

AEROPRO 820-BLACK

AEROPRO Airless Paint Sprayer Gun (Model 820-BLACK) Instruction Manual

Your guide to safe and efficient operation

1. INTRODUCTION

The AEROPRO Airless Paint Sprayer Gun, Model 820-BLACK, is designed for efficient application of paint on various surfaces. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your sprayer gun. Please read this manual thoroughly before initial use to ensure proper handling and to prevent injury or damage.



Image Description: A banner image showcasing the AEROPRO Airless Paint Sprayer Gun in action, with icons highlighting its leak-proof body, quick unclogging, safety lock, high pressure capability, and comprehensive kit contents.

2. SAFETY INFORMATION

Operating an airless paint sprayer involves high pressure and potentially hazardous materials. Adhere to all safety precautions to prevent injury or property damage.

- **Always wear appropriate personal protective equipment (PPE)**, including eye protection, gloves, and a respirator, to protect against paint fumes and overspray.

- **Ensure adequate ventilation** in your work area to disperse paint fumes.
- **Never point the spray gun at yourself or others.** The high-pressure spray can cause serious injury.
- **Engage the safety lock** (red button) when the sprayer is not in use or during breaks to prevent accidental triggering. Always verify the safety lock is functioning correctly before and after use.
- **Disconnect the power source** from the airless paint sprayer unit before cleaning, maintenance, or changing tips.
- **Do not exceed the maximum operating pressure** of 3600 PSI.
- **Keep children and pets away** from the work area.

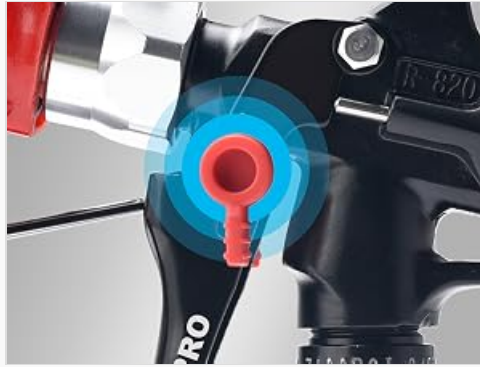


Image Description: A detailed view of the red safety lock button on the sprayer gun, which prevents accidental trigger activation.

3. WHAT'S IN THE BOX

Verify that all components are present upon unpacking:

- 1 x AEROPRO Airless Spray Gun
- 5 x Spray Tips (sizes: 311, 313, 415, 517, 619)
- 5 x 60-Mesh Filters
- 5 x 100-Mesh Filters
- 1 x Cleaning Brush



Image Description: A visual representation of all items included in the kit: the airless spray gun, five spray tips, five 60-mesh filters, five 100-mesh filters, and a cleaning brush.

4. SPECIFICATIONS

Feature	Specification
Brand	AEROPRO
Model Name	820-BLACK
Type of Feed	Pressure
Operating Pressure (Max)	3600 PSI
Paint Connection	1/4-18NPSM
Material	Aluminum
Item Weight	1.79 pounds (0.81 Kilograms)
Product Dimensions	5.5"W x 7.9"H
Power Source	Air-powered (requires an airless paint sprayer unit)



Image Description: A detailed diagram of the sprayer gun with labels pointing to its components: nozzle guard, trigger, safety lock, non-slip handle, and 360-degree rotary joint. Product dimensions (5.51 inches width x 8.07 inches height) are also indicated.

5. SETUP

Proper setup is crucial for safe and effective operation. This airless spray gun requires an external airless paint sprayer unit for use.

5.1. Assembling the Spray Tip

1. Identify the Tip (A), Tip Seal (B), and Tip Guard (C).
2. Insert the Tip Seal (B) into the Tip Guard (C).
3. Insert the Tip (A) into the Tip Guard (C).
4. Assemble the Tip Guard with the airless spray gun by screwing it onto the gun's nozzle. Ensure it is securely tightened.

