RYOBI PCL031B

RYOBI 18V ONE+ DUAL FUNCTION DIGITAL Inflator/Deflator

Model: PCL031B

INTRODUCTION

Product Overview



The RYOBI 18V ONE+ Dual Function Digital Inflator/Deflator (Model PCL031B) is a versatile tool designed for various inflation and deflation tasks.

This inflator is engineered for both high-pressure applications, such as filling vehicle tires and sports balls up to 160 PSI, and high-volume tasks, like inflating and deflating air mattresses and pool toys with up to 16 SCFM airflow. It features an auto shut-off function for precise inflation, a quick-connect air chuck for hands-free operation, a clear digital pressure gauge, and an integrated LED worklight for enhanced visibility. Its compact design includes an integrated carry handle and on-board accessory storage, making it highly portable. As part of the RYOBI ONE+ System, it is compatible with any 18V ONE+ battery (sold separately).

Important Safety Information

Always read and understand all safety warnings and instructions before operating this product.

- **Eye Protection:** Always wear eye protection that is marked to comply with ANSI Z87.1 when operating this tool.

- **Hand Protection:** Wear appropriate gloves to protect hands during operation.
- **Battery Safety:** Use only RYOBI 18V ONE+ batteries and chargers. Do not expose batteries to water or extreme temperatures.
- **Proper Use:** Do not use the inflator for purposes other than those specified in this manual.
- **Ventilation:** Ensure adequate ventilation when operating the inflator to prevent overheating.
- **Children and Pets:** Keep children and pets away from the work area during operation.
- **Storage:** Store the inflator in a dry, secure location out of reach of children.

Components and Package Contents

Package Contents

- RYOBI 18V ONE+ Dual Function Digital Inflator/Deflator (PCL031B)
- Sports Needle
- Presta Valve Adaptor
- Pinch Valve Adaptor
- Operator's Manual

Note: Battery and charger are sold separately.



This unit requires a RYOBI 18V ONE+ battery and charger, which are not included.

Parts Identification



Top view of the inflator, highlighting the digital display and control panel.



The inflator features convenient on-board storage for various adapters.



The high-pressure hose is neatly stored on the unit for portability.

Setup

Battery Installation

1. Ensure the inflator is turned off.
2. Align the battery pack with the port on the inflator.
3. Slide the battery pack into the inflator until it clicks securely into place.
4. To remove, press the battery release latch and slide the battery out.

Attaching Hoses and Adapters

- **High-Pressure Hose:** The high-pressure hose is permanently attached. For use, uncoil it from its storage position.
- **High-Volume Hose:** For high-volume inflation/deflation, attach the flexible hose to the appropriate port (inflation or deflation) on the unit.
- **Adapters:** Select the correct adapter (Sports Needle, Presta Valve, Pinch Valve) for your application. These are stored on-board the unit.
- For high-pressure applications, screw the chosen adapter onto the quick-connect air chuck.
- For high-volume applications, firmly insert the appropriate nozzle into the end of the high-volume hose.

Operating Instructions

Digital Display and Controls

- **Power Button:** Press to turn the unit on/off.
- **Mode Button (Gear Icon):** Toggles between high-pressure (tire icon) and high-volume (air mattress icon) modes.
- **+/- Buttons:** Adjust the target PSI for high-pressure mode.
- **Play/Pause Button:** Starts and stops the inflation/deflation process.
- **Light Button:** Activates the integrated LED worklight.

High-Pressure Inflation (Tires/Sports Balls)

1. Ensure the battery is installed.
2. Press the Power button to turn on the inflator.
3. Press the Mode button (gear icon) until the tire icon is displayed on the screen.
4. Use the +/- buttons to set the desired PSI. Refer to the item's recommended pressure.
5. Attach the quick-connect air chuck (with appropriate adapter) firmly to the valve stem.
6. Press the Play button to begin inflation. The unit will automatically shut off when the set PSI is reached.
7. Disconnect the air chuck from the valve stem.

High-Volume Inflation (Inflatables)

1. Ensure the battery is installed.
2. Press the Power button to turn on the inflator.
3. Press the Mode button (gear icon) until the air mattress icon is displayed on the screen.
4. Attach the high-volume hose to the inflation port (usually marked with an arrow pointing out).
5. Insert the appropriate high-volume nozzle into the inflatable's valve.
6. Press the Play button to begin inflation. Monitor the inflatable to prevent over-inflation.
7. Press the Pause button to stop inflation and remove the nozzle.

Deflation Function

1. Ensure the battery is installed.
2. Press the Power button to turn on the inflator.
3. Press the Mode button (gear icon) until the air mattress icon is displayed on the screen.
4. Attach the high-volume hose to the deflation port (usually marked with an arrow pointing in).
5. Insert the appropriate high-volume nozzle into the inflatable's valve.
6. Press the Play button to begin deflation.
7. Press the Pause button to stop deflation and remove the nozzle.

Maintenance

Cleaning

- Always remove the battery pack before cleaning.
- Use a clean, damp cloth to wipe down the exterior of the inflator. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to ensure proper airflow and prevent overheating.
- Clean the hoses and adapters after each use to prevent blockages.

Storage

- Store the inflator in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure all hoses and adapters are properly stored in their designated on-board compartments.
- Remove the battery pack from the inflator before storing for extended periods.

Troubleshooting

- **Unit does not turn on:** Ensure the battery pack is fully charged and properly inserted. Check for any obstructions in the battery terminals.
- **Low airflow/pressure:** Check that the correct hose and adapter are securely attached. Ensure there are no kinks or blockages in the hose. Verify the mode setting (high-pressure vs. high-volume) is appropriate for the task.
- **Inaccurate pressure reading:** Ensure the adapter is fully seated on the valve stem. If issues persist, consult the manufacturer's support.
- **Unit overheats:** Allow the unit to cool down. Ensure ventilation openings are clear. Avoid continuous operation for extended periods, especially with high-pressure tasks.

For persistent issues not covered here, please contact RYOBI customer support.

Specifications

Feature	Specification
Brand	RYOBI
Model Name	PCL031B
Power Source	18V ONE+ Battery (Sold Separately)
Maximum Pressure	160 PSI
Air Flow Capacity (High Volume)	16 SCFM
Operation Mode	Automatic (with auto shut-off for high-pressure)
Item Weight	2.67 Pounds
Material	Plastic
Included Components	Tool Only, Sports Needle, Presta Valve Adaptor, Pinch Valve Adaptor, Operator's Manual

Warranty and Support

Specific warranty details for the RYOBI 18V ONE+ Dual Function Digital Inflator/Deflator are typically provided with the product packaging or can be found on the official RYOBI website. Please refer to these resources for the most accurate and up-to-date warranty information.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact RYOBI customer support through their official website or the contact information provided in your product's original documentation.

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