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› MEEDEN Airbrush Compressor Kit AC100 User Manual

MEEDEN AC100

MEEDEN Airbrush Compressor Kit AC100 User Manual

Model: AC100

1. INTRODUCTION

Thank you for choosing the MEEDEN Airbrush Compressor Kit. This comprehensive kit is designed for various artistic applications, including art painting, hobby crafts, and model coloring. It features an extra-quiet compressor, three dual-action airbrushes, a 24-color paint set, and a complete cleaning kit. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your airbrush system.

2. SAFETY INFORMATION

- Always operate the compressor in a well-ventilated area.
- Ensure the power supply matches the compressor's voltage requirements (240 Volts).
- Do not use the airbrush system near flammable liquids or gases.
- Wear appropriate personal protective equipment, including eye protection and a respirator, especially when spraying paints.
- Keep the equipment out of reach of children.
- Disconnect the power supply before performing any maintenance or cleaning.
- The included paints are water-based and non-toxic, but are not intended for body, nail, or food application.

3. PACKAGE CONTENTS

Your MEEDEN Airbrush Compressor Kit includes the following components:

- MEEDEN AC100 Air Compressor
- 3 Dual-Action Airbrushes (Gravity Feed AR35 0.5mm, Gravity Feed AR30 0.25mm, Siphon Feed AR28 0.35mm)
- 24-Color Airbrush Paint Set (30ml/1oz bottles)
- 1/8" Airbrush Hose
- Air Filter
- Airbrush Cleaning Pot (Model MB-77A)

- Cleaning Brushes and Stainless Steel Needle Tool Set
- Droppers
- Watering Sprayer
- Color Wheel
- Power Adapter



NEWEST AIRBRUSH COMPRESSOR PAINT KIT

1/6HP POWERFUL NEWEST COMPRESSOR
MULTI-PURPOSE FOR 0.2-1MM AIRBRUSH

3 PCS PRE-EQUIPPED
AIRBRUSH 0.25/0.35/0.5MM

24 COLORS AIRBRUSH PAINT

COMPLETE CLEANING KIT

Image 3.1: Overview of the MEEDEN Airbrush Compressor Kit components.

4. PRODUCT OVERVIEW

4.1. MEEDEN AC100 Air Compressor

The AC100 compressor is designed for quiet and efficient operation, featuring an oil-less piston type motor. It includes an automatic start and stop function to prolong motor life and prevent overheating.

- **Power:** 1/6 HP (0.17 Horsepower)
- **Pressure Range:** 0-57 PSI (adjustable)
- **Airflow:** 28 L/min
- **Noise Level:** Approximately 40 dB
- **Features:** Automatic Shut-Off, Thermal Overload Protection, Portable Handle
- **Weight:** 2.5 kg (6 Kilograms for the entire kit)

DUAL-ACTION AIRBRUSH NEEDLE SIZE IN 0.5mm,0.35mm,0.25mm



Image 4.1: Front and rear view of the MEEDEN AC100 Air Compressor, showing the pressure gauge and power switch.

4.2. Dual-Action Airbrushes

The kit includes three versatile dual-action airbrushes, allowing for precise control over both air and paint flow.

- **Gravity Feed Airbrush (AR35):** 0.5mm needle tip, 7cc fluid cup. Ideal for general purpose spraying and larger areas.
- **Gravity Feed Airbrush (AR30):** 0.25mm needle tip, 2cc fluid cup. Suitable for fine detail work.
- **Siphon Feed Airbrush (AR28):** 0.35mm needle tip, 5-22cc fluid capacity with 5 glass bottles. Good for larger volumes of paint and broader coverage.



Image 4.2: The three dual-action airbrushes included in the kit, featuring various needle sizes and feed types.

4.3. 24-Color Airbrush Paints

A set of 24 vibrant, water-based, and non-toxic airbrush paints is included. These paints are formulated for smooth application and are ready to spray.

- **Quantity:** 24 colors
- **Volume:** 30ml (1oz) per bottle
- **Type:** Water-based, non-toxic
- **Note:** Not for use on body, nails, or food. Shake well before use. Close the cover to prevent drying.



Image 4.3: The 24-color airbrush paint set, ready for use with the airbrush system.

4.4. Cleaning Kit

Proper cleaning is crucial for maintaining your airbrush equipment. The kit provides essential tools for thorough cleaning.

- **Airbrush Cleaning Pot (Model MB-77A):** For safely flushing paint and cleaning airbrushes.
- **Cleaning Brushes:** Various sizes for internal airbrush components.
- **Stainless Steel Needle Tool Set:** For clearing clogs and fine cleaning.
- **Droppers:** For precise paint mixing and solvent application.
- **Watering Sprayer:** For general cleaning or thinning.



Image 4.4: The airbrush cleaning pot and various cleaning tools included in the kit.

