

260 PSI AIR COMPRESSOR CORDLESS • RECHARGEABLE



OWNER'S MANUAL & WARRANTY INFORMATION

<u>Features</u>	<u>Inflation Uses</u>	<u>Power Uses—12 Volt</u>
Compact	Car Tires	Cellular Phones
Lightweight	Bicycle Tires	Lights
Portable	Minivan Tires	Radios
Powerful	Sports Equipment	Small Appliances
Rugged	Air Mattresses	TVs

■ IMPORTANT SAFETY INFORMATION SAVE THESE INSTRUCTIONS

THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING SAFETY, OPERATION, MAINTENANCE AND STORAGE OF THIS PRODUCT. BEFORE USING, READ AND UNDERSTAND ALL CAUTIONS, WARNINGS, INSTRUCTIONS AND PRODUCT LABELS, PLUS YOUR VEHICLE'S BATTERY AND INFLATABLE'S MANUFACTURER GUIDELINES. FAILURE TO DO SO COULD RESULT IN INJURY AND/OR PROPERTY DAMAGE.

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1. SAFETY INFORMATION AND INSTRUCTIONS

1.1. Safety Symbols

The following symbols will be used throughout this manual.

▼ **DANGER** indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

! **WARNING** indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

▲ **CAUTION** indicates a hazardous situation which, if not avoided, **MAY** result in minor or moderate injury.

→ **NOTICE** indicates important information that if not followed, may cause damage to equipment.

The following safety precautions must be followed at all times along with any additional existing safety rules.

1.2. Charging Instructions

For best results, charge the battery in temperatures ranging from 65 degrees F (18 degrees C) to 75 degrees F (24 degrees C). Inflator must be charged at least 24 hours using the 120 volt AC method prior to initial use.

A. Initial Use

The 260 PSI AIR COMPRESSOR CORDLESS • RECHARGEABLE is shipped in a partially charged state (not fully charged). The battery must be charged using the 120 volt AC before the initial use.

B. End of use/Recharge

When charge indicator runs down, recharge product before storing away, using the 120 volt AC.

C. Maintenance/Recharge/Stored Item

Recharge the unit every 3 to 6 months even if the unit has not been used.

D. General Safety Precautions

1. Completely read this product manual as well as all interactive applicable manufacturers' and/or vehicles' manuals and safety guidelines.
2. Be familiar with the proper use of the unit and all interactive applicable manufacturers' products.
3. Never exceed recommended pressures or over inflate tires/inflatable items. Bursting articles can cause serious injury. Always check pressure with the pressure gauge. It is recommended to wear protective eyewear when inflating tires/inflatable items.
4. Always wear protective clothing (i.e. no vinyl) and eyewear when using this product: contact with battery acid may cause blindness and/or severe burns. Be aware of first aid.
5. Never recharge more than 18 hours maximum using 12 volt DC method/more than 24 hours maximum using 120 volt AC method.
6. To reduce risk of damage to plug and cord, pull by plug and not the cord when disconnecting.
7. Never operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified service technician or call Vector Customer Service.
8. Never disassemble; take unit to a qualified service technician or call Vector Customer Service when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire and will void the warranty.
9. To reduce risk of electric shock, unplug charger from outlet before attempting to clean.
10. Always recharge unit after each use, recommended 120 volt AC method.
11. Avoid charging the battery at temperatures,
 - below 40 degrees F, (5 degrees C) or
 - above 105 degrees F (40 degrees C).
12. Never operate the unit near fire, flammable gas or liquid. Never expose battery to fire or intense heat as it may explode. Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).
13. Never operate the inflator after the battery indicator light comes on.
14. Never operate the inflator with the 120 volt AC recharging adapter connected to the unit as the charger could become damaged.
15. Never leave unit unattended while in use.

