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> Master Airbrush Multi-Purpose Airbrushing System Kit with Siphon Feed Dual-Action Airbrush and Pro 1/5 hp Cool Runner II Air Compressor Instruction Manual

Master Airbrush KIT-18

Master Airbrush Multi-Purpose Airbrushing System Kit Instruction Manual

Model: KIT-18

1. INTRODUCTION AND KIT OVERVIEW

This manual provides instructions for the Master Airbrush Multi-Purpose Airbrushing System Kit, Model KIT-18. This kit is designed for various airbrushing applications, including hobbies, crafts, auto graphics, temporary tattoos, cake decorating, fine art, and nail art.

Kit Components

- Model S68 Precision Dual-Action Siphon Feed Airbrush with 0.35 mm fluid tip, 3/4 oz. siphon bottle, and 1/6 oz. color cup.
- Model TC-320 Cool Runner II 1/5 hp Single-Piston Air Compressor with two cooling fans.
- Pressure Regulator with Gauge.
- Water Trap Filter.
- 6-foot Braided Air Hose.
- Dual Airbrush Holder.
- Master Airbrush Quick Start Guide and Airbrush Resource Center Access Card.

BASIC AIRBRUSH KIT

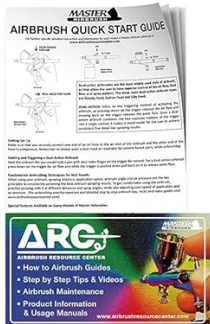


MAS S68



COMPRESSOR MOUNTED
AIRBRUSH
HOLDER

AIRBRUSH QUICK
START GUIDE



TC-320
COMPRESSOR



6 FT
AIR HOSE

Figure 1: Overview of the Master Airbrush Multi-Purpose Airbrushing System Kit, showing the S68 airbrush, TC-320 compressor, air hose, and accessories.

2. ASSEMBLY AND INITIAL SETUP

Carefully unpack all components and inspect for any damage. Ensure all parts listed in the Kit Components section are present before proceeding with assembly.

2.1 Airbrush Assembly (Model S68)

1. Attach the desired fluid cup (3/4 oz. siphon bottle or 1/6 oz. color cup) to the bottom of the airbrush body. Ensure it is securely fastened.
2. Verify the 0.35 mm fluid tip and needle are correctly installed. The needle should move freely when the trigger is pulled back.

MASTER
PERFORMANCE
MULTI-PURPOSE

MODEL S68

0.35 mm Fluid Tip Set



Figure 2: Exploded view of the Model S68 airbrush, illustrating its various parts for assembly and maintenance.

2.2 Compressor Connection (Model TC-320)

1. Place the TC-320 compressor on a stable, level surface with adequate ventilation.
2. Screw the pressure regulator with gauge and water trap filter onto the air outlet port of the compressor. Apply Teflon tape to threads for a secure, airtight seal if needed.
3. Connect one end of the 6-foot braided air hose to the water trap filter outlet.
4. Connect the other end of the air hose to the air inlet of the S68 airbrush.
5. Plug the compressor power cord into a grounded electrical outlet.

