RYOBI R18MI-0

RYOBI 18V Inflator Compressor R18MI-0 User Manual

Model: R18MI-0 | Brand: RYOBI

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your RYOBI 18V Inflator Compressor R18MI-0. This versatile tool is designed for both high-pressure inflation (e.g., tires) and high-volume inflation/deflation (e.g., air mattresses, inflatable pools). Please read this manual thoroughly before first use and keep it for future reference.

Important Safety Instructions

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Always wear eye protection and hearing protection when operating the tool.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Use the correct tool for your application. Do not force the tool.
- Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing power tools.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.
- Use the power tool, accessories, and tool bits in accordance with these instructions, taking into account the working conditions and the work to be performed.

- Recharge only with the charger specified by the manufacturer.
- Do not expose battery pack or tool to fire or excessive temperature.

Package Contents

Your RYOBI 18V Inflator Compressor package includes the following components:

- 1 x RYOBI 18V Inflator Compressor (R18MI-0)
- 1 x 5.0Ah Lithium+ Battery
- 1 x RC18120-150 Fast Charger



Image: The complete RYOBI 18V Inflator Compressor kit, including the main unit, 5.0Ah battery, and fast charger.

Setup and Initial Use

Charging the Battery

Before first use, fully charge the 5.0Ah Lithium+ battery using the supplied RC18120-150 fast charger. The battery features IntelliCell technology for individual cell management, ensuring 100% charged cells and optimal durability with protection against overheating and overloading. The charger has LED indicators to show charging status.

1. Connect the RC18120-150 fast charger to a power outlet.
2. Slide the 5.0Ah Lithium+ battery onto the charger until it clicks into place.
3. Monitor the LED indicators on the charger. A full charge is indicated when the green LED remains solid.
4. Once fully charged, remove the battery from the charger.



Image: The RYOBI 5.0Ah Lithium+ battery and its dedicated fast charger.

Attaching Hoses and Nozzles

The inflator compressor comes with two types of hoses for different applications: a high-pressure hose and a high-volume hose.

1. **High-Pressure Hose (61 cm):** Used for inflating tires, sports balls, and other items requiring high pressure. Connect this hose to the high-pressure port on the unit.
2. **High-Volume Hose (30 cm):** Used for inflating and deflating large inflatable items like air mattresses, pools, and toys. Connect this hose to the high-volume port on the unit.
3. Ensure all connections are secure before operation.



Image: Close-up of the RYOBI 18V Inflator Compressor unit, showing its control panel and hose connection ports.

Operating Your Inflator Compressor

The RYOBI 18V Inflator Compressor offers both high-pressure and high-volume functions, along with a deflation mode.

High-Pressure Inflation (Up to 10.3 bars)

Ideal for vehicle tires, bicycle tires, and sports equipment.

1. Insert the charged 18V battery into the tool.
2. Attach the high-pressure hose to the item to be inflated.
3. Use the LCD screen and control buttons to pre-select your desired pressure (up to 10.3 bars).
4. Press the start button to begin inflation. The unit will automatically stop once the pre-selected pressure is reached.

High-Volume Inflation (500 L/min)

Perfect for quickly inflating large items like air mattresses, inflatable pools, and toys.

1. Insert the charged 18V battery into the tool.
2. Attach the high-volume hose to the item to be inflated.
3. Press the appropriate button to activate high-volume inflation.
4. Monitor the inflation process and stop the unit manually once the item is sufficiently inflated.



Image: A user demonstrating the high-volume inflation capability of the RYOBI inflator compressor on an inflatable pool.

Deflation Mode

The deflation mode is ideal for quickly compressing air out of mattresses and other large inflatable objects for storage.

1. Insert the charged 18V battery into the tool.
2. Attach the high-volume hose to the deflation port of the item.
3. Activate the deflation mode on the unit.
4. Allow the unit to extract air until the item is compressed.



Image: A user utilizing the RYOBI inflator compressor's deflation mode to compress items for vacuum storage.

LCD Display and Controls

The integrated LCD screen provides a precise reading of the pressure level. Control buttons allow for easy adjustment of desired pressure settings and mode selection (high pressure, high volume, deflation).

Maintenance and Storage

Proper maintenance ensures the longevity and optimal performance of your RYOBI inflator compressor.

- **Cleaning:** Regularly clean the exterior of the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure air vents are clear of debris.
- **Hose and Nozzle Care:** Inspect hoses and nozzles for any signs of wear, cracks, or blockages before each use. Replace if damaged.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, it is recommended to store batteries at a partial charge (around 50%).
- **Storage:** Store the inflator compressor in a dry, secure location, out of reach of children. Disconnect the battery when not in use or before storing.

Troubleshooting

If you encounter issues with your RYOBI inflator compressor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	Battery not inserted correctly or discharged.	Ensure battery is fully charged and properly seated.

Problem	Possible Cause	Solution
Low pressure output	Hose or nozzle not securely attached; Leak in hose/item; Incorrect mode selected.	Check all connections; Inspect hoses for damage; Ensure correct mode (high pressure/high volume) is selected.
Unit stops unexpectedly	Overheating; Battery low; Desired pressure reached (high-pressure mode).	Allow unit to cool down; Recharge battery; Check pre-set pressure.
LCD display not working	Battery low; Unit malfunction.	Recharge battery; If problem persists, contact customer support.

For issues not covered here, please refer to the manufacturer's official support channels.

Technical Specifications

Specification	Value
Manufacturer	Ryobi
Model Number	R18MI-0
Voltage	18 Volts
Max Pressure	10.3 bars (150 PSI)
High Pressure Flow Rate	16 liters per minute
High Volume Flow Rate	500 liters per minute
High Pressure Hose Length	61 Centimeters
High Volume Hose Length	30 Centimeters
Power Source	Battery Powered
Item Weight	3.5 kilograms
Special Features	High pressure up to 10.3 bars, Deflation mode
Recommended Uses	Tire inflation, general inflation

Warranty and Customer Support

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official RYOBI website. For technical support, spare parts, or service inquiries, please contact RYOBI customer service through their official channels. Always provide your product model number (R18MI-0) and serial number when seeking

support.
Official RYOBI Website: www.ryobi.eu

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