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> [SPARMAX SP20/SP20X/SP020 Airbrush Nozzle 0.2mm Instruction Manual](#)

## Sparmax SPX63070

# SPARMAX 0.2mm Airbrush Nozzle Instruction Manual

For SP20, SP20X, and SP020 Airbrush Models

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your SPARMAX 0.2mm Airbrush Nozzle. This precision component is designed for use with SPARMAX SP20, SP20X, and SP020 airbrush models, enabling fine detail work and consistent paint flow. Please read these instructions carefully before use to ensure optimal performance and longevity of your nozzle.

## 2. PRODUCT OVERVIEW

The SPARMAX 0.2mm Airbrush Nozzle (Model SPX63070) is a critical component for achieving fine lines and detailed spray patterns with compatible SPARMAX airbrushes. Constructed from durable steel, it is engineered for precision and reliability.



**Figure 1:** SPARMAX 0.2mm Airbrush Nozzle. This image displays the small, conical brass component with a threaded base and a black O-ring, designed for precise paint delivery in airbrushing.

This nozzle is specifically designed for the following SPARMAX airbrush models:

- SPARMAX SP20
- SPARMAX SP20X
- SPARMAX SP020

### 3. SETUP AND INSTALLATION

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Proper installation of the nozzle is crucial for optimal airbrush performance. Always handle the nozzle with care to avoid damage to the delicate tip.

1. **Ensure Cleanliness:** Before installation, ensure both the nozzle and the airbrush body's nozzle receptacle are clean and free of any paint residue or debris.
2. **Gentle Placement:** Carefully insert the nozzle into its designated position on the airbrush. The nozzle typically screws into place or is held by a nozzle cap.
3. **Tighten Securely:** If threaded, gently screw the nozzle into place. Do not overtighten, as this can damage the threads or the nozzle itself. A snug fit is sufficient to prevent air leaks.
4. **Check O-ring:** Verify that the small O-ring on the nozzle is properly seated and not damaged. This O-ring is essential for an airtight seal.
5. **Needle Alignment:** After installing the nozzle, carefully reinsert the airbrush needle, ensuring it passes smoothly through the nozzle opening without resistance.

Refer to your specific SPARMAX airbrush manual for detailed assembly instructions if needed.

### 4. OPERATING GUIDELINES

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The 0.2mm nozzle is ideal for applications requiring fine detail and precise control. Follow these general guidelines for operation:

- **Paint Consistency:** Ensure your paint is thinned to the appropriate consistency for a 0.2mm nozzle. Thicker paints will clog the fine opening.
- **Air Pressure:** Start with lower air pressures (e.g., 15-25 PSI) and adjust as needed for your specific paint and desired effect.
- **Spray Distance:** Hold the airbrush closer to your surface for finer lines and details.
- **Trigger Control:** Practice smooth and consistent trigger control to regulate both air and paint flow effectively.

### 5. MAINTENANCE AND CLEANING

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Regular and thorough cleaning of your nozzle is essential to prevent clogging and maintain optimal performance. Always clean your airbrush and nozzle immediately after each use.

1. **Initial Rinse:** Flush the airbrush with appropriate cleaner (water for acrylics, solvent for enamels/lacquers) until the spray runs clear.
2. **Disassembly:** Carefully remove the nozzle from the airbrush.
3. **Soak (if needed):** For stubborn clogs, soak the nozzle in an appropriate airbrush cleaner for a short period.
4. **Gentle Cleaning:** Use a soft brush or cotton swab with cleaner to gently clean the exterior and interior of the nozzle. For the fine opening, use a specialized nozzle cleaning tool or a very fine wire, but exercise extreme caution to avoid widening or damaging the orifice.
5. **Rinse and Dry:** Rinse the nozzle thoroughly with clean water or cleaner and allow it to air dry completely before reassembly.

**Caution:** Never use metal tools or excessive force to clean the nozzle opening, as this can permanently damage the precision orifice.

## 6. TROUBLESHOOTING

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If you encounter issues with your airbrush, the nozzle is often a key area to check.

Problem	Possible Cause	Solution
No paint flow or sputtering	Clogged nozzle, paint too thick, damaged nozzle tip, loose nozzle.	Clean nozzle thoroughly. Thin paint. Inspect nozzle for damage; replace if necessary. Ensure nozzle is securely tightened.
Inconsistent spray pattern	Partially clogged nozzle, damaged nozzle tip, bent needle.	Clean nozzle. Inspect nozzle and needle for damage; replace if necessary.
Air bubbles in paint cup	Loose nozzle, damaged nozzle, damaged O-ring.	Tighten nozzle. Inspect nozzle and O-ring for damage; replace if necessary.

## 7. SPECIFICATIONS

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- **Model Number:** SPX63070
- **Nozzle Size:** 0.2 mm
- **Material:** Steel (Durable construction)
- **Compatibility:** SPARMAX SP20, SP20X, SP020 Airbrushes
- **Item Weight:** Approximately 0.705 ounces
- **Manufacturer:** SPARMAX
- **Number of Pieces:** 1
- **Batteries Required:** No

## 8. WARRANTY AND SUPPORT

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For information regarding warranty coverage or technical support for your SPARMAX products, please refer to the documentation provided with your original airbrush purchase or visit the official SPARMAX website. For specific inquiries, it is recommended to contact SPARMAX customer service directly.