

Sagola PG101422--

Sagola 4600 Xtreme Gravity Spray Gun User Manual

Model: PG101422-- | Brand: Sagola

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation, maintenance, and troubleshooting of your Sagola 4600 Xtreme Gravity Spray Gun. Designed for professional use, this spray gun offers exceptional atomization and finish quality for various coatings, including clearcoats and basecoats.



Figure 1: Sagola 4600 Xtreme Gravity Spray Gun (Clear Air Cap, 1.20mm)

2. KEY FEATURES

- **Clear Air Cap:** Engineered for maximum atomization energy, ideal for high solid content clearcoats and OEM finishes, ensuring maximum application speed.
- **Interchangeable Parts:** Achieve a perfect finish with a variety of interchangeable Needle, Nozzle, and Air Cap configurations.
- **Quality Manufacturing:** Each spray gun is constructed with easily replaceable components for extended service life.
- **Trusted Brand:** Sagola has been a leader in the painting industry since 1955, known for reliability and performance.



Figure 2: Included components of the Sagola 4600 Xtreme Gravity Spray Gun kit, showing the spray gun, cup, cleaning brush, wrench, and other accessories.



Figure 3: Internal diagram of the Sagola 4600 Xtreme Gravity Spray Gun, highlighting key components and their placement for optimal performance.

3. SETUP AND ASSEMBLY

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the product description are present.

2. **Initial Cleaning:** Before first use, clean the fluid passages and air cap with an appropriate cleaning solution to remove any manufacturing residues.
3. **Attach Air Cap and Nozzle:** Securely attach the desired air cap and nozzle combination. Ensure the needle is properly seated.
4. **Connect Air Supply:** Connect a regulated air supply line to the gun's air inlet. Ensure the air pressure is set according to the recommended specifications for your chosen coating.
5. **Attach Gravity Cup:** Screw the gravity feed cup onto the top of the spray gun.



Figure 4: A hand demonstrating the assembly of a component onto the Sagola 4600 Xtreme Gravity Spray Gun, illustrating the ease of part replacement.

4. OPERATING INSTRUCTIONS

4.1. Material Preparation

Ensure your paint or clearcoat is properly mixed and strained according to the manufacturer's recommendations. The Sagola 4600 Xtreme is designed for optimal performance with various material viscosities.

4.2. Air Cap and Nozzle Selection

The Sagola 4600 Xtreme offers various air caps and fluid nozzles to optimize performance for different materials and desired finishes. Refer to the table below for recommended settings:



DVR CLEAR Aircap. Maximum atomization energy to work with high solid content clearcoats. OEM finishes. Maximum application speed. Sagola EPA high transfer system.

Recommended application	Recommended nozzle	Product output flow	Fan size	Application distance
CLEARCOATS	1.20	185 g/min. (6.5 oz/min.)	275 mm. (10.8")	18 - 20 cm. (7 - 7.9")
LOW VISCOSITY	1.20 XL	197 g/min. (7 oz/min.)	285 mm. (11.2")	
EXPRESS DRYING				
HS-UHS	1.30	205 g/min. (7.2 oz/min.)	290 mm. (11.4")	
CLEARCOATS				
SINGLE STAGE	1.30 XL	219 g/min. (7.7 oz/min.)	295 mm. (11.6")	
Air consumption at 2 bar (29 psi): 295 L/min. (10.42 cfm)			Recommended pressure: 2.2 bar (31.9 psi)	

Figure 5: Recommended application settings for the DVR Clear Aircap, including nozzle sizes, product output flow, fan size, and application distance for various clearcoats.

The **DVR Clear Aircap** (as included with this model) provides maximum atomization energy for high solid content clearcoats and OEM finishes, ensuring high application speed.



Figure 6: Close-up view of the Sagola DVR Clear Aircap, highlighting its design for optimal clearcoat application.

Other available air caps (sold separately) include:



DVR Aqua Air Cap



DVR Clear Air Cap



DVR HVLP Air Cap



DVR Titania Pro Air Cap



Figure 7: Sagola spray gun needle and nozzle components, essential for controlling fluid flow and spray pattern.

4.3. Spraying Technique

Maintain a consistent distance and angle from the surface. Overlap each pass by approximately 50% to ensure even coverage. Practice on scrap material to achieve the desired finish before applying to your final workpiece.

Figure 8: A professional painter utilizing the Sagola spray gun to apply coating to a car panel, demonstrating proper technique and coverage.

4.4. Official Product Video

Your browser does not support the video tag.

Video 1: Official Sagola video showcasing the features and performance of the 4600 Xtreme Gravity Air Guns, including different air caps and fluid nozzles.

5. MAINTENANCE AND CLEANING

Proper cleaning and maintenance are crucial for the longevity and optimal performance of your Sagola spray gun.

1. **Immediate Cleaning:** After each use, immediately clean the fluid passages and air cap with an appropriate solvent or cleaning solution.
2. **Disassembly:** For thorough cleaning, disassemble the air cap, fluid nozzle, and needle. Clean each component individually.
3. **Brush Cleaning:** Use the provided cleaning brushes to remove paint residue from internal passages and threads.
4. **Lubrication:** Periodically lubricate moving parts and threads with a suitable spray gun lubricant to ensure smooth operation.

5. **Storage:** Store the spray gun in a clean, dry place, preferably in its original case or a protective container.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pulsating Spray	Low material in cup, loose fluid nozzle, clogged air vent in cup.	Refill cup, tighten nozzle, clear air vent.
Uneven Spray Pattern	Dirty or damaged air cap, incorrect air pressure, worn fluid nozzle.	Clean or replace air cap, adjust air pressure, replace fluid nozzle.
Excessive Overspray	Too high air pressure, incorrect fluid viscosity, gun too far from surface.	Reduce air pressure, adjust material viscosity, reduce application distance.

For issues not covered here, please refer to the support section or contact Sagola customer service.

7. TECHNICAL SPECIFICATIONS

Attribute	Detail
Brand	Sagola
Model Name	Sagola 4600 Xtreme Gravity Spray Gun
Item Model Number	PG101422--
Color	Clear Air Cap (as configured)
Material	Plastic, Metal
Style	Gun
Power Source	Air Powered
Included Components	Spray Tip, Needle Nozzle, Spray Gun
Item Weight	2.1 pounds
Country of Origin	USA

8. IMPORTANT SAFETY INFORMATION

WARNING: Always adhere to safety guidelines when operating spray equipment.

- Always use in a well-ventilated area to prevent inhalation of fumes.
- Avoid direct contact with skin and eyes. Wear appropriate personal protective equipment (PPE), including gloves, eye protection, and a respirator.
- Do not ingest any paint or cleaning solutions.
- Dispose of paint residue, solvents, and cleaning materials according to local environmental regulations.
- Ensure the air supply is disconnected before performing any maintenance or cleaning.

9. WARRANTY INFORMATION

The Sagola 4600 Xtreme Gravity Spray Gun comes with a **3-Year Warranty**. This warranty covers manufacturing defects and ensures the quality of the product. For warranty claims or detailed terms and conditions, please contact Sagola customer support.

10. CUSTOMER SUPPORT

For technical assistance, spare parts, or any inquiries regarding your Sagola 4600 Xtreme Gravity Spray Gun, please contact Elcometer Inc., the authorized seller and distributor.

Seller: Elcometer Inc.

Amazon Store: [Visit the Sagola Store on Amazon](#)

General Inquiries: Refer to the contact information provided with your purchase or on the official Sagola website.