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› MEEDEN MD-AC300H Airbrush Kit with Air Compressor User Manual

## MEEDEN MD-AC300H

# MEEDEN MD-AC300H Airbrush Kit with Air Compressor User Manual

Model: MD-AC300H

## 1. PRODUCT OVERVIEW

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The MEEDEN MD-AC300H Airbrush Kit is a comprehensive set designed for various artistic and crafting applications. It includes a portable mini air compressor, a dual-action airbrush, a set of 12 acrylic paints, and essential cleaning tools.



Image 1.1: Complete MEEDEN MD-AC300H Airbrush Kit with air compressor and airbrush.

## Key Components:

- **Dual-Action Airbrush:** Crafted from metal with an ergonomic handle. Features a dual-action trigger for precise control over air and paint flow.
- **Portable Mini Compressor:** Compact and lightweight, offering adjustable pressure up to 25 PSI and an airflow of 10.5 L/min. Includes automatic pressure regulation, silent operation, and thermal protection.
- **12 Colors Acrylic Paint:** High-quality, water-based acrylic pigments with fine particles to prevent clogging. Easily cleaned with water and soap.
- **Accessories:** Quick-connect fitting, airbrush stand, 7cc capacity liquid cup, dedicated cleaning brushes, drip tube, wrench, and AC power adapter.

**MEEDEN**<sup>®</sup>

## MINI AIRBRUSH COMPRESSOR KIT WITH 12 AIRBRUSH PAINTS



MINI PORTABLE AIRBRUSH COMPRESSOR

AR30 SUPERIOR PERFORMANCE  
DUAL-ACTION AIRBRUSH

12 COLORS × (30ML/1OZ)

5 PCS STAINLESS STEEL  
NEEDLE TOOL SET  
5 PCS NYLON BRUSH SET  
25 PCS DROPPERS  
1 PC MIXING WHEEL

Image 1.2: Visual overview of the airbrush kit components including the compressor, airbrush, paints, and accessories.

## 2. SETUP INSTRUCTIONS

Follow these steps to set up your MEEDEN Airbrush Kit for first use.

### 2.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect all parts for any signs of damage. If any components are damaged, do not proceed with setup and contact customer support.
3. Ensure all listed components are present: air compressor, airbrush, air hose, AC power adapter, 12 acrylic paints, cleaning brushes, droppers, and wrench.



Image 2.1: Included accessories such as cleaning tools, droppers, power adapter, and air hose.

## 2.2 Assembly

1. Place the air compressor on a stable, flat surface.
2. Connect one end of the air hose to the air outlet on the compressor. Ensure it is securely tightened.
3. Connect the other end of the air hose to the air inlet on the airbrush. Tighten securely.
4. Attach the airbrush stand to the top of the compressor, if desired, for convenient airbrush placement during use.
5. Connect the AC power adapter to the compressor's power input, then plug the adapter into a suitable electrical outlet.



Image 2.2: The mini portable airbrush compressor with the airbrush connected, showing the airflow control knob and swivel holder.

## 2.3 Paint Preparation

1. Shake the desired paint bottle well before use to ensure proper pigment mixing.
2. If the paint is too thick, dilute it with a small amount of water. The ideal consistency should be similar to milk.
3. Use a dropper to carefully transfer the prepared paint into the 7cc gravity liquid cup of the airbrush. Do not overfill.



Image 2.3: The 12-color acrylic airbrush paint set, ready for use.

### 3. OPERATING INSTRUCTIONS

This section details how to operate your MEEDEN Airbrush Kit effectively.

#### 3.1 Powering On and Airflow Control

1. Press the power button on the air compressor to turn it on. The compressor will automatically regulate pressure up to 25 PSI.
2. The compressor features an airflow control knob. Turn this knob to adjust the air pressure according to your project's requirements.

#### 3.2 Using the Dual-Action Airbrush

1. Hold the airbrush comfortably in your hand.
2. To release air only, press the trigger down. This is useful for drying or clearing the nozzle.
3. To spray paint, pull the trigger back while it is pressed down. The further you pull the trigger, the more paint will be released.
4. Practice on a scrap surface to get a feel for the airbrush's control and paint flow before working on your main project.

