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## cxb DP-8500

# cxb DP-8500 Fully Automatic Tire Nitrogen Generator Machine User Manual

## 1. INTRODUCTION

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Welcome to the user manual for the cxb DP-8500 Fully Automatic Tire Nitrogen Generator Machine. This document provides essential information for the safe and efficient operation, setup, and maintenance of your new equipment. Please read this manual thoroughly before operating the machine to ensure proper function and to prevent damage or injury.

## 2. SAFETY INFORMATION

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

- Ensure the machine is connected to a grounded power outlet with the correct voltage (AC 220V 50-60Hz).
- Do not operate the machine in wet conditions or near flammable materials.
- Always wear appropriate personal protective equipment (PPE) when operating the machine, including eye protection.
- Before performing any maintenance or cleaning, disconnect the machine from the power supply and release any residual pressure.
- Do not tamper with internal components. Refer servicing to qualified personnel.
- Keep children and unauthorized personnel away from the operating machine.
- Ensure adequate ventilation in the work area.

## 3. PRODUCT OVERVIEW

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The cxb DP-8500 is a fully automatic nitrogen generator designed for tire inflation. It features an LCD display, intelligent chip control, and achieves nitrogen purity of 95-99.5%.

### Key Features:

- Solid pure copper self-locking inflatable nozzle for secure connection.

- Equipped with a 10m high-quality rubber trachea for durability and reach.
- Large-size LCD full-view screen for clear function display and conversion.
- Mechanical dual pressure display for convenient operation.
- Intelligent chip control for precise nitrogen generation.
- High nitrogen purity (95-99.5%) for optimal tire performance.

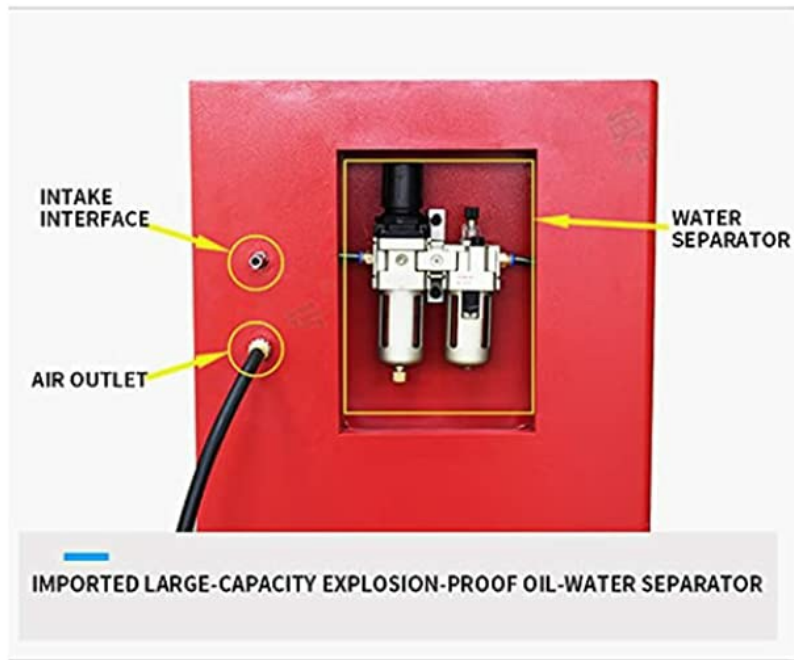
### Components and Controls:



**Figure 1: Front View of the DP-8500.** This image displays the main unit of the nitrogen generator, featuring the LCD liquid crystal display, pressure gauges, and the "NITROGEN TIRE INFLATION SYSTEM" panel. The front panel also highlights key benefits of nitrogen inflation and the model number DP-8500.



**Figure 2: Side View with Power Connections.** This image illustrates the side of the DP-8500 machine, clearly indicating the location of the main power SWITCH and the POWER CABLE connection point.



**Figure 3: Rear Connections.** This image provides a detailed view of the rear panel, highlighting the INTAKE INTERFACE for air input, the AIR OUTLET for nitrogen output, and the WATER SEPARATOR, which is an imported large-capacity explosion-proof oil-water separator.

