

[Manuals.plus](#) /

› [Sagola](#) /

› Sagola 4600 Clear Pro Gravity Spray Gun Instruction Manual

## Sagola 4600

# Sagola 4600 Clear Pro Gravity Spray Gun Instruction Manual

## 1. PRODUCT OVERVIEW

---

The Sagola 4600 Clear Pro Gravity Spray Gun is engineered for professional clear coat applications in automotive and industrial settings. This lightweight spray gun features high transfer efficiency, ensuring a smooth and uniform finish while minimizing material waste. It is designed for ease of use and versatility, offering optional digital pressure gauge integration for enhanced control.



## Key Features:

- **Professional Clear Coat Application:** Designed to achieve high-quality finishes, particularly for clear coats.
- **Optional Digital Pressure Gauge:** Provides precise control over air pressure for consistent results.
- **Lightweight Design:** Reduces user fatigue during extended operation.
- **High Transfer Efficiency:** Optimizes paint transfer, reducing material consumption and overspray.
- **Versatile Use:** Suitable for a broad range of automotive and industrial painting tasks.

## 2. COMPONENTS AND ASSEMBLY

---

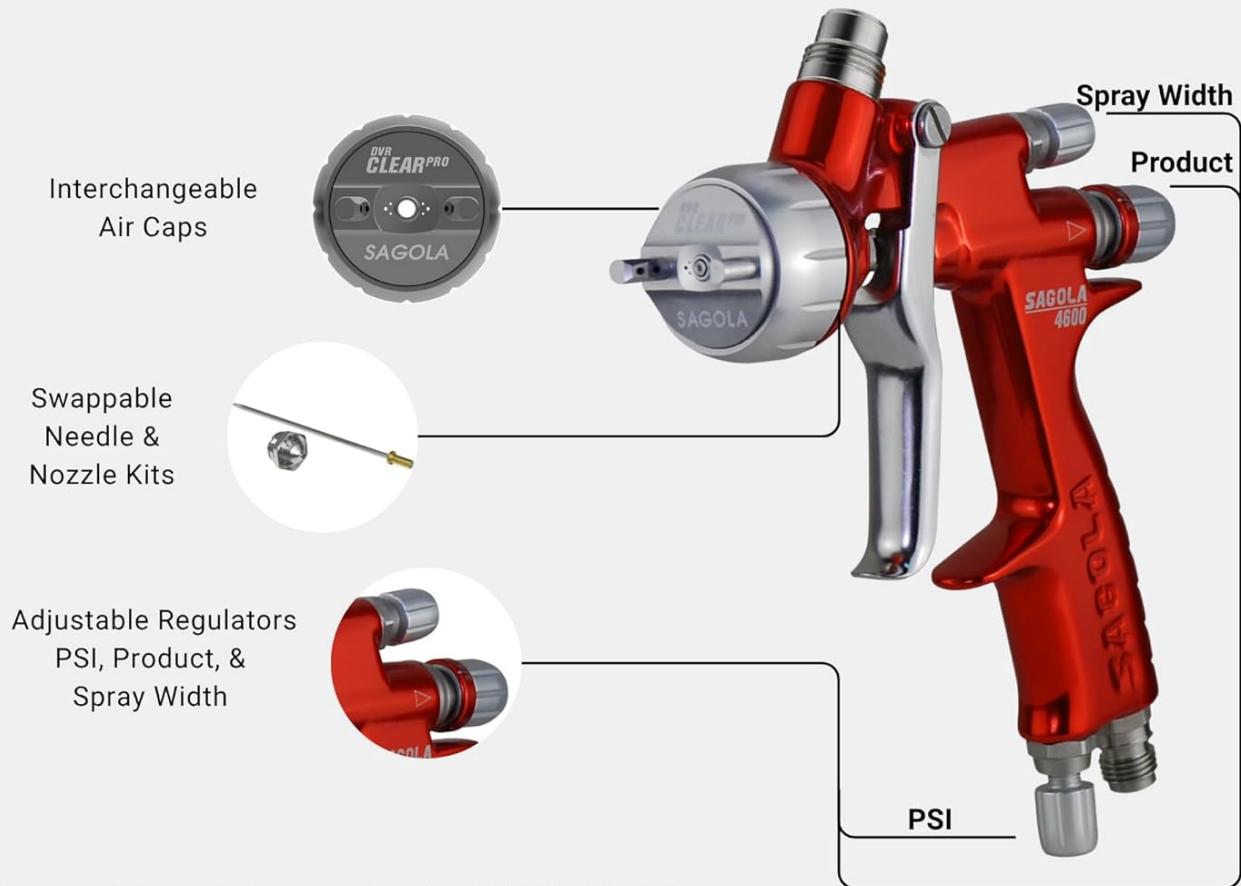
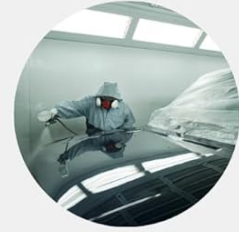
The Sagola 4600 spray gun comes with essential components for operation. Familiarize yourself with each part before assembly.

