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› WAGNER Airless Trade Tip 3 Fine Finish Nozzle 414 Instruction Manual

Wagner 554414

WAGNER Airless Trade Tip 3 Fine Finish Nozzle 414 Instruction Manual

Model: 554414

INTRODUCTION

This manual provides essential information for the safe and effective use of your WAGNER Airless Trade Tip 3 Fine Finish Nozzle 414. This top-tier painting nozzle features optimized third-generation properties, including a double special core for ultrafine droplet formation and high-quality surfaces, even at low pressure ranges. It is specifically designed for use with fillers and anti-corrosive paints.

SAFETY INFORMATION

WARNING: Always read and understand all safety warnings and instructions provided with your airless spray equipment before installing or operating this nozzle.

- **Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) when operating airless spray equipment.
- **Respiratory Protection:** Use a respirator or mask suitable for the type of material being sprayed and ensure adequate ventilation.
- **Skin Protection:** Wear gloves and protective clothing to prevent skin contact with paint and solvents.
- **High Pressure Hazard:** Airless spray equipment operates at extremely high pressure. Never point the spray gun at yourself or others. Never place your hand or body part in front of the spray tip.
- **Pressure Release:** Always relieve system pressure before cleaning, checking, or servicing any part of the spray equipment, including the nozzle. Engage the trigger lock before removing the tip.
- **Flammable Materials:** Ensure proper ventilation and eliminate all ignition sources when spraying flammable materials.

PACKAGE CONTENTS

Verify that all components are present in your package:

- 1 x WAGNER Airless Trade Tip 3 Fine Finish Nozzle 414
- 1 x Gun Filter (red)

- 1 x Double Seal



Image: The WAGNER Airless Trade Tip 3 Fine Finish Nozzle 414 shown alongside its included red gun filter and double seal.

SETUP

1. **Prepare Spray Gun:** Ensure your airless spray gun is clean and free of debris. Refer to your spray gun's manual for specific cleaning instructions.
2. **Install Filter:** Insert the red gun filter into the handle of your spray gun, ensuring it is seated correctly.
3. **Install Double Seal:** Place the double seal into the nozzle guard of your spray gun.
4. **Attach Nozzle:** Insert the WAGNER Airless Trade Tip 3 Fine Finish Nozzle 414 into the nozzle guard. Ensure the nozzle is fully seated and aligned.
5. **Secure Nozzle Guard:** Screw the nozzle guard onto the spray gun securely. Do not overtighten.
6. **Connect Hose:** Connect the high-pressure hose from your airless sprayer to the spray gun.
7. **Prepare Material:** Ensure your paint or filler material is properly mixed and strained according to the manufacturer's recommendations to prevent clogging.



Image: A detailed view of the WAGNER Airless Trade Tip 3 Fine Finish Nozzle 414, highlighting its purple color and design.

OPERATING INSTRUCTIONS

1. **Prime System:** Follow your airless sprayer's instructions to prime the system with your chosen material.
2. **Adjust Pressure:** Start with a lower pressure setting and gradually increase it until you achieve a consistent, even spray pattern without tails (uneven edges). The Fine Finish Nozzle is designed for optimal atomization at low pressure.
3. **Test Spray:** Always test spray on a piece of scrap material to verify the spray pattern and adjust pressure as needed.
4. **Spraying Technique:**
 - Maintain a consistent distance (typically 10-12 inches) from the surface.
 - Keep the spray gun perpendicular to the surface, moving your entire arm, not just your wrist.
 - Overlap each pass by approximately 50% to ensure even coverage.
 - Release the trigger at the end of each pass to prevent excessive build-up.



Image: A person demonstrating the use of an airless sprayer with a Wagner nozzle to apply purple paint to a door, showcasing proper technique.



Image: A person wearing protective gear, using an airless sprayer with a Wagner nozzle to paint an interior wall, demonstrating application in a confined space.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your WAGNER Airless Trade Tip 3 Fine Finish Nozzle.

1. **Relieve Pressure:** Before any cleaning or maintenance, always turn off the sprayer, engage the trigger lock, and relieve all system pressure.

- 2. **Remove Nozzle:** Unscrew the nozzle guard and carefully remove the nozzle and double seal.
- 3. **Clean Nozzle:** Clean the nozzle thoroughly with the appropriate solvent or water, depending on the material sprayed. Use a soft brush or a specialized tip cleaning tool to remove any dried paint or debris from the orifice.
- 4. **Clean Filter:** Remove and clean the gun filter. Rinse it thoroughly until all paint residue is gone.
- 5. **Inspect Components:** Inspect the nozzle, double seal, and filter for any signs of wear or damage. Replace worn parts as necessary.
- 6. **Storage:** Store the clean nozzle and components in a dry, protected area. For long-term storage, consider soaking the nozzle in a compatible solvent or tip protector fluid to prevent drying and clogging.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Uneven spray pattern / "tails"	Insufficient pressure; Worn nozzle; Material too thick.	Increase pressure gradually; Replace nozzle; Thin material according to manufacturer's instructions.
Clogging	Unstrained material; Dried paint in nozzle; Worn filter.	Strain material before use; Clean nozzle thoroughly; Replace filter.
Excessive overspray	Pressure too high; Spray gun too far from surface.	Reduce pressure; Move closer to surface (maintain consistent distance).
Leaking from nozzle guard	Damaged or missing double seal; Loose nozzle guard.	Inspect and replace double seal if damaged; Tighten nozzle guard.

SPECIFICATIONS

Model Number	554414
Size	414
Colour	Lila (Purple)
Style	Fillers, anti-corrosive paints
Material	Metall (Metal)
Product Dimensions	5.5 x 6 x 1.3 cm
Item Weight	300 Grams (0.3 Kilograms)
Special Features	Airless, Fine Finish
Included Components	1 nozzle 414, 1 gun filter red, 1 double seal

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your WAGNER Airless Trade Tip 3 Fine Finish Nozzle 414, please refer to the official Wagner website or contact Wagner customer service directly. Keep your purchase receipt as proof of purchase.

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