

Mellif MFMKT15P

Mellif Portable 160PSI Tire Inflator and Air Compressor

Instruction Manual for Model MFMKT15P

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1. INTRODUCTION

Thank you for choosing the Mellif Portable Tire Inflator and Air Compressor. This versatile cordless tool is designed for efficient inflation of tires, sports equipment, and for powering small pneumatic tools. It operates with Makita 18V batteries (battery not included) and features a digital pressure gauge, automatic shut-off, and an integrated LED light for convenience and precision. Please read this manual thoroughly before use to ensure safe and optimal operation.

2. IMPORTANT SAFETY INFORMATION

Always observe basic safety precautions when using this product to reduce the risk of fire, electric shock, or personal injury.

- **Read All Instructions:** Familiarize yourself with the product's operation and safety guidelines.
- **Battery Compatibility:** This tool is designed for use with Makita 18V batteries only. Do not attempt to use other battery types.
- **Tool Only:** This product is sold as a tool only. Battery and charger are not included.
- **Eye Protection:** Always wear safety glasses or goggles when operating the inflator or air tools.
- **Hearing Protection:** Wear hearing protection during extended use, especially when operating air tools.
- **Proper Ventilation:** Use in a well-ventilated area.
- **Avoid Over-inflation:** Do not exceed the recommended pressure for any item. Over-inflation can cause items to burst, leading to injury.
- **Supervise Children:** Keep children and unauthorized persons away from the operating area.
- **Secure Connections:** Ensure all hoses and adapters are securely connected before operation.
- **Storage:** Store the tool in a dry, secure place out of reach of children.
- **Not for Heavy Trucks:** This inflator is not recommended for heavy truck tires.
- **Not for Continuous Air Supply:** Not suitable for continuous air supply applications like painting, grinding, or air duster functions.

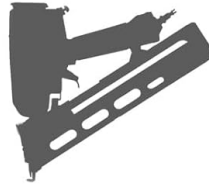
COMPATIBLE TOOLS



TIRE INFLATION



STAPLE GUN



FINISH NAILERS



BRAD NAILERS

NOT RECOMMENDED



PAINTUNG
SPRAYING



GRINDING



AIR DUSTER



CUTTING



HEAVY
TRUCK

Image Description: An illustration categorizing compatible and non-compatible uses. Compatible uses include tire inflation, staple guns, finish nailers, and brad nailers. Not recommended uses include painting/spraying, grinding, air duster, cutting, and heavy truck tires.

3. PRODUCT OVERVIEW

3.1 Package Contents

- Mellif Portable Tire Inflator and Air Compressor (Tool Only)
- 100cm (3.2 ft) Air Tool Hose
- Ball Needle Adapter
- Tire Valve Adapter
- Air Bed Adapter
- Shoulder Strap
- User Manual

3.2 Key Features

- **Cordless Operation:** Compatible with Makita 18V batteries for ultimate portability.
- **Dual Mode Functionality:** Functions as a tire inflator (up to 160 PSI) and an air compressor for pneumatic tools (up to 120 PSI).
- **Digital Pressure Gauge:** Large LCD screen displays real-time and preset pressure for accurate inflation.
- **Automatic Shut-off:** Device stops automatically once the target pressure is reached, preventing over-inflation.
- **Integrated LED Light:** Provides illumination for working in low-light conditions.
- **Ergonomic Design:** Stable base, ergonomic handle, and adjustable shoulder strap for comfortable use and transport.

- **Multiple Adapters:** Includes adapters for various inflation needs.

