

Mellif MF15P

Mellif MF15P 20V Portable Dual-Mode Tire Inflator and Air Compressor User Manual

Model: MF15P

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Mellif MF15P 20V Portable Dual-Mode Tire Inflator and Air Compressor. This versatile tool is designed for both inflation tasks and powering pneumatic tools, offering cordless convenience and precise pressure control.

Please read this manual thoroughly before first use and retain it for future reference.

SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury.

- **Read All Instructions:** Familiarize yourself with the tool's operation and potential hazards.
- **Use in Well-Ventilated Areas:** Ensure adequate airflow, especially when operating for extended periods.
- **Eye Protection:** Always wear safety glasses or goggles when operating the inflator.
- **Hearing Protection:** Use hearing protection during prolonged operation.
- **Keep Children Away:** Do not allow children to operate or play near the inflator.
- **Proper Battery Usage:** Use only compatible 20V MAX or Mellif 20V batteries. Ensure the battery is fully charged before use. (Battery not included).
- **Avoid Over-Inflation:** Do not exceed the recommended pressure for any item being inflated. The auto shut-off feature helps prevent this, but always monitor.
- **Inspect Before Use:** Check the inflator, hose, and accessories for damage before each use. Do not operate if damaged.
- **Disconnect Power:** Always remove the battery pack when not in use, before servicing, or when changing accessories.
- **Storage:** Store the inflator in a dry, secure location, out of reach of children.
- **Temperature:** Do not expose the inflator to rain or extreme temperatures.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Mellif MF15P 20V Cordless Tire Inflator
- Ball Needle Adapter
- Tire Valve Adapter
- Air Bed Adapter
- 3.2ft (100cm) Air Hose for Pneumatic Tools
- Shoulder Strap
- User Manual (This document)

Note: Battery pack and charger are not included and must be purchased separately.

PRODUCT FEATURES

Dual-Mode Operation

Inflator Mode: Up to 160 PSI (11 BAR / 1100 KPA) for tires, balls, and inflatables.

Air Tool Mode: Up to 120 PSI (8.2 BAR / 820 KPA) for pneumatic tools like nail guns.

Digital Pressure Gauge & Auto Shut-Off

Large LCD screen displays real-time and preset pressures. Automatically stops inflation when target pressure is reached, preventing over-inflation.

Integrated LED Light

Bright 110 lumen LED light for improved visibility in low-light conditions.

Portable Design

Compact and lightweight (1.68 kg / 3.7 lbs). Features a stable base, ergonomic handle, and adjustable shoulder strap for easy transport.

Versatile Adapters

Includes multiple nozzles for various inflation needs: ball needle, tire valve, and air bed adapters, plus a dedicated hose for pneumatic tools.



Image: The Mellif MF15P portable tire inflator shown with its included accessories, demonstrating its versatility for inflating car tires, sports balls, inflatable toys, and powering pneumatic tools like nail guns.

SETUP

1. Install Battery:

Ensure the battery pack (not included) is fully charged. Align the battery pack with the battery port on the inflator and slide it in until it clicks securely into place. To remove, press the battery release button and slide the battery out.

2. Attach Shoulder Strap (Optional):

Attach the included shoulder strap to the designated attachment points on the inflator for easier portability.

3. Select and Attach Appropriate Nozzle/Hose:

Depending on your task, choose the correct adapter or hose:

- For tire inflation (cars, bikes, motorcycles), use the built-in hose.
- For sports balls, attach the ball needle adapter to the built-in hose.
- For air beds or other inflatables, attach the air bed adapter to the built-in hose.
- For pneumatic tools, connect the 3.2ft air hose to the inflator's air tool port and then to your pneumatic tool.

A. Inflator Mode (for Tires, Balls, Inflatables)

1. **Connect Nozzle:** Securely attach the appropriate nozzle (built-in hose for tires, or an adapter for balls/inflatables) to the item you wish to inflate.
2. **Power On:** Press the power button to turn on the inflator. The LCD screen will illuminate, displaying the current pressure.
3. **Set Target Pressure:** Use the '+' and '-' buttons to set your desired target pressure. The unit supports PSI, BAR, and KPA. Refer to the item's manufacturer recommendations for correct pressure.
4. **Start Inflation:** Press the start button to begin inflation. The inflator will automatically stop once the preset pressure is reached.
5. **Monitor Pressure:** While the auto shut-off is reliable, it is good practice to monitor the inflation process, especially for sensitive items.
6. **Disconnect:** Once inflation is complete, disconnect the nozzle from the item.



