. FEATURES AND ADJUSTMENTS

The spray gun offers several features for precise control:

- **High Quality Atomization:** The high-grade air cap ensures fine atomization for uniform and smooth finishes, suitable for most spraying applications.
- **Deep Groove Air Cap Ring:** Designed for easy locking and disassembly, simplifying cleaning and maintenance.
- **Ergonomic Designed Handle:** Provides a comfortable grip, easy trigger action, and reduces operating fatigue.
- **Adjustable Spray Scope Valve:** Allows adjustment of the spray range. Loosening the knob increases the spray range, while tightening it reduces the spray width.
- **Applicable Paints:** Suitable for various paint types including Primer, Topcoat, Acrylic paint, Water-based paint, and Anti-corrosion primer.

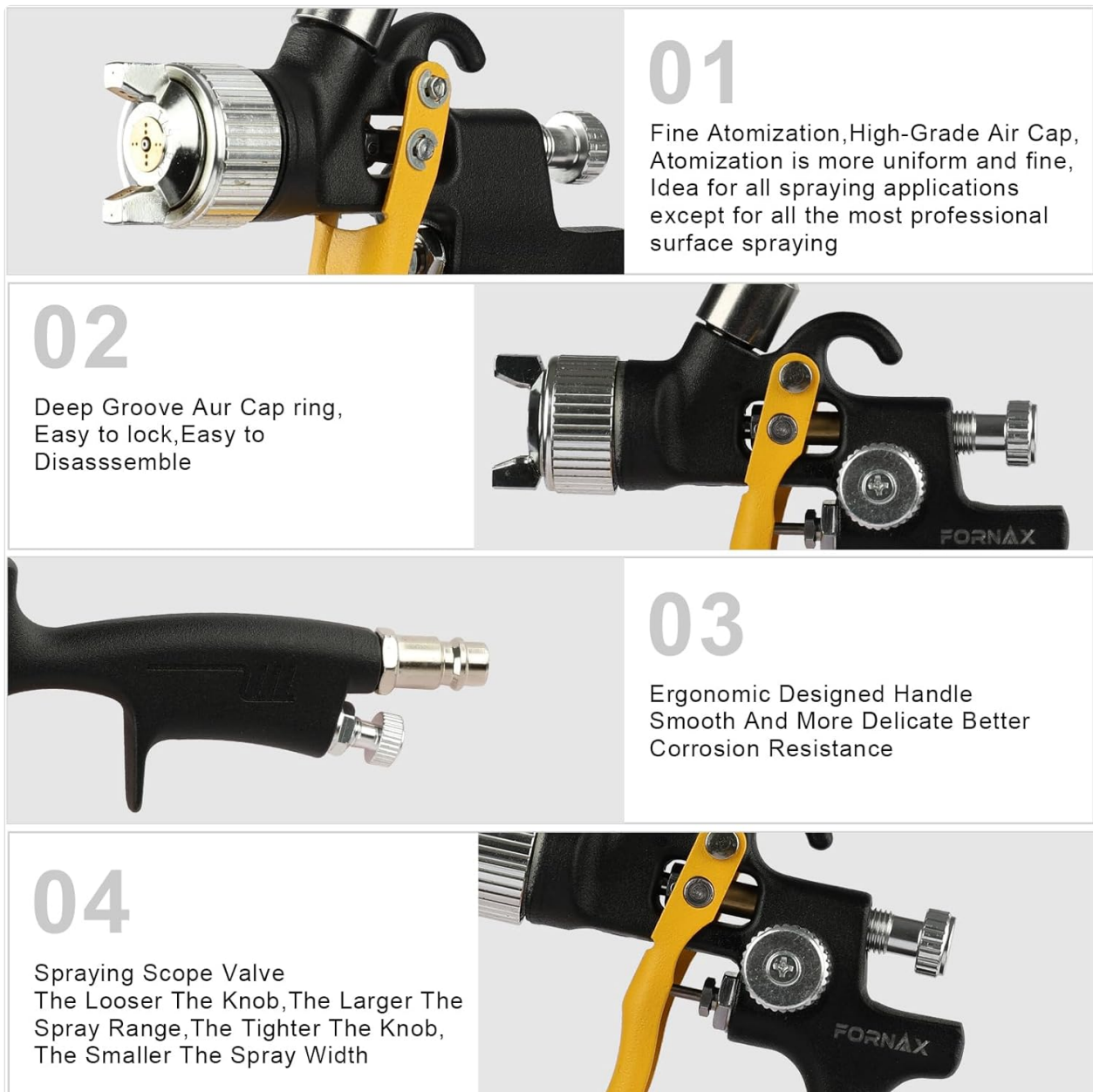


Figure 3: Detailed views highlighting the fine atomization, easy-to-disassemble cap ring, ergonomic handle, and the adjustable

0.8mm stainless steel nozzle Brass airflow cap



Applicable paints:

1. Primer
2. Topcoat
3. Acrylic paint
4. Water-based paint
5. Anti-corrosion primer
6. Etc

Ergonomic designed handle



Advantages:

1. Comfortable grip
2. Easy trigger
3. Easy to use
4. Reduce operating fatigue

Figure 4: A visual breakdown of the 0.8mm stainless steel nozzle with brass airflow cap and the ergonomic handle, along with a list of compatible paint types and user advantages.

