

[Manuals.plus](#) /

› [Nilight](#) /

› Nilight Portable Double Cylinder Air Compressor Tire Inflator (Model 50207A) - Instruction Manual

Nilight 50207A

Nilight Portable Double Cylinder Air Compressor Tire Inflator

MODEL: 50207A

Brand: Nilight

Introduction

This manual provides essential instructions for the safe and efficient operation of your Nilight Portable Double Cylinder Air Compressor Tire Inflator. Please read this manual thoroughly before first use and retain it for future reference. This device is designed for inflating tires on cars, SUVs, ATVs, motorcycles, and bicycles, as well as various inflatable items like balloons and sports balls.

Product Overview



Image: Nilight Portable Double Cylinder Air Compressor with included accessories.

Key Features:

- **Heavy Duty Dual Cylinder Design:** Provides 30 L/min airflow for fast inflation.
- **Digital Pressure Display:** Monitors real-time tire pressure with units in PSI, KPA, and BAR.
- **Auto Shutoff:** Automatically stops inflation when the preset pressure is reached.
- **Wide Application:** Suitable for various vehicles and inflatable items with included nozzles.
- **LED Lighting:** Features backup, warning, and flashlight modes for use in dark environments.
- **Durable Construction:** Metal pump with a robust handle.

Package Contents:

- Portable Air Compressor Pump
- 3 Nozzles (for various inflatables)
- Instruction Manual

Specifications

Specification	Value
Brand	Nilight
Model Name	50207A
Voltage	12 Volts DC
Maximum Operating Pressure	120 PSI
Air Flow Rate	30 L/min
Cylinder Specification	30mm
Power Source	Corded Electric (12V DC)
Material	Metal
Item Weight	4.28 pounds (1.95 Kilograms)
Package Dimensions	10.71 x 7.05 x 5.71 inches

Safety Instructions

WARNING: Read all safety warnings and instructions before using this product.

- Always operate the air compressor in a well-ventilated area.
- Ensure the vehicle engine is running when using the compressor to avoid draining the car battery.
- Do not leave the compressor unattended while in use.
- Keep children and pets away from the compressor during operation.
- Avoid over-inflating. Always check the recommended pressure for your tires or inflatable items.
- The compressor may become hot during prolonged use. Allow it to cool down before handling or storing.
- Do not operate the compressor for more than 10 minutes continuously. Allow a cool-down period between uses.
- This pump is NOT intended for use with high pressure or large volume applications like trucks, pools, or inflatable canoes.

Setup

1. **Start Vehicle Engine:** Ensure your car's ignition is on to provide power to the compressor.
2. **Connect Power:** Insert the cigarette lighter plug into your vehicle's 12V DC power outlet.
3. **Prepare Tire Valve:** Remove the valve cap from the tire you wish to inflate.
4. **Attach Air Hose:** Connect the air hose nozzle securely to the tire valve. Ensure a tight seal to prevent air leakage.



Image: Visual guide for connecting the air compressor and setting pressure.

Operating Instructions

1. **Power On:** Once connected, the digital display will illuminate.
2. **Select Unit:** Press the 'M' button to cycle through pressure units (PSI, KPA, BAR) until your desired unit is displayed.
3. **Set Desired Pressure:** Use the '+' and '-' buttons to set the target tire pressure.
4. **Start Inflation:** Press the power switch (often indicated by 'I' or a play symbol) to begin inflation. The compressor will start operating.
5. **Monitor Progress:** The digital display will show the real-time pressure as the tire inflates.
6. **Automatic Shutoff:** The compressor will automatically stop once the preset pressure is reached.
7. **Disconnect:** Turn off the compressor, disconnect the air hose from the tire valve, and replace the valve cap.
8. **LED Light Function:** Press the light button to activate the LED light, which offers backup, warning, and flashlight modes for visibility.

Video: Official Nilight demonstration of the 12V DC Metal Air Compressor with Double Cylinder in use.

Maintenance

- Regularly inspect the air hose and power cord for any signs of damage or wear.
- Clean the exterior of the compressor with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Store the compressor in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure all accessories are stored properly within the provided bag to prevent loss or damage.

Troubleshooting

- **Compressor Not Turning On:**
 - Check if the 12V DC power outlet in your vehicle is functioning correctly.
 - Ensure the vehicle engine is running.
 - Verify the power plug is securely inserted.
- **Slow Inflation:**
 - Check for air leaks at the connection point between the hose and the tire valve.
 - Ensure the air hose is not kinked or obstructed.
- **Inaccurate Pressure Reading:**
 - Ensure the air chuck is fully seated on the tire valve.
 - If discrepancies persist, use a separate, calibrated tire pressure gauge to verify readings.
- **Overheating:**
 - If the unit becomes excessively hot, turn it off and allow it to cool down for at least 10-15 minutes before resuming use.
 - Avoid continuous operation beyond the recommended 10-minute limit.

Warranty and Support

For warranty information or technical support, please refer to the contact details provided in your product packaging or visit the official Nilight website. Keep your purchase receipt as proof of purchase.