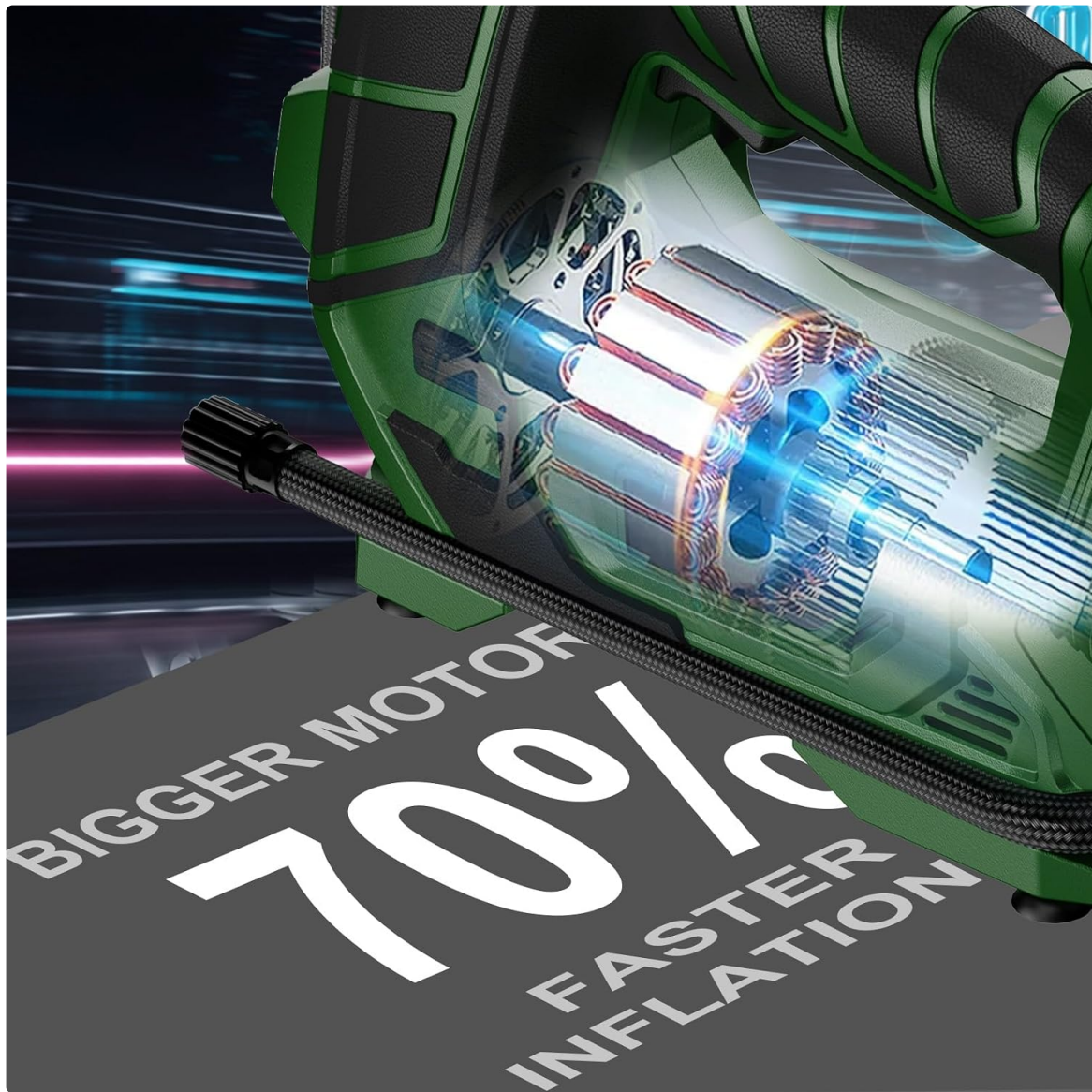


Image Description: A cutaway view of the Mellif air compressor, showing the internal motor and highlighting 'Bigger Motor 70% Faster Inflation', indicating enhanced performance.

