

Wagner Control Pro 250R

WAGNER Airless ControlPro 250R Paint Sprayer User Manual

Model: Control Pro 250R | Brand: Wagner

INTRODUCTION

The WAGNER Airless ControlPro 250R is a compact and efficient paint sprayer designed for experienced DIY enthusiasts, maintenance personnel, and craftspeople undertaking infrequent spray painting projects. This unit incorporates High Efficiency Airless (HEA) technology, which utilizes an innovative nozzle design and a pressure-reduced pump. This technology enables precise and clean application with up to 55% less overspray, ensuring perfect, streak-free results even for first-time users. The reduced pressure also contributes to effortless operation with the high-quality Airless gun, featuring significantly reduced trigger pressure and recoil compared to conventional airless sprayers. The ControlPro 250R is versatile, capable of working with a wide range of materials including solvent and water-based paints, varnishes, wood preservatives, emulsion, and latex paints. It is ideal for medium to large projects and frequent use, offering a practical carrying handle for easy portability and a 9-meter flexible hose for extensive working range. The direct intake from the paint container eliminates the need for decanting or refilling, streamlining your painting process.

SAFETY INFORMATION

Always prioritize safety when operating the WAGNER Airless ControlPro 250R. Failure to follow safety instructions can result in serious injury or property damage.

- **Read the Manual:** Thoroughly read and understand all instructions and warnings in this manual before operating the sprayer.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, gloves, and a respirator or mask, especially when spraying. Ensure adequate ventilation in your work area.
- **Flammable Materials:** Do not use the sprayer with flammable materials. The ControlPro 250R is designed for water- and solvent-based materials such as emulsion and latex paints, enamels, vinyl, matt, silk, gloss, varnishes, acrylic paints, wood preservatives, stains, primers, undercoats, plant protection products, disinfectants, and oils.
- **Electrical Safety:** Ensure the power source is appropriate for the unit. Do not operate the sprayer with damaged cords or plugs. Keep the power cord away from heat, oil, sharp edges, and moving parts.
- **Pressure Safety:** Airless sprayers operate under high pressure. Never point the spray gun at yourself or others. Always engage the trigger lock when not spraying or when performing maintenance.
- **Children and Pets:** Keep children and pets away from the work area and the equipment.

COMPONENTS OVERVIEW

The WAGNER Airless ControlPro 250R comes with the following key components:

- Basic unit 250 R (main sprayer unit)
- High-pressure hose (9m)
- Hybrid Airless Gun
- Filter Set
- Tip 311
- Tip 517



Image: The WAGNER Airless ControlPro 250R main unit, showing the compact design with a carry handle, connected to the spray gun via a high-pressure hose. Various accessories including additional tips and filters are also displayed, illustrating the complete package.

SETUP

1. Unpacking and Inspection

Carefully remove all components from the packaging. Inspect for any signs of damage. Ensure all listed components are present before proceeding.

2. Assembly

1. Connect the high-pressure hose to the main unit's outlet and to the spray gun's inlet. Ensure connections are secure and hand-tightened.
2. Insert the appropriate spray tip (e.g., Tip 517 for general use) into the spray gun's tip guard and secure it.
3. Ensure the filter is correctly installed in the spray gun handle.

3. Material Preparation

The ControlPro 250R can handle a wide range of materials. For optimal performance and to prevent clogging, proper material preparation is crucial:

- **Thinning:** While HEA technology allows for spraying many materials unthinned, some thicker paints, such as contract matt emulsion, may require thinning by 10-20% with water or appropriate solvent. Always refer to the paint manufacturer's recommendations.
- **Filtering:** Always filter your paint to remove any lumps or debris that could clog the sprayer. Use a paint strainer or mesh filter.
- **Direct Intake:** Place the suction tube directly into the paint container. Ensure the pick-up/collector is fully submerged in the paint to maintain pressure and prevent air intake.

4. Priming the Unit

Before spraying, the unit must be primed to remove air from the system and fill it with paint:

1. Place the return tube into a waste bucket.
2. Set the pressure control knob to the lowest setting.
3. Turn the unit ON.
4. Slowly increase the pressure until paint flows smoothly from the return tube.
5. Once paint flows consistently, turn the unit OFF and place the return tube back into the paint container.

OPERATING THE SPRAYER

1. Adjusting Spray Pressure

The ControlPro 250R features adjustable spray pressure, allowing you to fine-tune the output for different materials and surfaces. Start with a lower pressure setting and gradually increase it until you achieve a consistent, even spray pattern without excessive overspray. The HEA technology is designed to provide maximum control with reduced pressure, leading to up to 55% less overspray compared to conventional airless systems.

