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> [QLWAHK 1/6HP Mini Airbrush Compressor with 3L Air Tank \(110V\) Instruction Manual](#)

QLWAHK MS186

QLWAHK 1/6HP Mini Airbrush Compressor with 3L Air Tank (110V)

Model: MS186 | Brand: QLWAHK

INTRODUCTION

Thank you for choosing the QLWAHK 1/6HP Mini Airbrush Compressor. This instruction manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new airbrush compressor. Please read this manual thoroughly before initial use and retain it for future reference.

This compressor is designed for various airbrushing applications, offering consistent air pressure and strong airflow for detailed work.

SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the equipment:

- Ensure the compressor is connected to a grounded power outlet with the correct voltage (110V for this model).
- Do not operate the compressor in wet or damp conditions. Keep it away from water.
- Never direct the air stream at people or animals.
- Always wear appropriate personal protective equipment, such as safety glasses, when operating the airbrush.
- Disconnect the power supply before performing any maintenance or cleaning.
- Do not modify the compressor or its components. Use only original replacement parts.
- Keep children and unauthorized persons away from the operating area.
- Ensure adequate ventilation when using the compressor, especially when spraying paints or chemicals.

PACKAGE CONTENTS

Please check the package contents upon receipt to ensure all items are present and undamaged:

- QLWAHK 1/6HP Mini Airbrush Compressor with 3L Air Tank
- Airbrush (if included in your specific kit)
- Air Hose
- Airbrush Holder

- Instruction Manual (this document)

PRODUCT OVERVIEW

Familiarize yourself with the main components of your airbrush compressor system.



Figure 1: The QLWAHK 1/6HP Mini Airbrush Compressor main unit. This image shows the compact design of the compressor, including the motor housing, air tank, pressure gauge, and air filter/moisture trap.



Figure 2: Complete airbrush compressor setup with airbrush and hose connected. This illustrates how the airbrush and hose connect to the compressor's air outlet, ready for operation.



Figure 3: A typical gravity-feed airbrush. This image highlights the design of a common airbrush, showing the paint cup, trigger, and nozzle assembly.



Figure 4: Dual airbrush holder stand. This accessory provides a convenient and secure place to rest two airbrushes when not in use or during color changes.



Figure 5: Braided air hose. This durable hose connects the airbrush to the compressor, delivering compressed air for spraying.

SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Placement:** Place the compressor on a stable, level surface in a well-ventilated area. Ensure there is sufficient space around the unit for air circulation.
3. **Connect Air Hose:** Connect one end of the air hose to the air outlet on the compressor (typically 1/8 BSPM connection). Tighten securely by hand, then gently with a wrench if necessary, to prevent air leaks.
4. **Connect Airbrush:** Connect the other end of the air hose to your airbrush. Ensure a secure connection.
5. **Power Connection:** Plug the power cord into a grounded 110V AC electrical outlet.

OPERATING INSTRUCTIONS

1. **Power On:** Flip the power switch on the compressor to the 'ON' position. The compressor will start to fill the air tank.
2. **Automatic Shut-off:** The compressor is equipped with an auto-stop function. It will automatically shut off when the pressure reaches approximately 4 bar (58 PSI) and restart when the pressure drops to approximately 3 bar (43 PSI). This maintains consistent pressure and reduces motor wear.

3. **Pressure Adjustment:** The compressor features a pressure regulator. Turn the knob on the regulator to adjust the output air pressure to your desired setting. The pressure gauge will display the current output pressure.
4. **Airbrush Operation:** Fill your airbrush cup with the desired medium. Follow your airbrush's specific instructions for spraying.
5. **Power Off:** When finished, turn the power switch to the 'OFF' position and disconnect the power cord from the outlet.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your compressor.

- **Drain Moisture:** The compressor's air tank will accumulate moisture. Regularly drain the moisture from the tank by opening the drain valve (usually located at the bottom of the tank) after each use or as needed.
- **Clean Air Filter/Moisture Trap:** Periodically check and clean the air filter and moisture trap. The transparent bowl of the moisture trap allows you to see accumulated water. Unscrew the bowl, empty the water, and clean the filter element if necessary.
- **Airbrush Cleaning:** Always clean your airbrush thoroughly after each use to prevent clogging and ensure proper function.
- **Storage:** Store the compressor in a clean, dry, and dust-free environment when not in use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not start	No power supply; Power switch off; Thermal overload activated	Check power cord and outlet; Turn power switch on; Allow compressor to cool down
Low or no air pressure	Air leaks in connections; Regulator set too low; Clogged airbrush; Moisture trap full	Check all connections for tightness; Adjust pressure regulator; Clean airbrush; Drain moisture trap
Compressor runs continuously	Air leak in system; Auto-stop function malfunction	Check all connections for leaks; Contact customer support if auto-stop fails
Excessive noise or vibration	Loose components; Compressor not on a stable surface	Check for loose screws; Ensure compressor is on a stable, level surface

SPECIFICATIONS

Parameter	Value
Model Number	MS186
Voltage	110V/60Hz (for this model)
Power	1/6 HP
Air Flow	20-23 L/min

Parameter	Value
Air Tank Capacity	3 L
Auto Stop Pressure	4 bar (58 PSI)
Auto Start Pressure	3 bar (43 PSI)
Noise Level	~50 dB
Connections	1/8 BSPM
Material	Aluminium + Copper + Steel
Power Cable Length	Approx. 1.6 m (6.ft)
Item Size (L*W*H)	320 * 140 * 310 mm
Item Weight	4.8 kg

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

If you encounter any issues not covered in the troubleshooting section, please reach out to QLWAHK customer service for assistance.