# AR30 SUPERIOR PERFORMANCE DUAL-ACTION AIRBRUSH



## GRAVITY FEED

Gravity-feed airbrushes perform well at lower air pressures, which help create better detail. Cup is designed with a funnel shape, which makes for easy clean-up and more efficient paint flow.

Working Pressure: 15-50PSI  
Fluid Cup Capacity: 7cc  
Needle Size: 0.5mm

Image 3.1: Detailed view of the AR30 dual-action airbrush, highlighting its gravity feed design and trigger mechanism.

## 3.3 Application Tips

- Maintain a consistent distance from your working surface for even coverage.
- Move the airbrush in smooth, even strokes.
- For fine lines, reduce paint flow and move closer to the surface. For broader coverage, increase paint flow and move further away.
- The kit is suitable for painting, model coloring, wall graffiti, nail design, artistic painting, and cake decoration. Note: The included paints are not for food or body/nail coloring.



## MULTI PURPOSE

A great all-purpose airbrush gun for beginners, students, and advanced artists, ideal for hobbies, crafts, auto graphics, temporary tattoos, cake decorating, fine art, nail art, and more!

Image 3.2: Examples of multi-purpose applications for the airbrush kit.

## 4. MAINTENANCE AND CLEANING

Proper maintenance ensures the longevity and optimal performance of your airbrush kit.

### 4.1 Cleaning After Each Use

1. Empty any remaining paint from the gravity cup.
2. Add a small amount of clean water (or appropriate airbrush cleaner for non-water-based paints) to the cup.
3. Spray the water through the airbrush until it runs clear.
4. Use the provided cleaning brushes to clean the inside of the paint cup and the nozzle area.

5. For thorough cleaning, carefully disassemble the airbrush nozzle and needle components as per the included user manual and clean them with the specialized brushes.
6. Reassemble the airbrush components carefully.



Image 4.1: A hand holding the MEEDEN airbrush compressor and airbrush, illustrating its portable size.

## 4.2 Paint Storage

- Always secure the bottle caps of the acrylic paints tightly after use to prevent them from drying out.
- Store paints in a cool, dry place away from direct sunlight.

## 5. TROUBLESHOOTING

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

## 5.1 No Airflow from Compressor

- **Check Power:** Ensure the compressor is plugged in and the power button is on.
- **Thermal Protection:** If the compressor has been running for an extended period (e.g., over 30 minutes), it might have activated its thermal protection system. Turn it off, let it cool down for 10-15 minutes, then restart.
- **Hose Connection:** Verify that the air hose is securely connected to both the compressor and the airbrush.

## 5.2 No Paint Spraying or Intermittent Spray

- **Clogged Nozzle:** The most common issue. Thoroughly clean the airbrush nozzle and needle using the provided cleaning tools and appropriate cleaner.
- **Paint Consistency:** The paint might be too thick. Dilute it with water until it reaches a milk-like consistency.
- **Empty Paint Cup:** Ensure there is enough paint in the gravity cup.
- **Airbrush Assembly:** Check if all airbrush components (needle, nozzle, cap) are correctly assembled and tightened.

## 5.3 Uneven Spray Pattern

- **Dirty Nozzle/Needle:** Clean the airbrush thoroughly.
- **Paint Consistency:** Adjust paint dilution.
- **Air Pressure:** Adjust the air pressure on the compressor.

## 6. SPECIFICATIONS

Detailed technical specifications for the MEEDEN MD-AC300H Airbrush Kit.

Feature	Specification
Brand	MEEDEN
Model Number	MD-AC300H
Power Source	Corded Electric
Voltage	240 Volts (AC Adapter: 110-120V/60HZ, 1.6 A)
Noise Level	12 Decibels
Air Flow Capacity	10.5 Liters Per Minute
Maximum Pressure	25 PSI (Auto Stop)
Working Pressure	2-15 PSI
Airbrush Nozzle Size	0.5mm
Airbrush Cup Capacity	7cc
Hose Length	5.9 Feet
Compressor Dimensions (L x W x H)	4.1" x 4.1" x 2.2"

Feature	Specification
Item Weight	2 Kilograms
Material Type	Plastic (Compressor)
Recommended Uses	Indoor/Outdoor Painting, Model Making, DIY, Nail Art

## 7. WARRANTY AND SUPPORT

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For warranty information or technical support, please contact MEEDEN customer service. You can find more information and contact details on the official MEEDEN website: [www.meeden.art](http://www.meeden.art).