## 4. SETUP

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1. **Unpacking:** Carefully remove the machine from its packaging. Inspect for any signs of damage during transit.
2. **Placement:** Position the machine on a stable, level surface in a well-ventilated area. Ensure there is sufficient space around the unit for air circulation and access to connections.
3. **Power Connection:** Connect the power cable to the designated power input on the machine (refer to Figure 2). Plug the other end into a grounded AC 220V 50-60Hz power outlet.
4. **Air Intake Connection:** Connect your compressed air supply line to the INTAKE INTERFACE on the rear of the machine (refer to Figure 3). Ensure a secure, airtight connection.
5. **Nitrogen Output Hose:** Connect the provided 10m high-quality rubber trachea to the AIR OUTLET. Attach the solid pure copper self-locking inflatable nozzle to the other end of the hose.
6. **Initial Check:** Before powering on, ensure all connections are secure and there are no visible obstructions or damage.

## 5. OPERATING INSTRUCTIONS

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1. **Power On:** Locate the power SWITCH (refer to Figure 2) and turn the machine on. The LCD display will

illuminate.

2. **System Initialization:** Allow the machine a few moments to initialize. The LCD display will show current status and settings.
3. **Set Desired Pressure:** Use the controls on the front panel to set the desired tire inflation pressure. The large-size LCD full-view screen provides clear feedback. The pressure measurement range is 15-100Psi/1-7Bar.
4. **Connect to Tire:** Attach the self-locking inflatable nozzle securely to the tire valve stem.
5. **Start Inflation:** Initiate the nitrogen filling process using the appropriate control on the machine. The machine will automatically fill the tire to the preset pressure with nitrogen of 95-99.5% purity.
6. **Monitor Progress:** Observe the mechanical dual pressure display and the LCD screen to monitor the inflation process.
7. **Completion:** Once the desired pressure is reached, the machine will automatically stop. Disconnect the nozzle from the tire valve.
8. **Power Off:** After use, turn off the machine using the power switch.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your DP-8500 machine.

- **Daily Cleaning:** Wipe down the exterior of the machine with a soft, dry cloth to remove dust and debris.
- **Water Separator Check:** Regularly inspect the WATER SEPARATOR (refer to Figure 3) for accumulated moisture. Follow manufacturer guidelines for draining or replacing the filter element as needed. A clean separator is crucial for maintaining nitrogen purity.
- **Hose and Nozzle Inspection:** Periodically check the rubber trachea and the inflatable nozzle for any signs of wear, cracks, or damage. Replace components if necessary to prevent leaks.
- **Air Filter:** Ensure the air intake filter (if present, typically part of the intake system) is clean and free of obstructions to maintain proper airflow.
- **Storage:** When not in use for extended periods, store the machine in a clean, dry environment, disconnected from power and air supply.

## 7. TROUBLESHOOTING

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If you encounter issues with your DP-8500 machine, refer to the following common troubleshooting steps.

- **Machine Does Not Power On:**
  - Check if the power cable is securely connected to both the machine and the power outlet.
  - Verify that the power outlet is functional.
  - Ensure the power switch is in the "ON" position.
- **No Nitrogen Output / Low Pressure:**
  - Confirm that the compressed air supply is connected and active.
  - Check for any kinks or blockages in the air intake line or the nitrogen output hose.
  - Inspect the water separator; a clogged separator can restrict airflow.
  - Ensure the desired pressure is correctly set on the control panel.
  - Check for leaks in the hose or nozzle connections.
- **Inaccurate Pressure Readings:**

- Ensure the tire valve is clean and free of debris.
- Verify the nozzle is securely attached to the tire valve.
- If discrepancies persist, contact customer support for calibration or service.

- **Unusual Noises or Odors:**

- Immediately power off the machine and disconnect it from the power supply.
- Inspect for any loose parts or visible damage.
- Do not operate the machine if unusual noises or odors persist. Contact qualified service personnel.

For issues not covered here, please contact cxb customer support.

## 8. SPECIFICATIONS

Parameter	Value
Model	DP-8500
Display Mode	LCD
Working Temperature	-20~70 °C
Accuracy	0.5Psi
Resolution	0.5Psi/0.05Bar
Power	45W
Voltage	AC 220V 50-60Hz
Pressure Measurement Range	15-100Psi/1-7Bar
Nitrogen Purity	95-99.5%
Use Medium	Air
Weight	59kg
Manufacturer	cxb
ASIN	B093FSY4PZ

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your cxb DP-8500 Nitrogen Generator Machine, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Manufacturer: cxb