

VIAIR 88P

VIAIR 88P Portable Air Compressor User Manual

Model: 88P | Part Number: 00088

INTRODUCTION

This manual provides essential information for the safe and effective operation of your VIAIR 88P Portable Air Compressor. Please read this manual thoroughly before use and retain it for future reference.

The VIAIR 88P is a robust 12-volt portable air compressor designed for inflating tires on various vehicles including cars, trucks, SUVs, RVs, motorcycles, and even sports equipment. It features a heavy-duty, gearless motor, a 16-foot air hose, a 10-foot power cord with alligator clips, and a built-in pressure gauge. Its compact size and included carrying case make it an ideal tool for on-the-go inflation needs.

IMPORTANT SAFETY INFORMATION

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

- Ensure the vehicle engine is running when operating the compressor to prevent draining the vehicle's battery.
- Do not exceed the maximum operating pressure of 120 PSI.
- Allow the compressor to cool down after extended use, as it can become hot. Refer to the specifications for duty cycle.
- Keep children and pets away from the compressor during operation.
- Use in a well-ventilated area.
- Always connect the alligator clips to the vehicle's battery terminals correctly (positive to positive, negative to negative).
- Disconnect the compressor from the power source when not in use.

PRODUCT OVERVIEW

The VIAIR 88P is designed for portability and efficiency. Below are its main components and features:



Figure 1: VIAIR 88P Portable Air Compressor with included accessories and carrying case.

This image displays the complete VIAIR 88P kit, including the compressor unit, air hose, power cord with alligator clips, various inflation tips, and the durable canvas carrying case. The compact design allows for easy storage and transport.

- **Compressor Unit:** The main body housing the heavy-duty gearless motor.
- **120 PSI Pressure Gauge:** Integrated into the unit for monitoring inflation pressure.
- **Solid Brass Twist-on Tire Chuck:** For secure connection to tire valve stems.
- **16 ft Air Hose:** Provides ample reach for various applications.
- **10 ft Power Cord with Dual Battery Clamps:** For direct connection to a 12V vehicle battery.
- **LED Work Light:** For illumination during low-light conditions.
- **3 Inflation Tips:** Includes 3/16" nozzle, 5/16" nozzle, and needle adapter for different inflation needs.
- **Presta Valve Adapter:** For bicycle tires.
- **Deluxe Carry Bag:** For convenient storage and transport.

SETUP

Before operating your VIAIR 88P compressor, ensure you are in a safe location and have all necessary components.

Initial Inspection

- Unpack all components from the carrying case.
- Inspect the compressor, air hose, and power cord for any visible damage. Do not use if damaged.
- Familiarize yourself with the compressor's parts as described in the Product Overview section.

Connecting to Power Source

1. Position the compressor on a stable, flat surface near the vehicle's battery.
2. Ensure the compressor's ON/OFF switch is in the OFF position.

3. Start the vehicle's engine. This is crucial to prevent draining the vehicle's battery and to ensure optimal compressor performance.
4. Connect the red positive (+) alligator clamp to the positive (+) terminal of the vehicle's battery.
5. Connect the black negative (-) alligator clamp to the negative (-) terminal of the vehicle's battery.

4 Easy Steps To Inflate Your Tires



1 Attach Clamps

Attach battery clamps to vehicles battery.



2 Start Engine

Start the engine of the vehicle.



3 Connect Air Hose

Connect the air hose to the vehicle tire.



4 Monitor Pressure

Turn the unit on & monitor pressure on gauge.

Figure 2: The ON/OFF switch and integrated LED light on the VIAIR 88P compressor.

This image highlights the simple ON/OFF switch and the useful LED work light, which illuminates when the unit is powered on, aiding visibility in dark conditions.

OPERATING INSTRUCTIONS

Tire Inflation

1. Ensure the compressor is properly connected to the vehicle's battery and the engine is running.
2. Remove the valve cap from the tire you wish to inflate.

3. Firmly attach the brass twist-on tire chuck to the tire's valve stem. Twist clockwise until secure.
4. Flip the ON/OFF switch on the compressor to the ON position. The compressor will begin to inflate.
5. Monitor the built-in pressure gauge. When the desired pressure is reached, immediately switch the compressor to the OFF position.
6. Carefully disconnect the tire chuck from the valve stem. Replace the valve cap.
7. Repeat for other tires as needed.

