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› RYOBI R18PI-0 18V ONE+ Cordless High Pressure Inflator User Manual

RYOBI R18PI-0

RYOBI R18PI-0 18V ONE+ Cordless High Pressure Inflator User Manual

Model: R18PI-0

1. INTRODUCTION

The RYOBI R18PI-0 18V ONE+ Cordless High Pressure Inflator is designed for rapid inflation of various items, including vehicle tires, bicycle tires, sports balls, and small inflatables. This portable device is part of the RYOBI ONE+ system, offering cordless convenience for home and garden tasks. It features a high-pressure output of up to 10.3 bar (150 PSI) and an easy-to-read pressure gauge for accurate inflation.

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your inflator. Please read it thoroughly before first use and retain it for future reference.



Figure 1: RYOBI R18PI-0 18V ONE+ Cordless High Pressure Inflator (Battery not included)

2. SAFETY INFORMATION

Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury. This inflator is designed for high-pressure inflation; improper use can cause injury or damage to property.

- Read all instructions before operating the tool.
- Do not exceed the recommended pressure for the item being inflated. Over-inflation can cause bursting and serious injury.
- Keep children and bystanders away from the operating area.
- Do not leave the inflator unattended while in operation.
- Use only with RYOBI ONE+ 18V batteries.
- Store the inflator in a dry, secure location out of reach of children.
- Wear appropriate eye protection during operation.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- 1 x RYOBI R18PI-0 Portable Air Compressor (Body Only)
- 1 x Presta Valve Adapter for Bicycle Tires
- 1 x Needle for Sports Equipment
- 1 x Quick Inflation Tip (Tapered Nozzle)

Note: Battery and charger are sold separately.

4. SETUP

1. **Attach Battery:** Ensure the inflator is switched off. Align the RYOBI ONE+ 18V battery with the battery port on the base of the inflator and slide it in until it clicks securely into place.
2. **Select Nozzle:** Choose the appropriate nozzle for the item you intend to inflate.
 - For car tires, use the thumb lock tire valve.
 - For bicycle tires with Presta valves, attach the Presta valve adapter.
 - For sports balls, attach the needle adapter.
 - For inflatable toys or mattresses, use the quick inflation tapered nozzle.
3. **Connect Hose:** The flexible 50cm hose is permanently attached. Securely connect the selected nozzle or the thumb lock tire valve to the item's valve stem.



Figure 2: Inflator showing hose and various adapters.

5. OPERATING INSTRUCTIONS

1. **Prepare for Inflation:** Ensure the battery is fully charged and securely attached. Select and connect the correct nozzle to the item to be inflated.
2. **Check Current Pressure:** The inflator features an easy-to-view pressure gauge. Once connected, the gauge will display the current pressure of the item.
3. **Start Inflation:** Press and hold the trigger to begin inflation. The inflator will start pumping air.
4. **Monitor Pressure:** Continuously monitor the pressure gauge during inflation. Release the trigger once the desired pressure is reached.
5. **Disconnect:** Disconnect the nozzle from the item's valve stem.

Inflation Tips:

- For vehicle tires, refer to your vehicle's owner's manual or the sticker inside the driver's side door jamb for

recommended tire pressure.

- Inflate in short bursts and check the pressure frequently to avoid over-inflation.
- The inflator can rapidly inflate car tires to 32 PSI in under 2 minutes.



Figure 3: Inflating a large ball using the RYOBI R18PI-0 inflator.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your inflator.

- **Cleaning:** Disconnect the battery before cleaning. Wipe the exterior of the inflator with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the inflator in a dry, cool place, away from direct sunlight and moisture. Ensure all nozzles and the hose are neatly stored to prevent damage.
- **Battery Care:** Follow the battery manufacturer's instructions for charging, storage, and disposal of RYOBI ONE+ 18V batteries.
- **Inspection:** Periodically inspect the hose and nozzles for any signs of wear, cracks, or damage. Replace damaged components immediately.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Inflator does not start.	Battery not inserted correctly or discharged.	Ensure battery is fully inserted. Charge the battery.
Low or no air output.	Nozzle not securely attached; hose kinked or damaged; item valve blocked.	Check nozzle connection. Straighten hose. Inspect item valve for obstructions.
Inaccurate pressure reading.	Gauge malfunction; improper connection to valve.	Ensure a tight seal with the valve. If issues persist, contact customer support.
Inflator overheats.	Continuous operation for too long.	Allow the inflator to cool down for several minutes before resuming use. Avoid prolonged continuous operation.

If troubleshooting steps do not resolve the issue, contact RYOBI customer support.

8. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	R18PI-0
Brand	RYOBI
Voltage	18 Volts (DC)
Power Source	Battery Powered (RYOBI ONE+ 18V)
Maximum Pressure	10.3 Bars (150 PSI)
Air Flow Capacity	16 Liters Per Minute
Hose Length	50 Centimeters
Item Weight	600 Grams (1.32 pounds)
Material	Metal, Plastic
Sound Level	80.5 Decibels
Special Features	ONE+ battery system compatibility, flexible 50 cm compressed air hose

9. WARRANTY AND SUPPORT

All RYOBI ONE+ products, including the R18PI-0 inflator, come with a **3-year warranty** for quality assurance. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or service inquiries, please refer to the official RYOBI website or contact their customer service department. Keep your proof of purchase for warranty validation.

Online Resources: For additional information, product registration, and frequently asked questions, visit the official RYOBI website: www.ryobitools.com

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

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

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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