Image: The Mellif MF15P tire inflator connected to a car tire, demonstrating its capability to inflate to 160 PSI for various vehicles and inflatables.

B. Air Tool Mode (for Pneumatic Tools)

1. **Connect Air Hose:** Connect the 3.2ft air hose to the inflator's air tool port. Ensure a secure connection.
2. **Connect to Tool:** Attach the other end of the air hose to your pneumatic tool (e.g., nail gun).
3. **Power On:** Press the power button. The inflator will operate in air tool mode, providing up to 120 PSI.
4. **Operate Tool:** Use your pneumatic tool as required. The inflator will maintain pressure for continuous operation.
5. **Power Off:** When finished, turn off the inflator and disconnect the air hose from both the inflator and the tool.

120PSI AIR COMPRESSOR FOR NAIL GUN



Image: The Mellif MF15P air compressor connected to a nail gun, illustrating its use as a portable power source for pneumatic tools.

NO HEAVY COMPRESSOR NEEDED

Portable power for nail guns – perfect for rooftop work

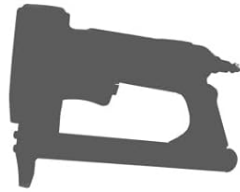


Image: A person using the Mellif MF15P with a nail gun, highlighting its portability and utility for construction tasks without a heavy compressor.

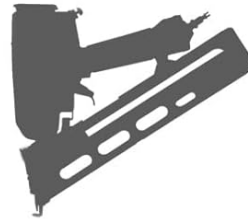
COMPATIBLE TOOLS



TIRE INFLATION



STAPLE GUN



FINISH NAILERS



BRAD NAILERS

NOT RECOMMENDED



PAINTUNG
SPRAYING



GRINDING



AIR DUSTER



CUTTING



HEAVY
TRUCK

Image: A visual guide showing compatible tools like staple guns, finish nailers, and brad nailers, and explicitly stating non-recommended uses such as painting, grinding, air dusting, cutting, or heavy truck inflation.

C. LED Light Operation

The built-in LED light can be activated independently by pressing the dedicated light button. Press once for continuous light, and again to turn it off. This is useful for working in dimly lit areas.

MAINTENANCE

- **Cleaning:** Wipe the exterior of the inflator with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure no water enters the internal components.
- **Hose and Adapter Inspection:** Regularly inspect the air hoses and adapters for cracks, kinks, or damage. Replace any damaged parts immediately.
- **Storage:** Store the inflator in a clean, dry place away from direct sunlight and extreme temperatures. Ensure the battery is removed for long-term storage.
- **Battery Care:** Follow the battery manufacturer's instructions for charging, storage, and maintenance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inflator does not turn on.	<ul style="list-style-type: none">Battery not installed correctly.Battery is discharged.Battery or inflator is damaged.	<ul style="list-style-type: none">Ensure battery is fully seated and clicked into place.Charge the battery pack.Contact customer support if damage is suspected.
Inflator runs but does not inflate.	<ul style="list-style-type: none">Hose or nozzle not securely connected.Hose or nozzle is damaged/leaking.Item being inflated has a leak.	<ul style="list-style-type: none">Check all connections for tightness.Inspect hose and nozzle for damage; replace if necessary.Check the item for punctures or leaks.
Inaccurate pressure reading.	<ul style="list-style-type: none">Nozzle not fully seated.Gauge calibration issue.	<ul style="list-style-type: none">Ensure the nozzle is firmly attached to the valve stem.If issues persist, contact customer support.
Inflator stops prematurely.	<ul style="list-style-type: none">Target pressure reached (auto shut-off).Battery is low.Overheating protection activated.	<ul style="list-style-type: none">Verify the current pressure on the LCD.Recharge the battery.Allow the unit to cool down before resuming operation.

SPECIFICATIONS

Model Number	MF15P
Brand	Mellif
Power Source	Battery Powered (20V MAX / Mellif 20V batteries)
Maximum Pressure (Inflator Mode)	160 PSI / 11 BAR / 1100 KPA
Maximum Pressure (Air Tool Mode)	120 PSI / 8.2 BAR / 820 KPA
Hose Length (Air Tool)	3.2 ft (100 cm)
LED Light Brightness	110 Lumens
Item Weight	1.68 kg (3.7 lbs)
Material	Plastic
Special Features	Automatic Shut-Off, Built-In Digital Gauge, Cordless, LCD Display, LED Light



Image: An internal view of the Mellif MF15P, illustrating its motor design for faster inflation performance.