16. Never put metal objects into the 12 volt DC power outlet. Never insert anything other than the supplied power/recharging cords or recommended appliance power/recharging cords into the 12 volt DC charging/power outlet on this unit. Do not use any accessory that is not recommended or provided by the manufacturer. Use only the supplied cords/adapters for recharging this unit.
17. Always replace the fuse with the same type and amp rating. Never use a higher amperage fuse rating.
18. Never submerge this unit in water. When charging the unit near water, do not allow electrical cords and outlets to become moist, damp or wet - *electrical shock could result*. Always protect the unit from rain, snow or other sources of moisture. When charging unit from a 120 volt AC electrical outlet, make sure area is dry. It is recommended to use an outlet complete with a Ground Fault Interrupt (GFI) Switch.
19. Keep unit out of reach of children (whether stored, or in use)! All On/Off switches should be in the OFF position when the unit is charging or not in use. Make sure all switches are in the OFF position before connection to a power source or load.
20. There is a risk of explosive gases being released when lead acid batteries are being charged or discharged. Failure to follow instructions may cause property damage, explosive hazard, and/or personal injury.
21. DO NOT over-inflate tires/inflatable items.
22. Although this unit contains a sealed, non-spillable, lead acid battery, it is recommended to be kept upright during storage, use and recharging. When using this unit in proximity to vehicle's battery and engine, stand the unit on a flat, stable surface, and be sure to keep all clamps, cords, clothing and body parts away from moving vehicle components. Do not smoke or use flammable items (matches, cigarette lighters, etc.) while working on or near a vehicle's battery or engine system.
23. CA Prop WARNING: This product contains chemicals known to the state of CA to cause cancer or reproductive toxicity.
24. Check unit periodically for wear and tear. Replace worn or defective parts immediately; contact Vector Customer Service at (954) 584-4446 or toll free (866) 584-5504.

2. INTRODUCTION

Congratulations on selecting the **VEC270MG** 260 PSI AIR COMPRESSOR CORDLESS • RECHARGEABLE. This system is an advanced high-pressure (up to 260 PSI) multi-use air compressor system and 12 volt power source that will provide years of reliable service if maintained properly.



The **VEC270MG** 260 PSI AIR COMPRESSOR CORDLESS • RECHARGEABLE is a compact, durable and portable system that features:

- Standard tire valve chuck,
- Twin fluorescent worklight and
- 12 volt DC power source and outlet.

It is ideal for use with Vector 12 volt DC cordless, portable, rechargeable products and MAXX® SST DC/AC Power Inverters.

Use the **VEC270MG** 260 PSI AIR COMPRESSOR CORDLESS • RECHARGEABLE to:

Operate: 12 volt DC fans, inflators, fluorescent worklights, cell phones*, spotlights, TVs, portable radios, cassette or CD players, and more. *Can quick-charge a cellular phone by using the phone's 12 volt DC adapter cord.

Operate: Certain 120 volt AC accessories (requires a Vector 12 volt power inverter, sold separately)

The **VEC270MG** system has an easy-to-read, series of LED (Light Emitting Diode) charge indicators that show when the unit is fully charged, or the level of charge in the battery. Charge level can be viewed when the charge "PUSH FOR STATUS" button switch is pressed. When pressed, the CHARGE STATUS button will show the battery's power level status (from Low to Full). The green LED full indicator illuminates when the unit is fully recharged and charging can be discontinued.

A 12 volt DC accessory outlet is provided for use with appliances that can operate from a vehicle 12 volt DC accessory outlet. This allows maximum portability and utility when the **VEC270MG** is used in remote locations.



The **VEC270MG** can be recharged from any standard 120 volt AC power source using the supplied AC recharge adapter. The adapter's barrel connector attaches to the recharge port on the side panel.

A built-in 12 volt appliance outlet and the appropriate DC/DC charging/adaptor cord is used to recharge the battery from another 12 volt DC source. A "LAMP ON/OFF" switch operates the built-in fluorescent work/emergency light.



1. Built-in Twin Fluorescent Tube Emergency Worklight
2. ON/OFF Compressor's Power Switch
3. LAMP ON/OFF Switch (for worklight)
4. AC Recharge Adapter Barrel Connector Outlet
5. LED Charging/Battery Status Indicators
6. Charge Status Push Button
7. 12 Volt DC Accessory Outlet, with 15 Amp Overload Protection
8. Air Vent
9. Rubberized Handle and Base
10. 20" Air Hose and Coupler
11. 120 volt UL listed AC/DC Charging Adapter Cord
12. DC Charging Adapter Cord
13. Analogue Dial Pressure Gage



12.



11.

10.



13.



3. OPERATION - RECHARGING

→ **NOTICE:** BATTERY MUST BE CHARGED BEFORE INITIAL USE. IT IS RECOMMENDED TO USE 120 VOLT AC ADAPTER. If the power is totally drained from the battery and not recharged, the battery may not be rechargeable.

▲ **CAUTION:** This unit is NOT intended for recharging a vehicle's battery. Never start the vehicle when the 12 volt DC recharging adapter is plugged into the vehicle accessory outlet. Never insert anything other than the supplied power/recharging cords or recommended appliance power/recharging cords into the charging or power outlet on this unit.

→ **NOTICE:** Charging the battery while the vehicle's engine is not running, is not recommended as it could drain the vehicle's battery. If the unit is used too long after the red light comes on, recharging could take up to 7 hours.

3.1. 120 Volt AC Recharging

IMPORTANT: The unit's power ON/OFF switch MUST be OFF when the unit is charging or not in use.