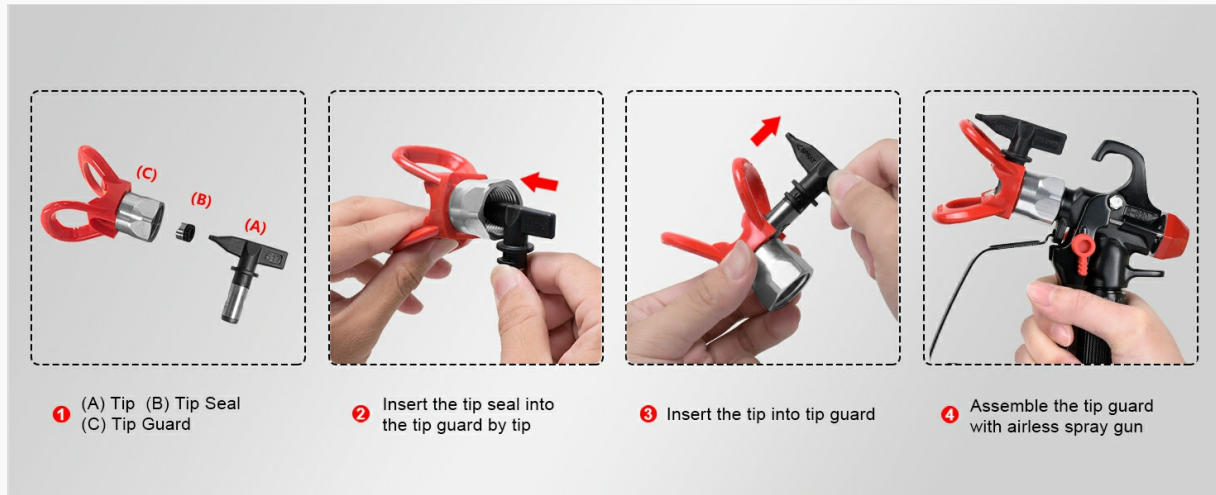


Image Description: A four-step visual guide demonstrating the assembly of the spray tip, including inserting the tip seal, then the tip into the tip guard, and finally attaching the assembled tip guard to the sprayer gun.

5.2. Connecting to an Airless Paint Sprayer Unit

- Ensure your airless paint sprayer unit is turned off and depressurized.
- Connect the paint hose from your airless sprayer unit to the 1/4-18NPSM paint connection at the base of the AEROPRO spray gun handle. Tighten securely.
- The 360-degree swivel joint at the connection point allows for flexible movement and helps prevent hose kinking during operation.



Image Description: This image focuses on the 360-degree swivel joint located at the bottom of the sprayer gun handle, designed to prevent hose kinking and improve maneuverability.

6. OPERATING INSTRUCTIONS

Once the sprayer gun is properly assembled and connected to an airless paint sprayer unit, you can begin operation.

6.1. Preparing for Spraying

- Ensure the paint material is properly mixed and filtered according to the paint manufacturer's instructions.
- Select the appropriate spray tip for your application. The kit includes 5 tips (311, 313, 415, 517, 619) suitable for various spray patterns and material viscosities.
- Insert the correct mesh filter (50-mesh or 100-mesh) into the gun handle, matching it to your paint material.



Image Description: A clear image displaying the five different spray tips provided with the kit, each labeled with its size (311, 313, 415, 517, 619) for various spray patterns and applications.

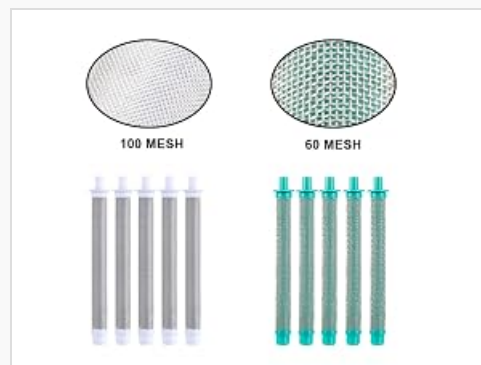


Image Description: This image shows both the 100-mesh and 60-mesh filters, highlighting the different mesh sizes for varying paint materials and filtration needs.

6.2. Spraying Technique

- Hold the gun perpendicular to the surface, maintaining a consistent distance (typically 10-12 inches).
- Move your entire arm, not just your wrist, to ensure an even coat. Overlap each pass by about 50%.
- Release the trigger at the end of each pass to avoid paint buildup.
- Always engage the safety lock when pausing or moving the gun to a different area.