LIGHTEST

COMPACT COMPRESSOR

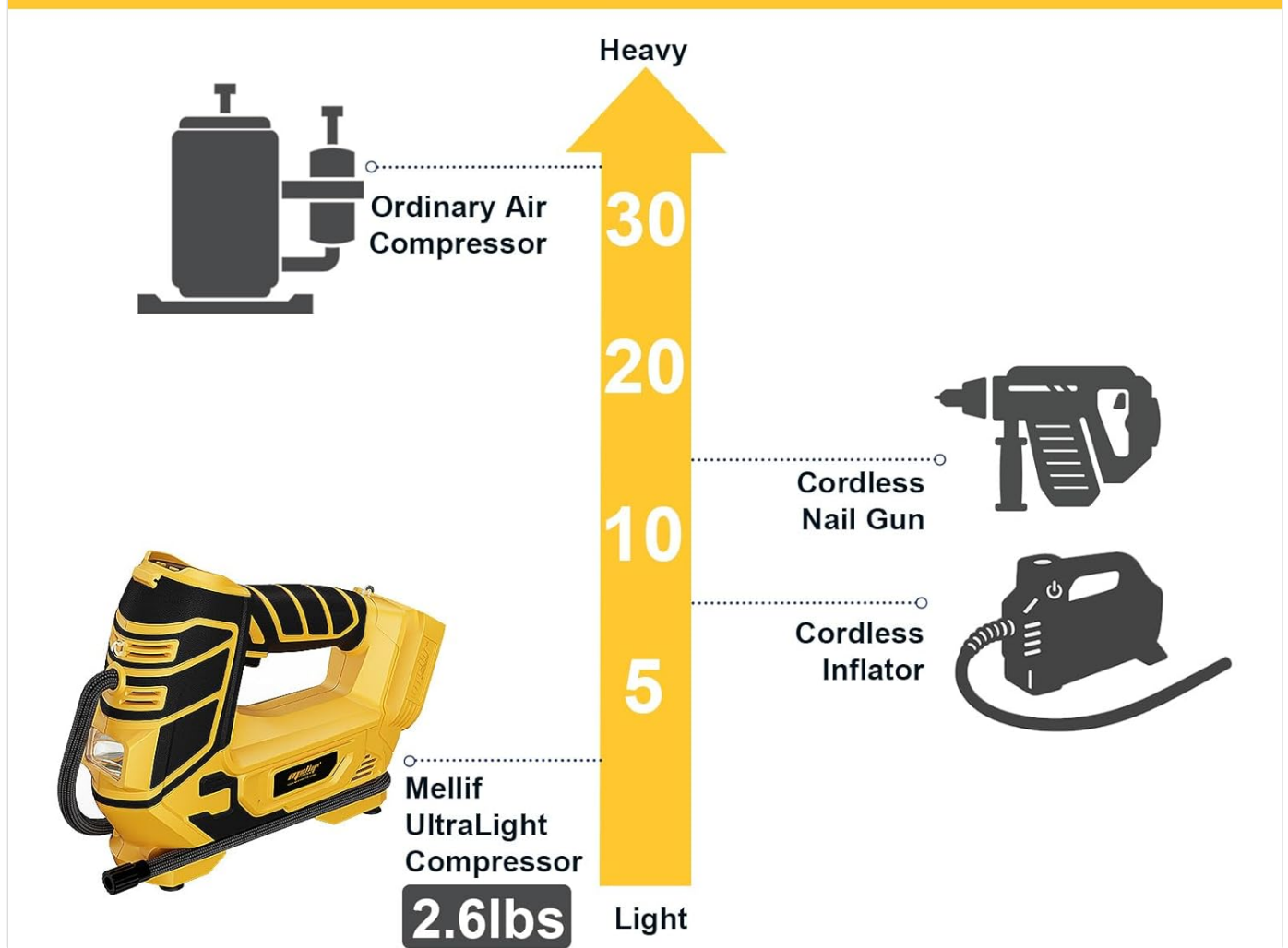


Image: A visual comparison highlighting the Mellif MF15P as a lightweight and compact compressor compared to traditional heavy air compressors.

WARRANTY AND SUPPORT

The Mellif MF15P Portable Dual-Mode Tire Inflator and Air Compressor is backed by a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any questions regarding your product, please contact Mellif customer support. Details for contacting support can typically be found on the product packaging or the official Mellif website. Please have your model number (MF15P) and proof of purchase ready when contacting support.

