

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

› [MZH](#) /

› MZH 2.4 Gallon Ultra Quiet Oil-Free Air Compressor (Model MZH-850H-9) Instruction Manual

MZH MZH-850H-9

MZH 2.4 Gallon Ultra Quiet Oil-Free Air Compressor Instruction Manual

Model: MZH-850H-9

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your MZH 2.4 Gallon Ultra Quiet Oil-Free Air Compressor, Model MZH-850H-9. Please read this manual thoroughly before operating the compressor to ensure proper use and to prevent injury or damage.

General Safety Warnings

- Always wear appropriate personal protective equipment, including eye protection, when operating the air compressor or connected tools.
- Ensure the compressor is placed on a stable, level surface to prevent tipping.
- Do not operate the compressor in wet conditions or expose it to rain.
- Keep children and unauthorized personnel away from the operating area.
- Before performing any maintenance or adjustments, always disconnect the compressor from the power source and release all air pressure from the tank.
- Never direct compressed air at yourself or others.
- Do not modify the compressor or its components. Use only genuine replacement parts.
- Ensure the electrical supply matches the compressor's voltage requirements (110V/60Hz).

2. PRODUCT COMPONENTS OVERVIEW

Familiarize yourself with the main parts of your MZH air compressor:



Figure 2.1: Overall view of the MZB 2.4 Gallon Ultra Quiet Oil-Free Air Compressor.

- **Air Tank:** 2.4-gallon steel tank for storing compressed air.
- **Motor:** 1.1 HP oil-free motor, providing efficient and quiet operation.
- **Pressure Gauge:** Displays the current air pressure in the tank.
- **Pressure Regulator:** Allows adjustment of the output air pressure.
- **On/Off Switch:** Controls the power to the compressor.
- **Safety Valve:** Automatically releases pressure if it exceeds a safe limit.
- **Drain Valve:** Located at the bottom of the tank for moisture removal.
- **Air Filter/Muffler:** Reduces noise and prevents dust entry into the pump.
- **Carry Handle:** For portable transport of the unit.



Figure 2.2: Close-up view of the pressure gauge and power control switch.

WIDER APPLICATION

Meet both home and commercial needs



Figure 2.3: Detail of the carry handle and air intake mufflers.

3. SETUP AND INITIAL OPERATION

Unpacking

1. Carefully remove the compressor from its packaging.
2. Inspect the unit for any shipping damage. If damage is found, contact your retailer immediately.
3. Ensure all included components are present: 1 x Air Compressor, 1 x Manual, 1 x Accessory Bag.

Handle and Feet Assembly (if required)

Some units may require minor assembly for the carry handle and rubber feet. Ensure all screws and washers are correctly sized and securely fastened. If screws for the handle do not fit or the feet bolts pass through the holes, acquire appropriate washers or replacement fasteners to ensure stability and safe transport.

Placement

Place the compressor on a firm, level surface in a clean, well-ventilated area. Maintain at least 12 inches of clearance

around the unit for adequate airflow.

Electrical Connection

1. Ensure the ON/OFF switch is in the 'OFF' position.
2. Connect the power cord to a grounded 110V/60Hz electrical outlet.

First Use Procedure

1. Close the drain valve located at the bottom of the air tank.
2. Turn the ON/OFF switch to the 'ON' position. The compressor will begin to fill the air tank.
3. Allow the compressor to run until it reaches its maximum pressure (approximately 115 PSI) and automatically shuts off. This process should take about 25 seconds.
4. Check for any air leaks by listening for hissing sounds or applying soapy water to connections. If leaks are detected, tighten connections.
5. Open the drain valve to release all air from the tank. This helps remove any condensation and ensures proper function. Close the drain valve once the tank is empty.
6. Your compressor is now ready for use.

4. OPERATING INSTRUCTIONS

Connecting Air Tools

1. Ensure the compressor is off and the tank pressure is released before connecting or disconnecting air tools.
2. Attach your air hose to the compressor's air outlet.
3. Connect your desired air tool to the other end of the air hose.

Adjusting Output Pressure

1. Turn the compressor ON and allow it to build pressure.
2. Use the pressure regulator knob to adjust the output pressure to the recommended setting for your air tool. The output pressure will be displayed on the regulated pressure gauge.

Typical Applications

This compressor is suitable for a wide range of applications, including:

- Spray painting
- Auto repair tasks
- Carpentry decoration
- Tire inflation
- Operating staple guns, brad nail guns, roofing nail guns, framing nail guns
- Using blow guns, air drills, HVLP spray guns, and electrical automatic screwdrivers



Figure 4.1: Various applications for the MZB Air Compressor.

Shutting Down the Compressor

1. Turn the ON/OFF switch to the 'OFF' position.
2. Disconnect the air hose and tools.
3. Open the drain valve to release all air pressure from the tank. This is crucial to prevent moisture buildup and tank corrosion.
4. Close the drain valve after all air and moisture have been expelled.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air compressor. Always disconnect power before performing maintenance.

Daily Maintenance

- **Drain Air Tank:** After each use, open the drain valve to release moisture from the air tank. This prevents rust and

extends tank life.

Weekly Maintenance

- **Inspect Air Filter:** Check the air filter for dirt and debris. Clean or replace the filter cotton if necessary to ensure efficient operation and prevent dust from entering the pump.
- **Check for Leaks:** With the tank pressurized, listen for any air leaks. Apply soapy water to connections to identify leaks by bubbling. Tighten any leaking fittings.

Oil-Free Design

Your MZB air compressor features an oil-free motor, eliminating the need for oil changes or oil level checks, simplifying maintenance.



Figure 5.1: The oil-free motor requires no maintenance.

6. TROUBLESHOOTING

Refer to this section for common issues and their solutions. If you encounter a problem not listed here or cannot resolve an

issue, contact customer support.

Problem	Possible Cause	Solution
Compressor does not start	No power supply ON/OFF switch is OFF Thermal overload activated	Check power cord and outlet Turn switch to ON Allow compressor to cool down, then reset
Compressor runs continuously or frequently	Air leak in tank or connections Pressure switch malfunction	Check for and repair air leaks Contact customer support
Low air pressure at outlet	Regulator set too low Air leak in hose or tool Clogged air filter	Adjust pressure regulator Check and repair leaks Clean or replace air filter
Excessive noise or vibration	Loose components Unit not on level surface	Check and tighten all fasteners Place on a stable, level surface
Handle screws do not fit / Pressure gauge damaged	Manufacturing defect or shipping damage	Contact customer support for replacement parts or assistance.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	Air Compressor
Part Number	MZB-850H-9
Brand	MZB
Power Source	Corded Electric
Voltage	110 Volts
Wattage	850 Watts
Motor Horsepower	1.1 Horsepower
Tank Volume	2.4 Gallons (2.38 Gallons Capacity)
Maximum Operating Pressure	115 PSI (Pascal)
Air Flow Capacity	5.65 Cubic Feet Per Minute (CFM)
Noise Level	72 Decibels
Special Feature	Oil Free
Material	Metal (Q235B Structural Steel Tank)
Product Dimensions	7"L x 17"W x 18"H
Item Weight	29 Pounds

Feature	Specification
Included Components	1 x Air Compressor; 1 x Manual; 1 x Accessory Bag

8. WARRANTY AND SUPPORT

Warranty Information

Specific warranty details for your MZB Air Compressor are typically provided with the product documentation or can be obtained from the retailer or manufacturer. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, replacement parts, or warranty inquiries, please contact MZB customer support. Refer to the contact information provided in your product packaging or on the manufacturer's official website.