5. SETUP

1. **Unpack Components:** Carefully remove all items from the packaging and inspect for any damage.
2. **Position Compressor:** Place the AC100 compressor on a stable, flat surface in a well-ventilated area. Ensure adequate space around the unit for airflow.
3. **Connect Air Hose:** Screw one end of the 1/8" airbrush hose to the air outlet on the compressor. Ensure a snug fit to prevent air leaks.
4. **Attach Airbrush:** Connect the other end of the airbrush hose to the air inlet of your chosen dual-action airbrush.
5. **Install Air Filter:** If not pre-installed, attach the air filter to the compressor's air outlet before connecting the hose. This helps remove moisture and particles from the air.
6. **Connect Power:** Plug the power adapter into the compressor's power jack, then plug the adapter into a suitable electrical outlet.
7. **Prepare Paint:** Shake the desired airbrush paint bottle thoroughly. Use a dropper to transfer a small amount of paint into the airbrush's fluid cup. If the paint is too thick, thin it with appropriate airbrush reducer or distilled water according to paint manufacturer instructions.

6. OPERATING INSTRUCTIONS

1. **Power On:** Flip the On/Off switch on the compressor to the 'On' position. The compressor will start and build pressure, then automatically shut off once maximum pressure is reached.
2. **Adjust Pressure:** Use the pressure adjustor knob on the compressor to set the desired air pressure. Observe the air pressure gauge for readings.
3. **Test Spray:** Before applying to your project, perform a test spray on a scrap piece of material to check paint consistency and air pressure.
4. **Basic Airbrushing Technique:**

- Hold the airbrush approximately 2-6 inches from the surface.
- Press down on the trigger to release air.
- Pull back on the trigger to release paint. The further back you pull, the more paint will be released.
- Move the airbrush in smooth, even strokes.
- Release the paint trigger before releasing the air trigger to prevent paint buildup in the nozzle.

5. **Applications:** This kit is suitable for various applications including T-shirt decoration, model coloring, fine art painting, and customizing shoes.



Image 6.1: Examples of creative applications for the MEEDEN Airbrush Kit.

7. MAINTENANCE

7.1. Airbrush Cleaning (After Each Use)

1. **Empty Paint:** Pour any remaining paint from the fluid cup back into its bottle.
2. **Flush with Cleaner:** Add a few drops of airbrush cleaner or distilled water to the fluid cup. Spray through the airbrush into the cleaning pot until the spray runs clear.
3. **Back-Flush:** For gravity feed airbrushes, cover the nozzle with your finger or a cap and pull back the trigger. This will force air back into the cup, bubbling and cleaning the inside.
4. **Disassemble (Periodically):** For a deeper clean, carefully disassemble the airbrush (needle, nozzle, cap). Use the provided cleaning brushes and needle tools with cleaner to remove any dried paint.
5. **Reassemble:** Reassemble the airbrush carefully, ensuring all parts are correctly seated.



Image 7.1: The airbrush cleaning pot and specialized tools for thorough maintenance.

7.2. Compressor Maintenance

- **Air Filter:** Regularly check the air filter for accumulated moisture or debris. Drain any moisture from the filter bowl if present. Replace the filter element if it becomes excessively dirty or clogged.
- **Exterior Cleaning:** Wipe down the compressor's exterior with a damp cloth. Do not use harsh chemicals or immerse the unit in water.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No air from airbrush	Compressor off; hose disconnected; airbrush clogged	Check power; reconnect hose; clean airbrush nozzle/needle
Paint not spraying or sputtering	Paint too thick; clogged nozzle; low air pressure; bent needle	Thin paint; clean airbrush; increase pressure; inspect/replace needle
Compressor runs continuously or overheats	Air leak in system; prolonged use; blocked ventilation	Check hose connections; allow compressor to cool; ensure clear vents
Uneven spray pattern	Dirty nozzle/needle; damaged nozzle; inconsistent paint flow	Thoroughly clean airbrush; replace damaged parts; adjust paint thinning

9. SPECIFICATIONS

- **Brand:** MEEDEN
- **Model Name:** AC100
- **Voltage:** 240 Volts
- **Power Source:** Corded Electric
- **Motor Horsepower:** 0.17 HP (1/6 HP)
- **Noise Level:** 40 Decibels
- **Maximum Pressure:** 57 PSI
- **Airflow:** 28 L/min
- **Item Weight (Kit):** 6 Kilograms
- **Material Type:** Stainless Steel (for airbrushes)
- **Additional Features:** Automatic Shut-Off, Portable

10. WARRANTY AND SUPPORT

MEEDEN products are manufactured to high-quality standards. For warranty information or technical support, please refer to the documentation included with your purchase or contact MEEDEN customer service through their official channels. Keep your purchase receipt as proof of purchase for any warranty claims.