

Fengda AS18B

Fengda AS18B Airbrush Compressor Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your Fengda AS18B Airbrush Compressor. Please read these instructions carefully before using the compressor to ensure proper function and longevity of the device.

2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Ensure the compressor is connected to a grounded power outlet with the correct voltage (230V). Do not operate with wet hands or in damp conditions. Disconnect power before performing any maintenance.
- **Ventilation:** Operate the compressor in a well-ventilated area to prevent overheating. Do not block air vents.
- **Pressure:** Never exceed the maximum operating pressure of the compressor or the connected airbrush. Always release pressure from the system before disconnecting hoses or performing maintenance.
- **Children and Pets:** Keep the compressor out of reach of children and pets. This is not a toy.
- **Intended Use:** Use the compressor only for its intended purpose of supplying compressed air for airbrushing. Do not modify the unit.

3. PRODUCT OVERVIEW

The Fengda AS18B is a compact, oil-free piston airbrush compressor designed for quiet and consistent air delivery. It features an integrated manometer, pressure regulator, and an automatic start/stop function.



COMPRESSOR WITHOUT THE METAL CASE

Image 1: Fengda AS18B Airbrush Compressor. This image displays the main compressor unit, including the attached pressure regulator and water filter on the left side, and the carrying handle on top. The unit is silver-colored with black accents.

Key Components:

- **Compressor Unit:** The main body housing the motor and piston.
- **Pressure Regulator:** Allows adjustment of the output air pressure.
- **Manometer (Pressure Gauge):** Displays the current output air pressure.
- **Water Filter:** Removes moisture from the air, preventing condensation in your airbrush.
- **Air Outlet:** 1/8 inch (9.51 mm) connection for airbrush hose.
- **Carrying Handle:** For easy portability.

4. SETUP

1. **Unpacking:** Carefully remove the compressor from its packaging. Inspect for any damage.
2. **Placement:** Place the compressor on a stable, level surface in a well-ventilated area. Ensure adequate space around the unit for air circulation.
3. **Connect Airbrush Hose:** Connect one end of your airbrush hose to the 1/8 inch air outlet on the

pressure regulator. Connect the other end to your airbrush. Ensure all connections are secure to prevent air leaks.

4. **Power Connection:** Plug the power cord into a suitable 230V grounded electrical outlet.

5. OPERATING INSTRUCTIONS

1. **Power On:** Turn on the compressor using the power switch. The compressor will start running and build pressure.
2. **Adjust Pressure:** The manometer will display the current output pressure. To adjust the pressure, turn the knob on the pressure regulator. Turn clockwise to increase pressure and counter-clockwise to decrease pressure.
3. **Automatic Start/Stop:** The AS18B features an automatic start/stop function. The compressor will automatically start when the pressure drops below approximately 3 bar and stop when it reaches approximately 4 bar. This maintains a consistent working pressure and reduces wear.
4. **Begin Airbrushing:** Once the desired pressure is set, you can begin using your airbrush.
5. **Power Off:** After use, turn off the compressor using the power switch and disconnect it from the power outlet.

6. MAINTENANCE

- **Drain Water Filter:** Regularly check the water filter for accumulated moisture. To drain, ensure the compressor is off and depressurize the system. Unscrew the drain valve at the bottom of the water filter to release collected water. Re-tighten the valve securely.
- **Cleaning:** Wipe the exterior of the compressor with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure air vents are free from dust and debris.
- **Storage:** Store the compressor in a clean, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- **Compressor does not start:**
 - Check if the power cord is securely plugged in.
 - Ensure the power switch is in the 'ON' position.
 - Verify the electrical outlet is functioning.
- **No air output or low pressure:**
 - Check all hose connections for leaks. Tighten if necessary.
 - Ensure the pressure regulator knob is adjusted correctly (clockwise to increase pressure).
 - Check if the airbrush nozzle is clogged. Clean the airbrush if needed.
 - Verify the water filter is not excessively full, which can restrict airflow.
- **Compressor runs continuously:**
 - This may indicate an air leak in the system (hose, airbrush connection). Check all connections.
 - If no leaks are found, the automatic shut-off mechanism may require inspection by a qualified technician.

8. SPECIFICATIONS

Model Number	AS18B
Power	1/5 HP (150W)
Voltage	230V
Airflow Capacity	20 - 23 Liters Per Minute
Maximum Pressure	6 Bar
Automatic Start/Stop	Starts at approx. 3 Bar / Stops at approx. 4 Bar
Noise Level	Approx. 47 dB (very low noise)
Hose Connection	1/8 inch (9.51 mm)
Material	Aluminum
Special Features	Portable, Water Filter, Pressure Regulator, Manometer

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Keep your proof of purchase for warranty claims.