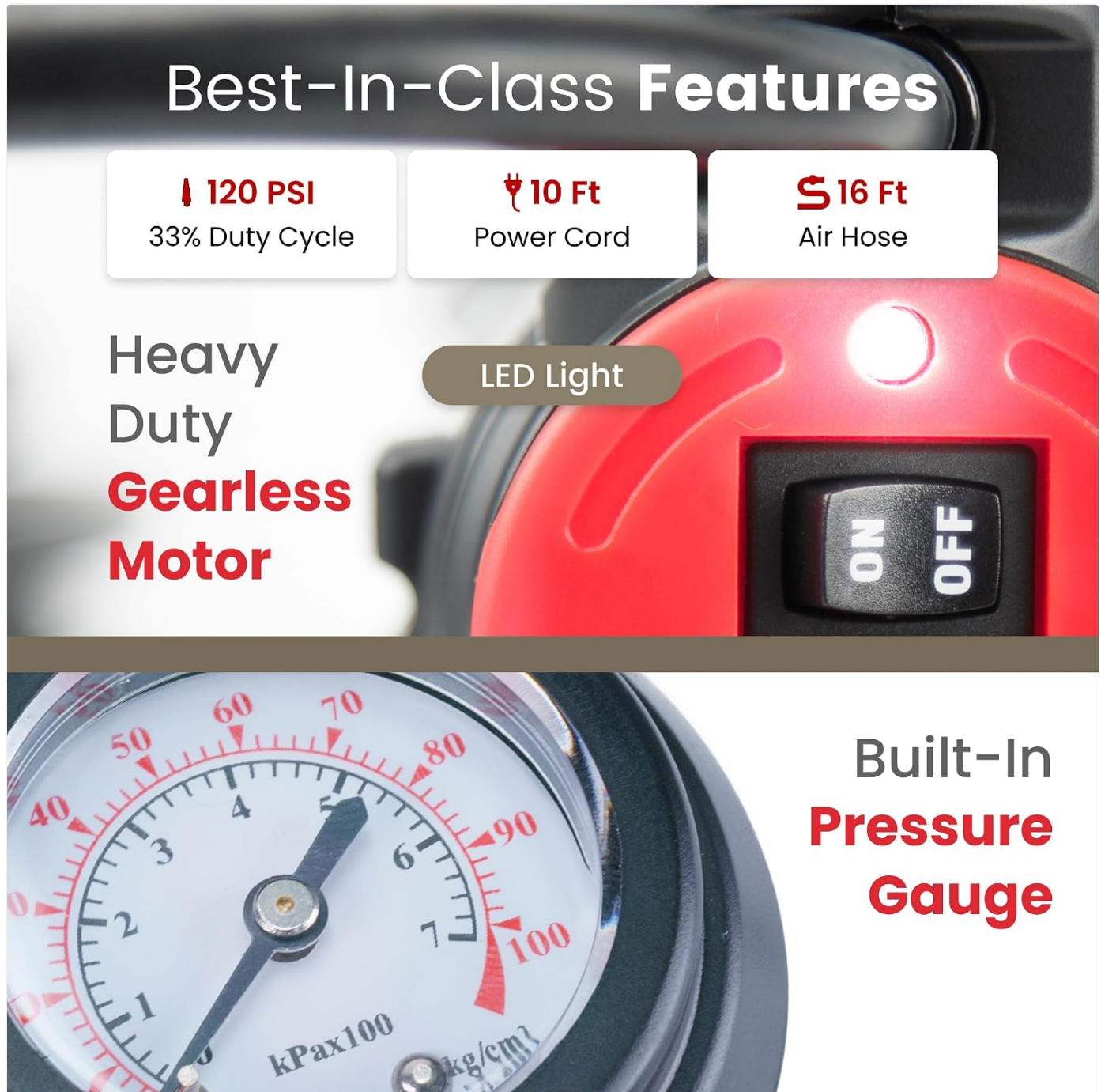


Figure 3: The analog pressure gauge on the VIAIR 88P, used for monitoring tire pressure during inflation.

This image shows the clear, easy-to-read analog pressure gauge, which is essential for accurate tire inflation. Users should turn off the compressor to get an accurate reading.

Inflating Other Items (Balls, Rafts, etc.)

1. Select the appropriate inflation tip (3/16" nozzle, 5/16" nozzle, or needle adapter).
2. Attach the chosen tip to the brass twist-on chuck.
3. Insert the tip into the item's inflation port.

4. Turn the compressor ON and inflate to the recommended pressure for the item.
5. Turn the compressor OFF and remove the tip.

Important Notes on Operation:

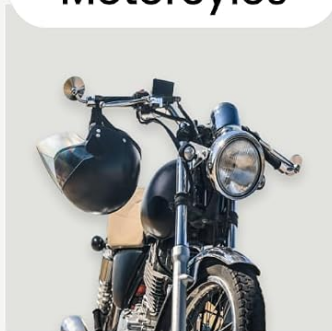
- The pressure gauge provides an accurate reading only when the compressor is turned OFF. The reading will be higher when the compressor is running.
- Observe the duty cycle: The 88P has a 25-minute duty cycle at 30 PSI. This means it can run for 25 minutes continuously at 30 PSI before needing to cool down. Exceeding this can damage the unit.
- The compressor will get warm during use. Avoid touching hot metal parts.