2. Spraying Techniques

Achieving a professional finish requires proper technique:

- **Distance:** Maintain a consistent distance of approximately 25-30 cm (10-12 inches) from the surface.
- **Movement:** Use smooth, even strokes, moving your entire arm rather than just your wrist. Overlap each pass by about 50% to ensure uniform coverage.
- **Triggering:** Begin moving the gun before pulling the trigger and release the trigger before stopping your movement. This prevents paint build-up at the start and end of each stroke.

- **Control:** The innovative nozzle technology provides a softer spray, which improves control and helps achieve a more consistent finish, even for novice users.

3. Applications

The WAGNER ControlPro 250R is suitable for a variety of interior and exterior painting projects:



Image: A person wearing protective gear uses the WAGNER ControlPro 250R to spray paint the exterior of a wooden shed. The sprayer unit is visible on the ground, drawing paint directly from a bucket, demonstrating its use for outdoor applications.



Image: An individual is shown spray painting an indoor ceiling with the WAGNER ControlPro 250R. The lightweight airless spray gun with its two-finger trigger allows for extended use without fatigue, making it suitable for overhead tasks.

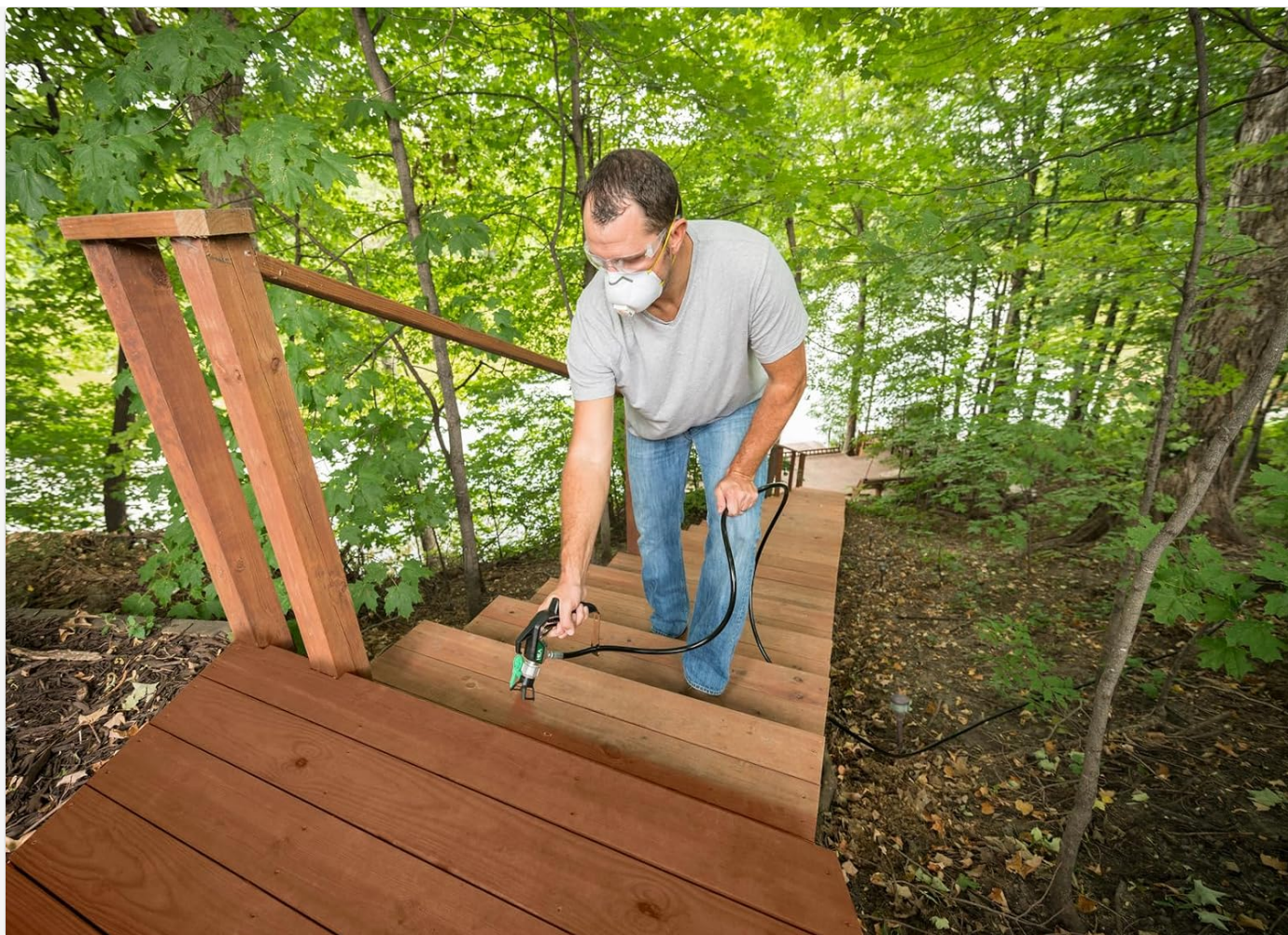


Image: A person applies stain to outdoor wooden stairs using the WAGNER ControlPro 250R. This illustrates the sprayer's versatility for various materials like wood preservatives and stains, and its utility for detailed outdoor projects.

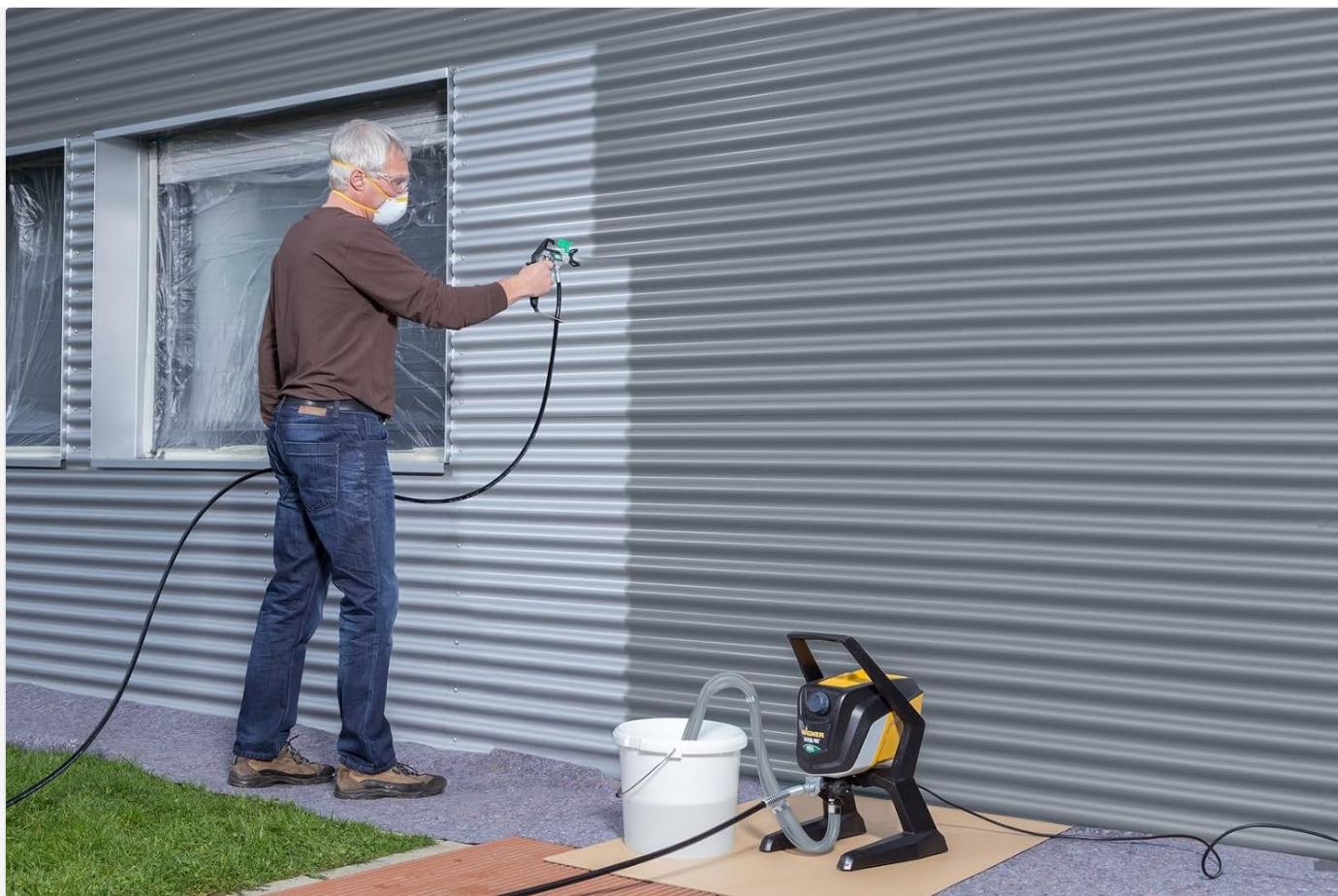


Image: An individual is seen spray painting a large corrugated metal wall with the WAGNER ControlPro 250R. The 9-meter flexible paint hose provides a large working range, making it efficient for covering extensive surfaces quickly.