5. APPLICATIONS

The FORNAX HVLP Spray Gun is versatile and suitable for a wide range of painting tasks:

- **Automotive Painting:** Ideal for painting cars and other vehicles.
- **Home Improvement:** Excellent for painting furniture, doors, walls, and fences.
- **Industrial Applications:** Can be used for various industrial painting needs.

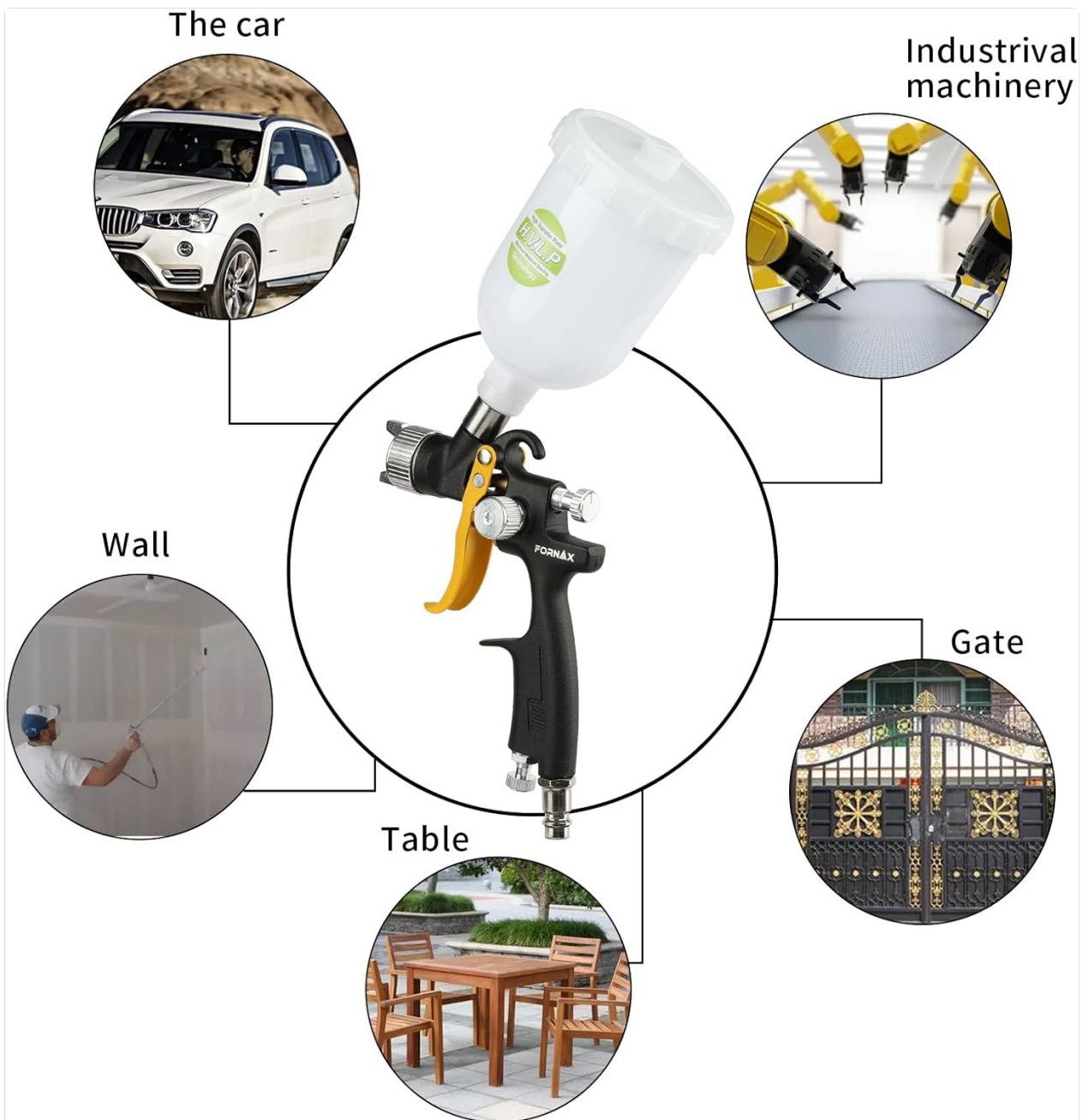


Figure 5: Visual representation of the multi-purpose applications of the FORNAX HVLP Spray Gun, demonstrating its use for automotive, industrial, and household painting projects.

