

Wagner Control Pro 190

Wagner Control Pro 190 Cart Paint Sprayer Instruction Manual

Model: CONTROL PRO 190 Cart

1. INTRODUCTION AND OVERVIEW

The Wagner Control Pro 190 Cart High Efficiency Airless (HEA) sprayer is designed to provide professional-quality results for various painting and staining projects. Its HEA system significantly reduces overspray compared to traditional airless sprayers, leading to less material waste and easier cleanup. This unit is suitable for large projects such as home exteriors, storage buildings, fences, and multiple interior rooms.

The Control Pro 190 sprays up to 0.40 gallons per minute and features adjustable pressure from its 0.70 horsepower motor. It can draw paint directly from 1 or 5-gallon containers, offering convenience for larger tasks. The portable cart design with wheels and a 50 ft. hose allows for easy movement around job sites and access to elevated areas.



Image 1.1: The Wagner Control Pro 190 Cart Paint Sprayer, showcasing its main components including the sprayer unit, hose, and spray gun.

2. SAFETY INFORMATION

WARNING: Pressurized liquids, chemical exposure, and mechanical risks are present when operating this equipment. Failure to follow safety instructions can result in serious injury or property damage.

- Always wear appropriate protective clothing, including eye protection (safety glasses or goggles), gloves, and a respirator or mask to prevent inhalation of paint fumes.
- Never point the spray gun at yourself, other people, or animals. Accidental discharge can cause severe injury.
- Always release pressure from the system before performing any maintenance, cleaning, or storage procedures. Refer to the 'Pressure Release Procedure' in the operating section.
- Ensure the work area is well-ventilated to prevent the buildup of flammable vapors. Keep ignition sources away from the spraying area.
- Read and understand all instructions and warnings in this manual before operating the sprayer.

3. PRODUCT FEATURES

- **High Efficiency Airless (HEA) Technology:** Reduces overspray by up to 55% compared to traditional airless sprayers, resulting in less cleanup and paint waste. Provides a softer spray pattern for improved control and a smoother finish.
- **Variable Speed Pump:** Equipped with a 0.70 horsepower pump, capable of spraying unthinned paints and stains at up to 0.40 gallons per minute.
- **Direct Siphon System:** Draws paint directly from 1 or 5-gallon containers, eliminating the need for frequent refills.
- **Portable Cart Design:** Features wheels and a sturdy frame for easy transport across job sites. Includes integrated storage for tips and tools.
- **Long Hose:** Comes with a 50 ft. hose, extendable up to 100 ft., for extended reach on large projects and multi-story areas.
- **All-Metal Spray Gun:** Durable construction for reliable performance.

HEA | HIGH EFFICIENCY AIRLESS™

OVERSPRAY IN AIR¹



SAME FINISH, IMPROVED CONTROL, LESS OVERSPRAY

¹ Testing performed vs. competitive high pressure airless system using a popular interior latex paint.

Image 3.1: Visual comparison illustrating the reduced overspray achieved with High Efficiency Airless (HEA) technology versus standard airless spraying.

SPRAYS UNTHINNED PAINT DIRECTLY FROM 1 OR 5 GALLON CONTAINERS



Image 3.2: The sprayer's direct siphon system, shown drawing paint from a 5-gallon container, highlighting its convenience.

EASILY CONTROL YOUR PAINT FLOW



Image 3.3: Close-up of the adjustable paint flow control, allowing users to fine-tune the spray output.

4. SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the product manual are present.
2. **Assemble Cart:** Attach the wheels and handle to the main unit as per the assembly instructions provided in the separate quick start guide.
3. **Connect Hose:** Securely attach the 50 ft. high-pressure hose to the sprayer unit and the spray gun. Ensure all connections are tight to prevent leaks.
4. **Install Spray Tip:** Select the appropriate spray tip for your material and project. The 515 spray tip is ideal for latex paint. Insert the tip into the spray gun and secure it with the guard.
5. **Prepare Material:** Stir your paint or stain thoroughly. The Control Pro 190 is designed to spray unthinned materials, but always check the paint manufacturer's recommendations.
6. **Position Siphon Tube:** Place the siphon tube directly into the paint container (1 or 5-gallon bucket). Ensure the tube is fully submerged and the return tube is positioned to catch any overflow.

7. **Power Connection:** Connect the sprayer to a grounded electrical outlet.

5. OPERATION

1. Priming the Sprayer:

- Turn the pressure control knob to the lowest setting.
- Turn the prime/spray valve to the 'Prime' position.
- Turn on the sprayer. Allow paint to circulate through the system until a steady stream flows from the return tube into the paint container. This removes air from the system.
- Once primed, turn off the sprayer.

2. Spraying:

- Turn the prime/spray valve to the 'Spray' position.
- Adjust the pressure control knob to the desired setting. Start with a lower pressure and gradually increase until you achieve a consistent spray pattern without tails.
- Hold the spray gun approximately 10-12 inches from the surface, moving it in smooth, even strokes. Overlap each pass by about 50% for uniform coverage.
- Always keep the gun moving while spraying to avoid paint buildup and runs.