LIGHTEST

COMPACT COMPRESSOR

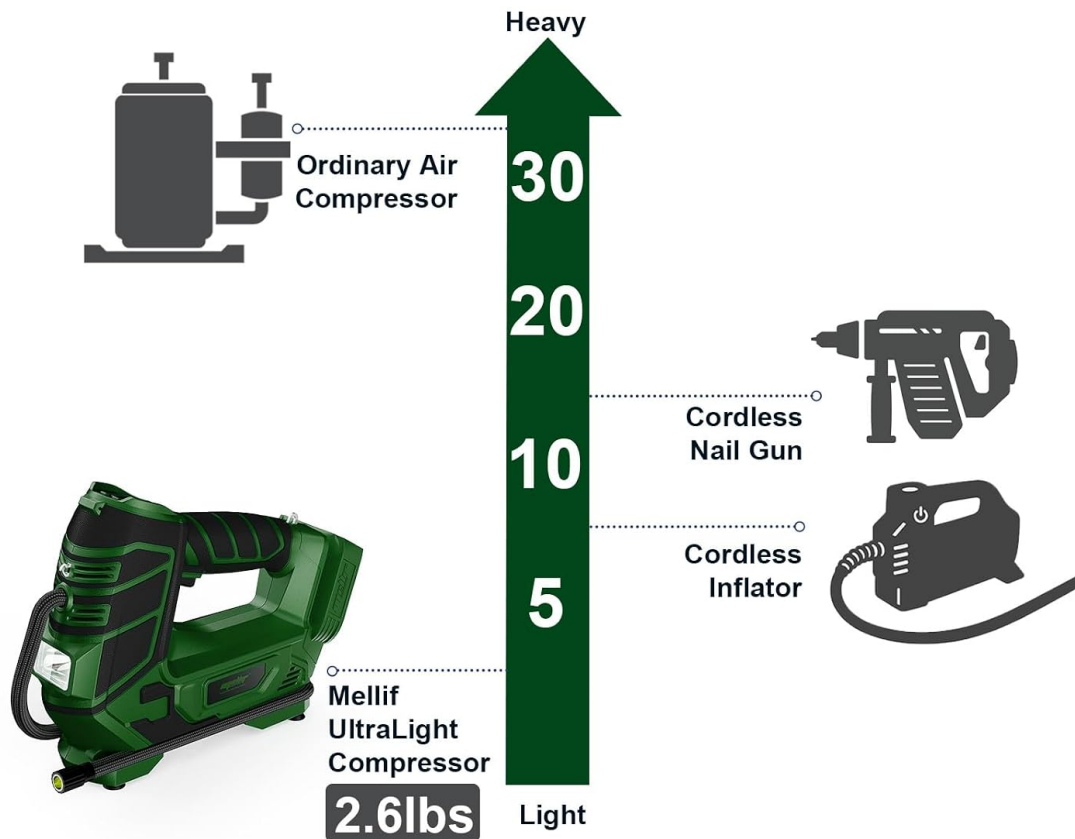


Image Description: A chart comparing the weight of the Mellif UltraLight Compressor (2.6 lbs) to ordinary air compressors, cordless nail guns, and cordless inflators, emphasizing its lightweight and compact design.

4. SETUP

4.1 Battery Installation

1. Ensure the inflator is turned off.
2. Align a charged Makita 18V battery with the battery port on the inflator.
3. Slide the battery into the port until it clicks securely into place.
4. To remove, press the battery release button and slide the battery out.