6. SAFETY INFORMATION

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

- **Eye Protection:** Always wear appropriate eye protection (e.g., safety goggles) when operating the spray gun.
- **Ventilation:** Use the spray gun in a well-ventilated area to prevent inhalation of paint fumes. If necessary, wear a respirator.
- **Skin and Clothing Protection:** Avoid direct contact with skin or clothing. Wear protective gloves and clothing.
- **Read All Instructions:** Before initial use, carefully read and understand all safety instructions provided with the product and any paint materials being used.
- **Flammable Materials:** When spraying flammable materials, ensure there are no ignition sources nearby.

- **Pressure Safety:** Never point the spray gun at yourself or others. Always release air pressure before cleaning or disassembling the gun.
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7. SETUP

1. **Prepare the Work Area:** Ensure the area is clean, well-ventilated, and free from dust and debris. Cover any surfaces not intended for painting.
 2. **Connect Air Supply:** Attach your air compressor hose to the air inlet of the spray gun. Ensure a secure connection. An air pressure regulator (not included) is recommended for precise pressure control.
 3. **Install Nozzle:** Ensure the correct 1.8mm fluid nozzle is securely installed. Use the provided wrench if necessary to tighten the fluid nozzle to prevent leaks.
 4. **Prepare Paint:** Mix your paint material according to the manufacturer's instructions. Strain the paint through a filter to remove any impurities that could clog the nozzle.
 5. **Fill Paint Container:** Pour the prepared paint into the 600cc gravity feed container and securely attach it to the spray gun.
 6. **Adjust Air Pressure:** Set your air compressor to the recommended working pressure of 30 PSI. Fine-tune using the air pressure valve on the gun if available.
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8. OPERATING INSTRUCTIONS

1. **Test Spray:** Before painting your actual workpiece, perform a test spray on a scrap piece of material to check the spray pattern and paint consistency.
 2. **Adjust Spray Pattern:** Use the spray width adjustment valve to achieve the desired pattern (from a narrow stream to a wide fan).
 3. **Adjust Fluid Flow:** Use the flow control valve to regulate the amount of paint being sprayed.
 4. **Maintain Distance:** Hold the spray gun perpendicular to the surface, typically 6-8 inches away, and maintain a consistent distance throughout the application.
 5. **Even Strokes:** Apply paint using smooth, even strokes, overlapping each pass by about 50% to ensure uniform coverage. Release the trigger at the end of each stroke.
 6. **Multiple Coats:** Apply multiple thin coats rather than one thick coat to prevent runs and drips. Allow adequate drying time between coats as per paint manufacturer's instructions.
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9. MAINTENANCE

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

1. **Immediate Cleaning:** Clean the spray gun immediately after each use. Do not allow paint to dry inside the gun.
2. **Empty Paint Container:** Empty any remaining paint from the container. Clean the container with an appropriate cleaning solution (paint thinner for oil-based paints, water for water-based paints).
3. **Flush the Gun:** Fill the paint container with cleaning solution and spray it through the gun until the solution sprays clear.

4. Disassemble and Clean:

- Remove the air cap, fluid nozzle, and needle.
- Clean all components thoroughly with the provided brush and cleaning solution. Pay special attention to the air cap holes and fluid nozzle opening.
- Ensure the needle is free of dried paint.

5. **Reassemble:** Once all parts are clean and dry, reassemble the spray gun. Lubricate moving parts (like the needle packing) with a small amount of spray gun lubricant if recommended by the manufacturer.

6. **Storage:** Store the clean and dry spray gun in a safe, dry place.

10. TROUBLESHOOTING

If you encounter issues with your spray gun, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pulsating Spray	Low paint level, clogged air vent, loose fluid nozzle.	Refill paint, clean air vent, tighten fluid nozzle.
Uneven Spray Pattern	Dirty air cap, damaged fluid nozzle, incorrect air pressure.	Clean air cap, replace nozzle, adjust air pressure.
No Paint Flow	Clogged fluid nozzle, no paint in cup, air hose disconnected.	Clean nozzle, fill paint cup, check air hose connection.
Excessive Overspray	Too high air pressure, too thin paint, gun too far from surface.	Reduce air pressure, thicken paint, move gun closer.
Paint Leaking	Loose fluid nozzle, worn packing, damaged seals.	Tighten nozzle, replace packing/seals.

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact FORNAX customer service directly. Keep your purchase receipt as proof of purchase.