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Video: This video demonstrates the WAGNER Airless ControlPro 250R in action, showcasing its ease of use and efficiency for painting large surfaces. It highlights the smooth application and coverage capabilities of the sprayer.

MAINTENANCE

Proper cleaning and maintenance are essential for the longevity and optimal performance of your WAGNER Airless ControlPro 250R. Neglecting cleaning can lead to clogs and reduced efficiency.

1. Cleaning After Use

The cleanup process is critical and needs to be done thoroughly. It is recommended to clean the unit immediately after each use.

1. **Depressurize:** Always turn off the unit, engage the trigger lock, and relieve pressure by pointing the gun into a waste bucket and pulling the trigger.
2. **Flush System:** Remove the paint container and place the suction tube into a bucket of clean water (for water-based paints) or appropriate cleaning solvent (for solvent-based paints).
3. **Circulate Cleaner:** Turn the unit ON and circulate the cleaning solution through the system until it runs clear from the spray gun and return tube. This may take several minutes.
4. **Clean Gun and Tip:** Disassemble the spray gun, remove the tip, tip guard, and filter. Clean all components thoroughly with a brush and appropriate cleaning solution. Pay special attention to the small orifices in the tip.
5. **Clean Suction Tube:** Clean the suction tube and filter on the end of the tube.
6. **Waste Paint:** You can catch the initial watery paint during flushing in a separate container and use it the next day to

dilute your neat paint, minimizing waste.

2. Storage

After thorough cleaning, store the sprayer in a clean, dry, and frost-free environment. For long-term storage, it is advisable to run a pump protector or storage fluid through the system to prevent corrosion and keep seals lubricated.

TROUBLESHOOTING

If you encounter issues with your WAGNER Airless ControlPro 250R, consult the following common problems and solutions:

Problem	Possible Cause	Solution
No spray or low pressure	◦ Clogged tip or filter ◦ Suction tube not fully submerged or air intake ◦ Material too thick ◦ Worn pump or seals	◦ Clean or replace tip and filters. ◦ Ensure suction tube is deep in paint; refill paint container if low. ◦ Thin material as per manufacturer's instructions. ◦ Contact customer support for service.
Uneven spray pattern or streaking	◦ Partially clogged tip ◦ Incorrect pressure setting ◦ Inconsistent spraying technique	◦ Clean or replace tip. ◦ Adjust pressure for optimal fan pattern. ◦ Practice consistent movement and overlap.
Sprayer motor runs continuously, but no paint flow	◦ Air in the system ◦ Suction tube not submerged ◦ Inlet valve stuck open	◦ Re-prime the unit. ◦ Ensure suction tube is fully submerged in paint. ◦ Clean the inlet valve according to the detailed manual.

SPECIFICATIONS

Feature	Detail
Manufacturer	Wagner
Part Number	2371070
Product Dimensions	39.54 x 45.99 x 33.47 cm
Item Model Number	Control Pro 250R
Colour	Yellow

Feature	Detail
Style	250 R
Material	Metal
Pattern	Single
Power Source	Corded Electric
Item Package Quantity	1
Number Of Pieces	1
Hose Length	9 Meters
Measurement System	Metric
Special Features	Lightweight, Airless
Included Components	1 x Basic unit 250 R Hose (9m) Hybrid Gun Filter Set Tip 311, 517
Batteries Required?	No
Item Weight	7.2 kg
Recommended uses for product	Painting

WARRANTY AND SUPPORT

The WAGNER Airless ControlPro 250R comes with a manufacturer's warranty to ensure your peace of mind.

- **Warranty:** This product is covered by a 3-year warranty. Please retain your proof of purchase for warranty claims.
- **Customer Support:** For technical assistance, spare parts, or warranty inquiries, please contact Wagner customer support through their official website or authorized service centers. Refer to the packaging or Wagner's official website for contact details specific to your region.

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

you@example.com

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