Versatile for All Vehicles

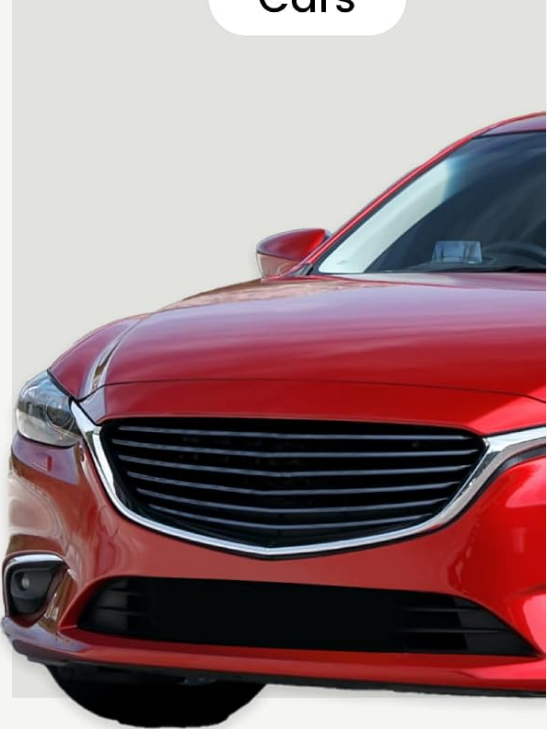
Jeeps



Motorcycles



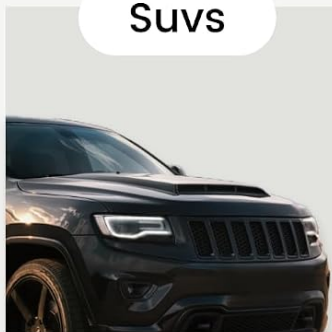
Cars



Vans



Suvs



Tailored Performance for Every Vehicle Type

Figure 4: The VIAIR 88P in use, connected to a vehicle tire for inflation.

This image demonstrates the practical application of the compressor, showing its connection to a tire valve for inflation. The long air hose provides flexibility.

Official Product Video: Usage Demonstration

Your browser does not support the video tag.

This video, titled "Viair 88p Portable Compressor Specifications and Usage" by Viair Corporation, provides a detailed demonstration of the compressor's features and proper usage. It covers connecting the unit, inflating tires, and general operational guidelines.

MAINTENANCE

The VIAIR 88P is designed for low maintenance. Following these simple steps will ensure its longevity and optimal performance:

- **Cleaning:** After each use, wipe down the compressor with a damp cloth to remove dirt and debris. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Ensure the compressor is completely cool before storing it in its carrying case. Store in a dry, cool place away from direct sunlight and extreme temperatures.
- **Cord and Hose Inspection:** Periodically check the power cord and air hose for any signs of wear, cuts, or kinks. Replace if damaged.
- **Filter:** The 88P model does not have a user-replaceable air filter. Keep the intake area clear of obstructions.

TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Compressor does not turn on.	◦ Loose battery connection. ◦ Vehicle engine not running. ◦ Blown fuse in vehicle or compressor. ◦ Compressor switch is OFF.	◦ Check and secure alligator clamp connections. ◦ Start the vehicle's engine. ◦ Check vehicle's fuse box and compressor's inline fuse (if applicable). ◦ Ensure the ON/OFF switch is in the ON position.
Compressor runs but does not inflate.	◦ Air chuck not securely attached to valve stem. ◦ Leak in air hose or connections. ◦ Valve stem core is faulty.	◦ Twist the brass chuck firmly onto the valve stem. ◦ Check all connections for leaks. Tighten or replace if necessary. ◦ Inspect valve stem core; replace if damaged.
Compressor overheats and shuts off.	◦ Exceeded duty cycle. ◦ Poor ventilation.	◦ Turn off the compressor and allow it to cool down for at least 30 minutes. ◦ Ensure the compressor is in a well-ventilated area during operation.

Problem	Possible Cause	Solution
Inaccurate pressure reading.	◦ Reading taken while compressor is running. ◦ Gauge malfunction.	◦ Always turn off the compressor to get an accurate pressure reading. ◦ If issues persist, contact customer support.

SPECIFICATIONS

VIAIR 88P Technical Specifications

Feature	Detail
Model	88P
Part Number	00088
Voltage	12 Volts
Maximum Operating Pressure	120 PSI
Duty Cycle	25 minutes @ 30 PSI
Free Flow Capacity	1.47 CFM
Maximum Recommended Tire Size	33 inches
Power Cord Length	10 feet
Air Hose Length	16 feet
Dimensions (L x W x H)	9.8" x 3.2" x 5.6"
Item Weight	4.75 pounds
Noise Level	76 dB
Material	Brass (for chuck)

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official VIAIR website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

You can also find additional resources and contact information on the [VIAIR Amazon Store](#).

For a downloadable PDF version of the user manual, please visit: [VIAIR 88P User Manual \(PDF\)](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question