3. Pressure Release Procedure (Crucial for Safety):

- Turn off the sprayer.
- Engage the trigger lock on the spray gun.
- Turn the prime/spray valve to the 'Prime' position.
- Disengage the trigger lock and point the gun into a waste bucket. Squeeze the trigger to release any remaining pressure.
- Engage the trigger lock again. The system is now depressurized.



Image 5.1: An operator using the Control Pro 190 to paint exterior siding, demonstrating typical usage for large projects.



Image 5.2: Painting a garage door, illustrating the sprayer's effectiveness on textured surfaces.



Image 5.3: Applying stain to a wooden deck railing, showing versatility for different materials and applications.



Image 5.4: Painting a wooden fence, demonstrating efficient coverage for slatted surfaces.



Image 5.5: An operator painting the exterior of a house, highlighting the sprayer's capability for large-scale projects.

6. MAINTENANCE

Proper cleaning and maintenance are essential for the longevity and optimal performance of your Wagner Control Pro 190 sprayer.

1. Immediate Cleaning After Use:

- Always perform the 'Pressure Release Procedure' first.
- Remove the siphon tube from the paint container and place it into a bucket of appropriate cleaning solution (water for latex, mineral spirits for oil-based paints).
- Turn the sprayer on and set the prime/spray valve to 'Spray'. Spray the cleaning solution into a waste bucket until the liquid runs clear.
- Turn off the sprayer and perform the 'Pressure Release Procedure' again.
- Disassemble the spray gun, clean the tip, guard, and filter thoroughly with a brush and cleaning solution.
- Wipe down the exterior of the sprayer and hose.

2. **Long-Term Storage:**

- After thorough cleaning, run a pump protector or storage fluid through the system to prevent corrosion and freezing.
- Store the sprayer in a dry, temperature-controlled environment.

7. **TROUBLESHOOTING**

Problem	Possible Cause	Solution
No spray or weak spray	Clogged tip, filter, or siphon tube; air in system; insufficient material.	Clean tip and filters. Prime the sprayer to remove air. Ensure siphon tube is fully submerged in material.
Pulsating spray	Air in system; worn tip; clogged filter.	Re-prime the sprayer. Replace worn tip. Clean filters.
Excessive overspray	Pressure too high; incorrect tip size.	Reduce pressure. Use a tip with a smaller orifice or narrower fan pattern.
Paint runs or sags	Too much paint applied; gun too close to surface; material too thin.	Move gun faster. Increase distance from surface. Check material viscosity (if thinning).

8. **SPECIFICATIONS**

- **Brand:** Wagner
- **Model Name:** CONTROL PRO 190 Cart
- **Item Model Number:** 0580559
- **Power Source:** Corded Electric
- **Maximum Pressure:** 1600 PSI
- **Flow Rate:** Up to 0.40 gallons per minute
- **Horsepower:** 0.70 HP
- **Hose Length:** 50 ft. (600 inches)
- **Tank Volume:** Designed for 1 or 5 Gallon containers
- **Material:** Metal (gun), High-Strength Polymer (casing)
- **Item Weight:** 9.5 Pounds
- **Product Dimensions:** 31.75"W x 20"H
- **Recommended Uses:** Painting (home exteriors, storage buildings, field fences, multi-interior rooms)



Control Pro™ Tip Recommendation Chart

HEA | HIGH EFFICIENCY
AIRLESS



Tip #	Coatings	Pattern Width	Control Pro 130	Control Pro 150	Control Pro 170	Control Pro 190
211	STAINS: transparent and semi-transparent, lacquers and polyurethane	4–6" ▼	●	●	●	●
311		6–8" ▼	●	●	●	●
313	STAINS: semi-transparent and solid, lacquer and polyurethane	6–8" ▼	●	●	●	●
413		8–10" ▼	●	●	●	●
515	PAINTS: water and oil-based paints & primers and solid stains	10–12" ▼	Included ●	Included ●	Included ●	Included ●
517		10–12" ▼			●	●
619		12–14" ▼				●

Image 8.1: Tip Recommendation Chart for Wagner Control Pro series, detailing tip numbers, coatings, pattern width, and compatibility with different Control Pro models.



Image 8.2: A table comparing key specifications across various Wagner Control Pro models, including maximum tip size, flow rate, hose length, horsepower, and adjustable pressure settings.

9. WARRANTY AND SUPPORT

The Wagner Control Pro 190 Cart Paint Sprayer comes with a **1-year limited warranty**. For warranty claims,

technical support, or replacement parts, please refer to the contact information provided in your product packaging or visit the official Wagner website.

For additional resources, including videos, tips, and project ideas, you can visit the Wagner Store online.



support + videos + tips + project ideas

always there when you need help

FREE
with the purchase
of this product.

Providing you digital
access to support, tools
and resources for your
Wagner products wherever
and whenever you need it.



Image 9.1: Information on Wagner's comprehensive support resources, including videos, tips, and project ideas, accessible via digital platforms.

Note: No official product videos were embedded due to the absence of specific m3u8 video URLs in the provided product data.