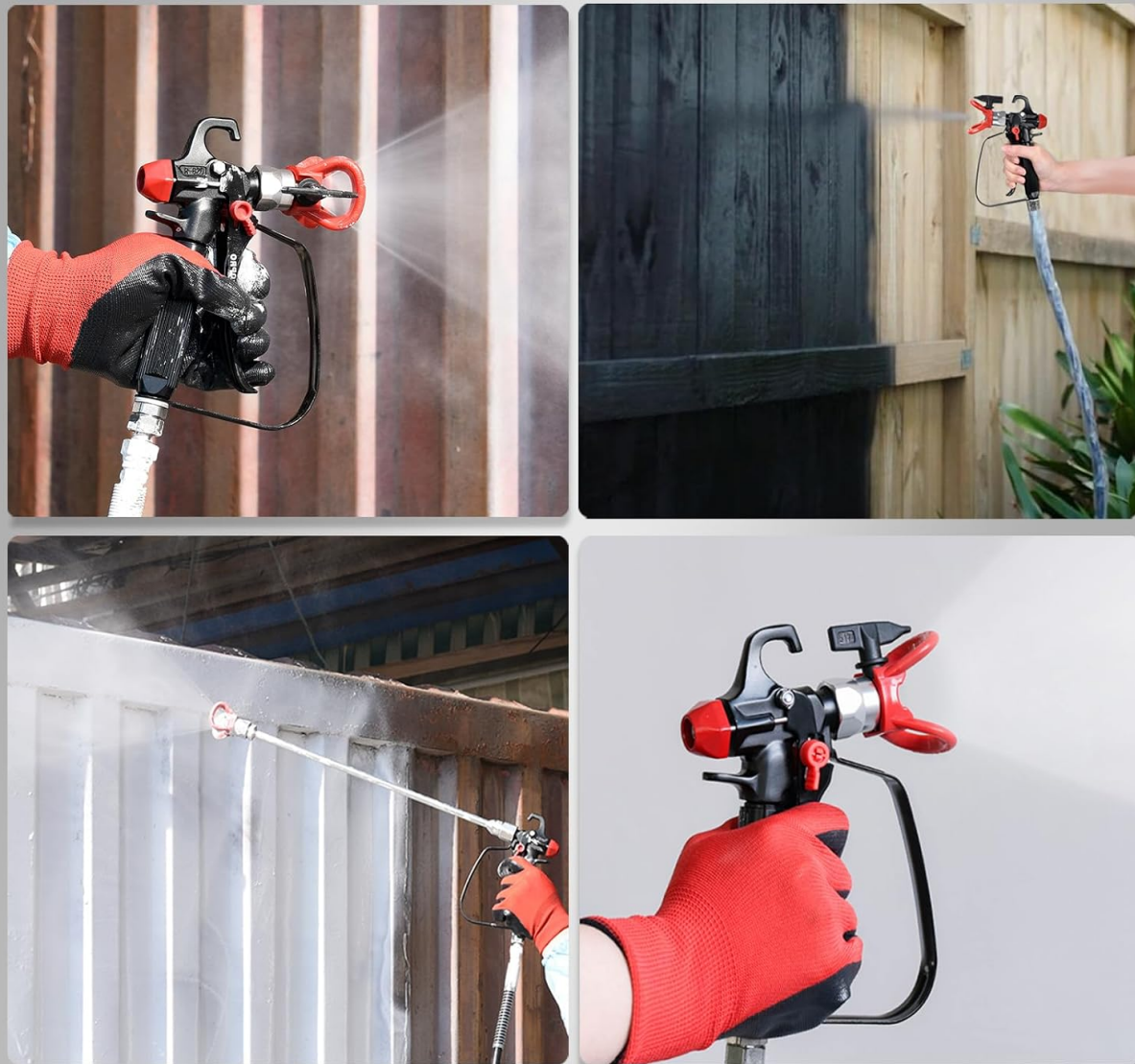


Image Description: A collage of four images showing the paint sprayer in action, applying paint to different surfaces like walls and fences, demonstrating its versatility for home painting projects.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your sprayer gun.

7.1. Quick Unclogging

If the spray tip becomes clogged during operation:

1. Engage the safety lock on the gun.
2. Rotate the reversible spray tip 180 degrees to the opposite spray direction.
3. Disengage the safety lock and trigger the gun briefly to blow out the clog.
4. Engage the safety lock, rotate the tip back to the spray position, disengage the safety lock, and resume spraying.



① Rotate the tip 180° to the opposite spray direction



② Trigger the gun once to blow the clog out

Image Description: A two-step visual guide showing how to clear a clogged spray tip by rotating it 180 degrees and then triggering the gun to blow out the obstruction.

7.2. Cleaning After Use

- Always clean the sprayer gun immediately after each use.
- Follow the cleaning procedures outlined in your airless paint sprayer unit's manual.
- Remove the spray tip and tip guard. Clean them thoroughly with appropriate solvent or water, depending on the paint type. Use the provided cleaning brush for small openings.
- Remove and clean the filter located in the gun handle. Replace if damaged.
- Flush the gun body with cleaning solution until all paint residue is removed.
- Lubricate moving parts as recommended by the airless sprayer unit manufacturer.

8. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
No spray or weak spray	Clogged spray tip or filter; insufficient pressure from sprayer unit; paint too thick.	Perform quick unclogging procedure; clean or replace filter; check pressure settings on sprayer unit; thin paint according to manufacturer's recommendations.
Uneven spray pattern	Worn or damaged spray tip; inconsistent gun movement; incorrect pressure setting.	Replace spray tip; maintain consistent gun distance and speed; adjust pressure on sprayer unit.
Paint leaks from gun	Loose connections; damaged seals or O-rings; damaged gun body.	Tighten all connections; inspect and replace seals/O-rings; if gun body is damaged, discontinue use and replace.
Safety lock stuck or not engaging	Debris in mechanism; internal component issue.	Ensure mechanism is clean; if issue persists, discontinue use and contact support. Do not force the lock.

9. WARRANTY AND SUPPORT

Warranty information for the AEROPRO Airless Paint Sprayer Gun is not explicitly detailed in this manual. For specific warranty terms and conditions, please refer to the product packaging or contact AEROPRO customer support directly.

For technical assistance, replacement parts, or any other inquiries, please contact AEROPRO customer support through their official website or the retailer where the product was purchased.