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## Airbrush Fengda BD-130

# Fengda BD-130 Double-Action Airbrush User Manual

Model: BD-130 | Nozzle: 0.2 mm

## 1. Introduction

Thank you for choosing the Fengda BD-130 Double-Action Airbrush. This precision tool is designed for detailed artwork, model painting, and various other applications requiring fine control. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your airbrush.

## 2. Important Safety Information

- Always wear safety glasses when using the airbrush to protect your eyes from paint or cleaning solutions.
- Ensure adequate ventilation in your workspace to avoid inhaling paint fumes or atomized particles.
- Keep the airbrush and nozzle clean to prevent clogging and ensure optimal performance.
- Do not point the airbrush at people or animals.
- Store the airbrush in a safe place, out of reach of children and pets.
- Always follow the manufacturer's instructions for proper use and maintenance of the airbrush and any associated equipment (e.g., air compressor, paints).

## 3. Package Contents

Please verify that all the following components are included in your package:

- Fengda BD-130 Double-Action Airbrush
- Nozzle (0.2 mm pre-installed or included)
- Cleaning Kit
- Gun Lubricant
- Instruction Guide (this manual)
- Measuring Cap
- Nozzle Adapter
- Replacement Seal
- Shoulder Strap (if applicable to your kit)
- Strainer

- Viscosity Cup



*Image 1: The Fengda BD-130 Double-Action Airbrush. This image displays the main airbrush unit with its gravity-feed cup and trigger mechanism.*

## 4. Setup Instructions

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect the airbrush for any visible damage.
2. **Connect Air Source:** Attach your air hose (not included) to the air inlet on the bottom of the airbrush handle. Ensure a secure, airtight connection.
3. **Prepare Paint:** Mix your chosen paint to the appropriate consistency for airbrushing. Use the viscosity cup to check the paint's flow. Thin paint as necessary with the recommended thinner for your paint type.
4. **Fill Paint Cup:** Carefully pour the prepared paint into the gravity-feed cup located on top of the airbrush. Do not overfill.
5. **Test Air Flow:** Before applying paint, connect the airbrush to your compressor and test the air flow by pressing down on the trigger. Ensure a steady stream of air.

## 5. Operating Instructions

The Fengda BD-130 is a double-action airbrush, meaning the trigger controls both air and paint flow independently.

1. **Air Control:** Press the trigger straight down to release air. The further you press, the more air flows.
2. **Paint Control:** While holding the trigger down for air, pull the trigger back to release paint. The further you pull back, the more paint flows.
3. **Spraying Technique:** Practice on a scrap surface to get a feel for the airbrush. Always start air flow before paint flow, and stop paint flow before air flow. This prevents paint from splattering or drying on the needle tip.
4. **Distance and Pressure:** Adjust your distance from the surface and air pressure to achieve desired effects. Closer distances and lower pressure create finer lines; further distances and higher pressure create broader sprays.

## 6. Maintenance and Cleaning

Proper cleaning is crucial for the longevity and performance of your airbrush.

1. **Immediate Cleaning:** After each use, especially when changing colors or finishing a session, empty any remaining paint from the cup.

2. **Flush with Cleaner:** Pour appropriate airbrush cleaner or thinner (compatible with your paint type) into the paint cup. Spray it through the airbrush until the spray runs clear.
3. **Back-Flush:** Place your finger over the nozzle cap and press the trigger for air, then pull back for paint. This will force air back into the paint cup, creating bubbles that help clean the cup and internal passages.
4. **Disassembly for Deep Cleaning:** Periodically, or if clogging occurs, disassemble the airbrush. Carefully remove the needle, nozzle, and nozzle cap. Clean each component thoroughly with a soft brush and cleaner. Be extremely gentle with the needle and nozzle as they are delicate.
5. **Lubrication:** After cleaning and reassembly, apply a tiny drop of the provided gun lubricant to the needle packing and trigger mechanism to ensure smooth operation.
6. **Reassembly:** Reassemble the airbrush carefully, ensuring all parts are correctly seated and tightened. Do not overtighten.

## 7. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| No paint flow | Clogged nozzle/needle, paint too thick, needle not pulled back | Clean nozzle/needle, thin paint, pull trigger back further |
| Uneven spray pattern | Damaged nozzle, partially clogged, bent needle | Inspect/replace nozzle, clean thoroughly, straighten/replace needle |
| Air bubbles in paint cup | Loose nozzle, cracked nozzle, dirty nozzle seat | Tighten nozzle, replace nozzle, clean nozzle seat |
| No air flow | Air hose disconnected, compressor off, air valve stuck | Check connections, turn on compressor, clean/lubricate air valve |
| Paint leaks from front | Loose nozzle cap, damaged nozzle, bent needle | Tighten cap, replace nozzle, straighten/replace needle |

## 8. Product Specifications

| Feature | Detail |
|---|---|
| Brand | Airbrush Fengda |
| Model | BD-130 |
| Nozzle Diameter | 0.2 mm |
| Feed Type | Gravity Feed |
| Cup Capacity | 7 CC |
| Working Pressure | 15-50 PSI (approximate, depends on application) |
| Material | Stainless Steel |
| Style | Gun |
| Power Source | Air Powered |

| Feature | Detail |
| --- | --- |
| Item Model Number | fen-BD130-020 |
| UPC | 734872115158 |




*Image 2: Packaging for the Fengda Airbrush Kit. This image shows the product box, which lists some key specifications such as feed type, nozzle diameter, cup capacity, and working pressure. Note: The nozzle diameter on the box may vary from the specific product title.*

## 9. Warranty Information

Specific warranty details for the Fengda BD-130 Airbrush may vary by region and retailer. Please retain your proof of purchase. For information regarding warranty coverage, terms, and conditions, please refer to the documentation provided at the time of purchase or contact the seller directly.

## 10. Customer Support

If you encounter any issues not covered in this manual or require further assistance, please contact the seller or manufacturer's customer support. Provide your product model number (BD-130) and a detailed description of the problem to facilitate a quicker resolution.

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