### Included Components:

- Air Cap
- Needle Nozzle Kit
- Paint Cup

# Show Finish Gun

Achieve a mirror finish and eliminate orange peel



**Needle & Nozzle Options (mm):** 1.20, 1.25, 1.30, 1.35, 1.40

**Air Cap Options:** Base, Clear, Clear Pro, HVLP

Figure 2: Key components and adjustment points of the Sagola 4600 spray gun, including spray width, product flow, PSI, interchangeable air caps, swappable needle and nozzle kits, and adjustable regulators.

## Initial Setup:

1. **Attach Paint Cup:** Securely screw the paint cup onto the top of the spray gun body.
2. **Install Needle Nozzle Kit:** Ensure the correct needle and nozzle size (e.g., 1.40mm) is installed for your application. Refer to the specifications for compatibility.
3. **Attach Air Cap:** Twist the chosen air cap (e.g., Clear Pro) onto the front of the gun body until it is firmly seated.
4. **Connect Air Supply:** Attach a clean, regulated air supply hose to the air inlet at the base of the gun handle. Ensure the air pressure is set according to the material manufacturer's recommendations and the gun's specifications.



Figure 3: Close-up view of the air cap assembly on the Sagola 4600 spray gun.

### 3. OPERATING INSTRUCTIONS

---

Proper operation of the Sagola 4600 ensures optimal finish quality and efficiency.

#### **Air Cap Options and Settings:**

The Sagola 4600 supports various air caps, each designed for specific applications and requiring different air pressure and consumption settings. Always refer to the material manufacturer's data sheet for recommended spray parameters.



Figure 4: Air consumption and pressure guidelines for various Sagola 4600 air caps. Note: For HVLP nozzles, do not exceed 1.8 bar inlet pressure to prevent overspray and reduced transfer efficiency.

### Adjustments:

- **Air Pressure (PSI):** Use the air regulator at the gun's base or your external air supply to set the desired inlet pressure. If equipped with an optional digital gauge, monitor pressure directly.
- **Product Flow:** Adjust the fluid needle knob at the rear of the gun to control the amount of material being sprayed.
- **Spray Width:** The fan control knob on the side of the gun adjusts the width of the spray pattern. Turn clockwise for a narrower pattern, counter-clockwise for a wider pattern.

### Spraying Technique:

1. Hold the gun perpendicular to the surface, maintaining a consistent distance (typically 6-8 inches).
2. Move the gun at a steady speed, overlapping each pass by approximately 50% to ensure even coverage.
3. Release the trigger at the end of each pass to avoid excessive material buildup.

Your browser does not support the video tag.

Video 1: An overview of the Sagola 4600 spray gun, demonstrating its features and application in a professional setting.

## 4. MAINTENANCE

---

Regular cleaning and maintenance are crucial for the longevity and optimal performance of your Sagola 4600 spray gun.

### Cleaning Procedure:

1. **Empty Paint Cup:** Remove any remaining material from the paint cup.
2. **Flush Gun:** Fill the paint cup with an appropriate cleaning solvent (compatible with your paint material) and spray it through the gun until the solvent runs clear.
3. **Disassemble:** Carefully remove the air cap, fluid nozzle, and fluid needle.
4. **Clean Components:** Use a brush and cleaning solvent to thoroughly clean all disassembled parts. Pay close attention to the air cap holes and fluid passages. Do not use metal objects to clean the nozzle or air cap, as this can damage them.
5. **Reassemble:** Once all parts are clean and dry, reassemble the gun. Ensure all components are tightened correctly but do not overtighten.

The Sagola 4600 features **M2M (Metal to Metal) Technology**, which means there are no packings, joints, or seals in the fluid area. This design simplifies cleaning and maintenance, enhancing reliability and reducing the cost of upkeep.

## 5. TROUBLESHOOTING

---

This section addresses common issues you might encounter during operation.

Problem	Possible Cause	Solution
Uneven Spray Pattern	Clogged air cap holes; damaged air cap; incorrect air pressure.	Clean air cap; replace damaged air cap; adjust air pressure.
Pulsating Spray	Low material in cup; loose fluid nozzle; clogged fluid passage.	Refill cup; tighten nozzle; clean fluid passage.
Excessive Overspray	Too high air pressure; gun too far from surface; incorrect material viscosity.	Reduce air pressure; move gun closer; adjust material viscosity.
Leaking from Nozzle	Damaged fluid needle or nozzle; loose fluid nozzle.	Replace damaged parts; tighten fluid nozzle.

## 6. SPECIFICATIONS

---

Detailed technical specifications for the Sagola 4600 Clear Pro Gravity Spray Gun.

- **Brand:** Sagola
- **Model Name:** Sagola 4600 Clear Gravity Spray Gun
- **Item Model Number:** 10142---
- **Style (Nozzle Size):** 1.40mm (Standard)
- **Color:** Orange
- **Material:** Standard
- **Item Weight:** 1.62 Kilograms (3.56 pounds)
- **Included Components:** Air Cap, Needle Nozzle Kit, Paint Cup

## 7. WARRANTY AND SUPPORT

---

For warranty information, technical support, or to purchase replacement parts, please contact Sagola customer service or your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.

**Manufacturer:** Sagola

For further assistance, visit the official Sagola website or contact Elcometer Inc., the authorized seller.