COOL RUNNER II

INTEGRATED & HIGH PERFORMANCE
DUAL FAN SYSTEM

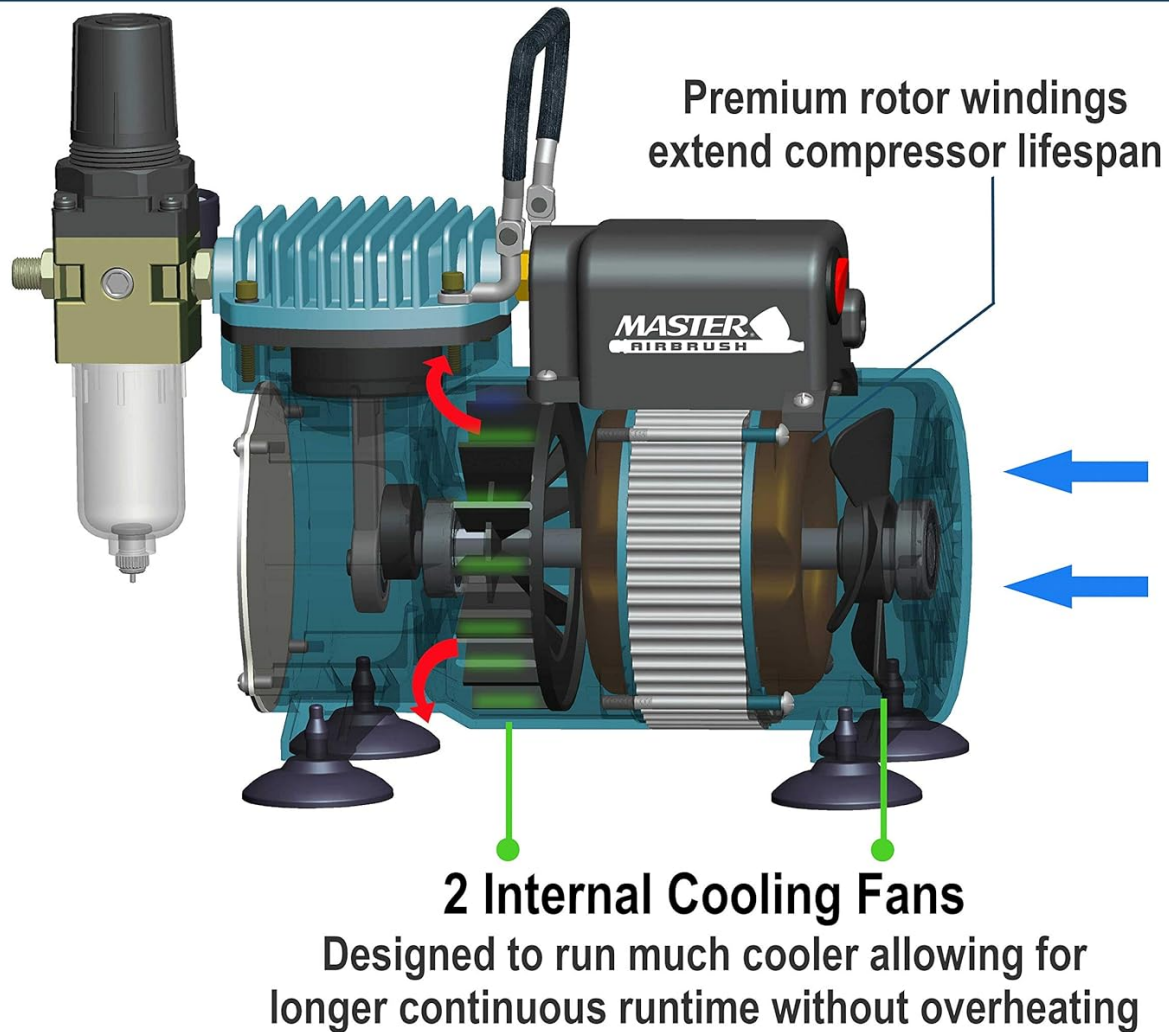


Figure 3: Diagram of the Model TC-320 Cool Runner II air compressor, highlighting its dual cooling fan system for extended operation.

2.3 Dual Airbrush Holder

The dual airbrush holder can be mounted directly onto the compressor for convenient storage and access to your airbrush during use or breaks.

3. OPERATING INSTRUCTIONS

Before operating, ensure you are in a well-ventilated area and wearing appropriate personal protective equipment, such as a respirator and safety glasses.

3.1 Filling the Fluid Cup

1. Prepare your chosen paint or medium according to the manufacturer's instructions, ensuring it is properly thinned for airbrush use.
2. Carefully pour the prepared fluid into the siphon bottle or color cup. Do not overfill.

3.2 Dual-Action Control

The Model S68 is a dual-action airbrush, meaning it controls both air and fluid flow with a single trigger movement:

- **Pressing Down:** Pushing the trigger down releases air.
- **Pulling Back:** Pulling the trigger back (while holding it down) releases fluid. The further back you pull, the more fluid is released.

Practice this motion to achieve smooth transitions between air and paint flow.

3.3 Adjusting Air Pressure

The TC-320 compressor's pressure regulator allows you to adjust the air pressure (PSI) to suit your specific paint and application. Start with a lower PSI (e.g., 15-20 PSI) and gradually increase as needed. The gauge displays the current operating pressure.

3.4 Spraying Techniques

- Always begin by pressing the trigger down for air, then pull back for paint. Release paint first, then air.
- Maintain a consistent distance from your surface. Closer distances produce finer lines, while further distances create broader sprays.
- Move your airbrush in smooth, even strokes to avoid paint buildup or uneven coverage.

4. CLEANING AND MAINTENANCE

Proper cleaning and maintenance are essential for the longevity and optimal performance of your airbrush system.

4.1 Daily Cleaning (After Each Use)

1. Empty any remaining paint from the fluid cup.
2. Add a small amount of appropriate airbrush cleaner or solvent to the cup.
3. Spray the cleaner through the airbrush onto a paper towel or into a cleaning pot until the spray runs clear.
4. Use a cotton swab or brush to clean the inside of the fluid cup.

4.2 Deep Cleaning (Periodically or When Clogged)

1. Disassemble the airbrush components (needle, nozzle, air cap). Refer to Figure 2 for guidance.
2. Soak components in airbrush cleaner.
3. Use specialized airbrush cleaning brushes to remove dried paint from the nozzle, needle cap, and airbrush body.
4. Carefully clean the needle, wiping it from the back towards the tip. Avoid bending the tip.
5. Rinse all components with clean water and allow them to dry completely before reassembly.

4.3 Compressor Maintenance

- Regularly drain any accumulated moisture from the water trap filter by pressing the silver button at the bottom.
- Keep the compressor's air intake vents clear of dust and debris to ensure proper cooling.
- Ensure the air hose connections are tight and free of leaks.