COMPATIBLE WITH MAKITA 18V BATTERY



Low Voltage
Protection



Overcurrent
Protection



Overheat
Protection



Overload
Protection

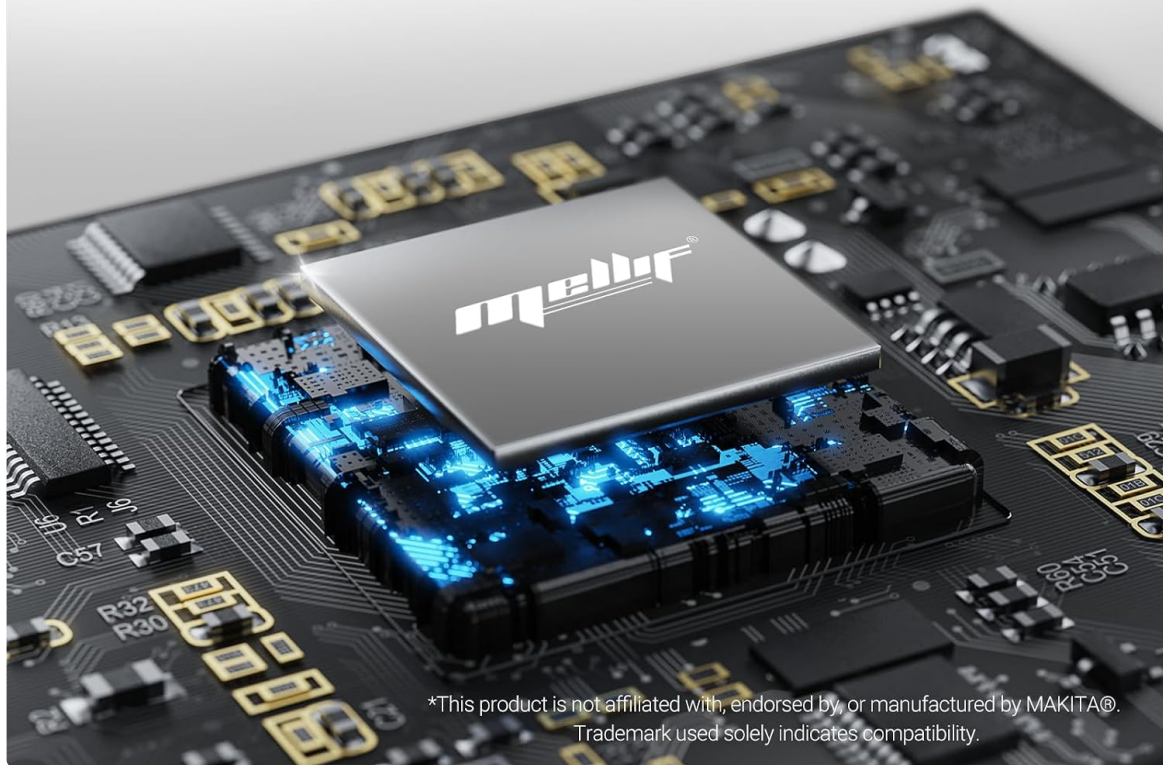


Image Description: A detailed view of a circuit board with a central chip, labeled 'Mellif', and text stating 'COMPATIBLE WITH MAKITA 18V BATTERY'. Icons for Low Voltage Protection, Overcurrent Protection, Overheat Protection, and Overload Protection are also visible.

4.2 Attaching Hoses and Adapters

1. **For Tire Inflation:** Connect the built-in inflation hose directly to the tire valve. For specific items like bicycle tires or sports balls, use the appropriate adapter.
2. **For Air Tools:** Connect the 100cm air tool hose to the designated air output port on the inflator. Then, attach your pneumatic tool to the quick-connect fitting on the other end of the hose.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press the power button to turn the unit on. The LCD screen will illuminate, displaying the current pressure. Press the power button again to turn it off.

5.2 Selecting Mode (Inflator / Air Tool)

The unit features two operating modes: Inflator Mode (up to 160 PSI) and Air Tool Mode (up to 120 PSI). Use the mode selection button to switch between these modes based on your task.

5.3 Setting Target Pressure

1. With the unit powered on, use the '+' and '-' buttons to adjust the desired target pressure on the digital display.
2. The display will show both the current pressure and your set target pressure.

5.4 Inflation Process (Inflator Mode)

1. Connect the inflation hose securely to the item to be inflated.
2. Set the desired target pressure using the '+' and '-' buttons.
3. Press the start button to begin inflation.
4. The unit will automatically stop once the preset pressure is reached.
5. Disconnect the hose from the item.



Image Description: The Mellif portable inflator connected to a car tire, with text indicating '160 PSI TIRE INFLATOR' and icons for cars, bicycles, pickups/RVs, and balls, showing its versatility for various inflation tasks.

5.5 Using with Air Tools (Air Tool Mode)

1. Connect the 100cm air tool hose to the inflator and your pneumatic tool.
2. Select Air Tool Mode.
3. The compressor will maintain pressure up to 120 PSI for continuous operation of small air tools like nail guns.
4. Monitor the pressure gauge during use.

120PSI AIR COMPRESSOR FOR NAIL GUN



Image Description: The Mellif air compressor connected via a hose to a nail gun, with text '120PSI AIR COMPRESSOR FOR NAIL GUN'. An inset shows how to connect the nail gun to the hose.

5.6 LED Light Operation

Press the dedicated LED light button to turn the light on or off. This feature is useful for illuminating your work area in dark environments.

6. MAINTENANCE

- **Cleaning:** Wipe the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the inflator in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the battery is removed if storing for extended periods.
- **Hose Inspection:** Regularly inspect hoses and adapters for wear, cracks, or damage. Replace if necessary.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on	Battery not installed correctly or discharged.	Ensure battery is fully charged and properly seated.
Slow inflation or low pressure	Hose leak, clogged nozzle, or low battery.	Check all connections for leaks. Clean nozzles. Recharge or replace battery.

Problem	Possible Cause	Solution
Unit stops unexpectedly	Overheat protection activated or target pressure reached.	Allow unit to cool down. Check if target pressure was met.
Inaccurate pressure reading	Loose connection or faulty sensor.	Ensure hose is tightly connected. If problem persists, contact customer support.

8. SPECIFICATIONS

- **Model:** MFMKT15P
- **Brand:** Mellif
- **Power Source:** Battery Powered (Compatible with Makita 18V batteries)
- **Max Inflation Pressure:** 160 PSI (Inflator Mode)
- **Max Air Tool Pressure:** 120 PSI (Air Tool Mode)
- **Material:** Plastic
- **Dimensions:** Approximately 23.88 x 19.81 x 9.91 cm
- **Weight:** Approximately 1.68 kg (without battery)
- **Features:** Digital Pressure Gauge, LED Light, Automatic Shut-off

9. WARRANTY AND SUPPORT

The Mellif Portable Tire Inflator and Air Compressor is backed by a **5-year warranty**, ensuring reliability and durability. For any questions, technical support, or warranty claims, please contact Mellif customer service through your purchase platform or the official Mellif website. Please have your model number (MFMKT15P) and purchase details ready when contacting support.