

## F2C TC-100

# F2C TC-100 Dual Action Mini Air Compressor Airbrush Kit User Manual

## INTRODUCTION

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This manual provides instructions for the safe and effective use of your F2C TC-100 Dual Action Mini Air Compressor Airbrush Kit. This compact and lightweight system is designed for various applications including art painting, tattoo art, manicures, craft projects, cake decoration, and model spraying. Please read this manual thoroughly before initial use and retain it for future reference.

## PRODUCT COMPONENTS

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The F2C TC-100 kit includes the following components:

- TC-100 Mini Air Compressor
- Dual-Action Gravity Feed Airbrush (0.4 mm Needle/Nozzle, 7cc Fluid Cup)
- Air Hose
- Power Adapter
- Dropper
- Small Wrench



Image: All components of the F2C TC-100 Airbrush Kit, including the mini compressor, airbrush, hose, power adapter, dropper, and wrench.

## SAFETY INFORMATION

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Observe the following safety precautions to prevent injury or damage to the product:

- Always ensure the power adapter is disconnected from the electrical outlet before assembling, disassembling, or cleaning the unit.
- Use only the provided power adapter.
- Do not operate the compressor in wet conditions or near water.
- Ensure adequate ventilation when using paints and cleaning solutions.
- Wear appropriate personal protective equipment, such as a respirator and safety glasses, when airbrushing.
- Keep the airbrush and compressor out of reach of children.
- Never point the airbrush at yourself or others.

## SETUP INSTRUCTIONS

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Follow these steps to set up your F2C TC-100 Airbrush Kit:

1. **Unpack Components:** Carefully remove all items from the packaging.
2. **Connect Air Hose to Compressor:** Screw one end of the air hose securely onto the air outlet port of the mini compressor.
3. **Connect Air Hose to Airbrush:** Screw the other end of the air hose securely onto the air inlet of the airbrush.
4. **Connect Power:** Insert the power adapter cable into the power input port on the compressor. Plug the power adapter into a standard 110V electrical outlet.



Image: The F2C TC-100 Mini Air Compressor with the air hose connected to the airbrush and the power adapter plugged in.

## OPERATING INSTRUCTIONS

Once assembled, you can begin using your airbrush kit:

1. **Power On:** Press the red power button on the compressor to turn it on. The compressor will begin to run.
2. **Prepare Paint:** For optimal performance with this mini compressor, it is often necessary to thin your paint more than you would for a more powerful compressor. Test paint consistency on a scrap surface before applying to your project.
3. **Fill Fluid Cup:** Use the dropper to carefully fill the 7cc gravity fluid cup on the airbrush with your

prepared paint. Do not overfill.

4. **Adjust Air Pressure:** The compressor features an adjuster knob. Rotate this knob to achieve the desired air pressure. You will need to use 'feel' to find the correct pressure for your specific paint and application.
5. **Dual-Action Operation:**
  - Pressing the trigger down releases air.
  - Pulling the trigger back controls the amount of paint released.
  - Practice controlling both actions simultaneously to achieve desired spray patterns and effects.
6. **Begin Spraying:** Start spraying on a test surface to verify paint flow and pattern before moving to your actual project. The variable speed of the compressor allows for fine manipulation of inks and paints.
7. **Power Off:** When finished, press the red power button to turn off the compressor.

## MAINTENANCE AND CLEANING

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Proper cleaning after each use is crucial for the longevity and performance of your airbrush kit:

1. **Empty Fluid Cup:** Pour any remaining paint from the fluid cup.
2. **Flush with Cleaner:** Add appropriate airbrush cleaner or water (depending on paint type) to the fluid cup and spray it through the airbrush until the spray runs clear. Repeat as necessary.
3. **Clean Fluid Cup:** Use a brush or cotton swab to clean the inside of the fluid cup thoroughly.
4. **Disassemble Airbrush (for deep cleaning):** For thorough cleaning, carefully disassemble the airbrush. Refer to the airbrush diagram for component identification.
5. **Clean Needle and Nozzle:** Pay special attention to the needle and nozzle. **Caution:** When removing the nozzle to clean, be extremely careful not to touch or bend the needle. Pull back the trigger to hide the needle when cleaning the exposed tip. Use specialized airbrush cleaning brushes for small parts.
6. **Reassemble:** Once all parts are clean and dry, carefully reassemble the airbrush.
7. **Compressor Care:** The compressor requires minimal maintenance. Keep it clean and free of dust. Ensure air vents are not obstructed.



Image: A close-up view of the dual-action airbrush, showing the fluid cup, trigger, and nozzle area, along with a dropper and wrench for maintenance.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No air or weak air flow from airbrush	<ul style="list-style-type: none"><li>• Air hose not securely connected</li><li>• Compressor not powered on</li><li>• Airbrush clogged</li></ul>	<ul style="list-style-type: none"><li>• Check all air hose connections</li><li>• Ensure compressor is powered on and running</li><li>• Clean airbrush nozzle and needle</li></ul>
Paint not spraying or inconsistent spray	<ul style="list-style-type: none"><li>• Paint too thick</li><li>• Airbrush clogged (nozzle, needle, or fluid cup)</li><li>• Insufficient air pressure</li><li>• Bent or damaged needle/nozzle</li></ul>	<ul style="list-style-type: none"><li>• Thin paint further</li><li>• Thoroughly clean airbrush components</li><li>• Adjust compressor pressure knob</li><li>• Inspect needle/nozzle for damage; replace if necessary</li></ul>
Compressor is loud or vibrates excessively	<ul style="list-style-type: none"><li>• Normal operation noise</li><li>• Unit not on a stable surface</li></ul>	<ul style="list-style-type: none"><li>• Ensure unit is on a flat, stable surface</li><li>• Consider placing on a vibration-dampening mat</li></ul>
Trigger stuck or difficult to move	<ul style="list-style-type: none"><li>• Dried paint in mechanism</li><li>• Bent needle</li></ul>	<ul style="list-style-type: none"><li>• Disassemble and thoroughly clean the airbrush mechanism</li><li>• Inspect needle for bends; straighten carefully or replace</li></ul>

## SPECIFICATIONS

Feature	Specification
Model Name	TC-100
Brand	F2C
Voltage	110 Volts
Power Source	Corded Electric
Maximum Power	0.2 Horsepower
Airbrush Needle/Nozzle Size	0.4 mm
Fluid Cup Capacity	7 Cubic Centimeters (7cc)
Item Weight	2 Pounds

Feature	Specification
Material	Metal (Airbrush), Plastic (Compressor casing)
Special Features	Lightweight, Portable, Variable Speed

## WARRANTY AND SUPPORT

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F2C is committed to providing quality products. For any questions, concerns, or support needs regarding your TC-100 Airbrush Kit, please contact F2C customer service. Feedback from customers is directly used to optimize products. Please refer to your purchase documentation for specific warranty details and contact information.