5. TROUBLESHOOTING GUIDE

This section addresses common issues you might encounter with your airbrush system.

Problem	Possible Cause	Solution
No paint flow or inconsistent spray	Clogged nozzle or air cap; dried paint on needle; paint too thick; low air pressure.	Perform deep cleaning of airbrush components. Thin paint appropriately. Increase air pressure.
Air bubbles in fluid cup	Loose nozzle; damaged nozzle; air leak in fluid cup connection.	Tighten nozzle. Inspect nozzle for damage and replace if necessary. Ensure fluid cup is securely attached.
Compressor not building pressure or overheating	Air leaks in connections; blocked air intake; prolonged continuous use.	Check all hose and regulator connections for leaks (use Teflon tape). Ensure air intake is clear. Allow compressor to cool down if used for extended periods.
Regulator not functioning correctly	Faulty regulator; improper installation.	Ensure regulator is securely attached to the compressor with proper sealing. If issues persist, contact customer support.
Styrofoam bits in air hose/airbrush	Packaging residue.	Thoroughly clean out air hose ends and connections to the compressor and airbrush before first use.

6. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	Master Airbrush
Model Number	KIT-18
Airbrush Model	S68 Dual-Action Siphon Feed
Airbrush Tip Size	0.35 mm
Fluid Cup Capacity	3/4 oz. (siphon bottle), 1/6 oz. (color cup)
Compressor Model	TC-320 Cool Runner II
Compressor Horsepower	1/5 hp (0.2 Horsepower)
Air Flow Capacity	25 Liters Per Minute
Noise Level	59 Decibels
Hose Length	6 Feet
Item Weight	9.8 Pounds
UPC	844825085060

7. WARRANTY AND CUSTOMER SUPPORT

Master Airbrush is dedicated to customer satisfaction. For specific warranty details, please refer to the documentation included with your product or contact customer support directly.

Customer Support

For assistance, technical support, or to access additional resources, please use the contact information provided on your Airbrush Resource Center Access Card:

Phone: (888) 909-2110

Email: support@tcpglobal.com

Website: www.airbrushresourcecenter.com

AIRBRUSH QUICK START USER GUIDE

MASTER AIRBRUSH

AIRBRUSH QUICK START GUIDE

For further specific detailed instructions and information for each model of Master Airbrush, please go to www.airbrushresourcecenter.com

PUSH DOWN FOR AIR

PULL BACK FOR FLUID

DUAL-ACTION Gravity Feed

DUAL-ACTION Siphon Feed

DUAL-ACTION Side Feed

Dual-action airbrushes are the most widely used style of airbrush, as they allow the user to have superior control of the air flow, fluid flow and spray pattern. The three main dual-action airbrush types are Gravity Feed, Siphon Feed and Side Feed.

DUAL-ACTION refers to the triggering method of activating the airbrush, as pressing down on the trigger releases the air flow and drawing back on the trigger releases the paint flow. Since a dual-action airbrush combines the two separate motions of the trigger into a single control, it makes it much easier for the user to achieve consistent fine detail line spraying results.

Getting Set Up
Make sure that you securely connect one end of an air hose to the air inlet of the airbrush and the other end of the hose to compressor. Remember to always wear a dust mask or respirator for solvent based paint, while airbrushing.

Holding and Triggering a Dual-Action Airbrush
Hold the airbrush like you would hold a pen with your index finger on the trigger for control. For a dual action airbrush press down on the trigger for air flow and while the trigger is pushed down pull back on it to release paint flow.

Fundamental Airbrushing Techniques for Best Results
When using your airbrush, spraying distance, application speed, airbrush angle and air pressure are the key principles to consistently achieving the best airbrush spraying results. To get comfortable using the airbrush, practice spraying with it at different distances and spray angles, while also adjusting your speed of application and air pressure. (For airbrushing practice exercises and detailed step by step airbrush tips, tricks and video guides visit www.airbrushresourcecenter.com)

Special Features Available on Some Models of Master Airbrushes

A. Quick Flush Outway Handle
The outway handle allows you to pull the needle chucking nut back to quickly flush and clean air passages within the airbrush.

B. Preset Knob Handle
The handles preset fluid control knob allows you to set the limit on the travel distance of the airbrush trigger. This enables complete control of paint flow, so you can spray consistent repeatable lines.

C. Micro Airflow Adjustment Control Valve
A specialized air control valve at the head of the airbrush that can be adjusted to lower the air flow (psi), which enables accurate micro fine spray control.

AIRBRUSH RESOURCE CENTER ACCESS CARD

ARC

AIRBRUSH RESOURCE CENTER

- How to Airbrush Guides
- Step by Step Tips & Videos
- Airbrush Maintenance
- Product Information & Usage Manuals

www.airbrushresourcecenter.com

FOR SUPPORT

Call: (858) 909-2110 Email: support@tcpglobal.com

Figure 4: Master Airbrush Quick Start Guide and Airbrush Resource Center Access Card, providing essential information and support contacts.