To recharge the battery using the 120 volt AC adapter, follow these procedures:

1. Push the power switch to the "Off" position and insert the 120 volt AC recharging adapter into the AC recharge adapter barrel connector outlet located next to the battery status LED indicators.
2. Plug the charger into a 120 volt electrical outlet.
3. The red charging light will come on indicating the battery is recharging and will remain on until charger is removed. No other indicator lights will come on.
4. Charge the unit for 14 to 16 continuous hours before initial use. After multiple uses, recharge the battery for 5 to 6 hours. If the unit is used too long after the red light comes on, recharging time could take up to 20 hours and the battery life may be shortened.

→ **NOTICE:** Do not operate the unit while recharging with the 120 volt AC adapter. Damage will occur to the unit/accessory.

3.2. 12 Volt DC Recharging

▲ **CAUTION:** This unit is NOT intended for recharging a vehicle's battery. Never start the vehicle when the 12 volt DC recharging adapter is plugged into the accessory outlet.

- 1) Insert the 12 volt DC recharging adapter into the 12 volt DC accessory outlet.
- 2) Insert the other end into the vehicle accessory outlet.
- 3) The inflator should be charged for 5 to 6 hours while driving, before initial use. After multiple uses, recharge the inflator for 3 hours.

3.3. Battery Indicator Lights

The battery is at "full" charge if the green LED is lit.

If 2 red LEDs are lit up, the unit can be used but will need a charge soon.

If 1 red LED is lit, this indicates the battery must be recharged. The "red" LEDs will light when recharging the battery.

4. OPERATION AS A PORTABLE COMPRESSOR (INFLATOR)

! **WARNING:** Do not leave the inflator unattended while the unit is running. The universal adapter must be locked to secure the inflation accessories. Any misuse could cause property damage or personal injury. Use extreme caution when using inflation accessories.

▲ **CAUTION:** Turn unit off to allow inflator to cool for 10 minutes after 15 minutes of continuous operation. If not cooled properly the inflator will overheat.

→ **NOTICE:** Make sure the universal adapter touches the core of tire valve stem. The compressor is capable of inflating up to 260 pounds per square inch (PSI) pressure. To avoid over-inflation, carefully follow instructions on articles to be inflated.

▼ **DANGER:** Read all manufacturers' safety guidelines. Never exceed recommended pressures. Bursting articles can cause serious injury. Always check pressure with the pressure gauge. Never leave compressor unattended while in use.

After the battery is charged, the inflator is ready for use. If the battery has not been charged, please see section 3.1 120 Volt AC Charging before continuing.

1. Remove valve stem cap and attach the universal adapter from the air inflator to the valve stem with the lever in the up position. Be sure to press universal adapter down over valve stem threads completely. Press down on the universal adapter's lever to lock onto valve stem when the adapter is firmly in place, (See FIGURE – need artwork).
2. To use the inflation accessories, insert piece into the universal adapter and push the lever to lock into place. The inflation accessory will fit securely.
3. Insert the appropriate inflation accessory into the inflatable object.
4. Turn on the power and the compressor switch.
5. When the object is firm, turn the inflator off.

4.1. Tire Inflation or Products With A Valve Stem

The built-in 12 volt DC 260 PSI Air Compressor is the ultimate compressor for most vehicles, trailer tires and recreational inflatables.

1. Place connector (chuck) on valve stem.
2. Ensure connector is pushed on to valve stem as far as possible before closing thumb latch.
3. Make sure latch is secure.
4. Check pressure with the pressure gauge.
5. When desired pressure is reached, open thumb latch and remove connector from valve stem.
6. Turn OFF Compressor Power Switch.
7. Allow unit to cool after use, before storing away.
8. Store compressor hose and tire fitting in storage compartment.

TYPICAL INFLATION TIMES FOR PRODUCTS W/ VALVE STEMS

TIRE SIZE	PRESSURE	TIME FROM "0"
155/80R 13"	26 psi	2.50 min.
185/70R 14"	30 psi	4.50 min.
235/75R 15"	30 psi	6.50 min.
235/85R 16"	50 psi	16.00 min.
BICYCLE TIRES		
27 x 1" racing	70 psi	2.30 min.

4.2. Other Inflatables Without Valve Stem

Inflation of other items requires use of one of the adapters (nozzles).

1. Select the appropriate nozzle, located on the inside back cover.
2. Insert appropriate adapter (i.e. needle) into connector (chuck) and close thumb latch.
3. Refer to "Typical Inflation Times" for approximate pressure and time. Small items such as volleyballs, footballs, etc. inflate very rapidly.
4. Insert adapter (i.e. needle) into item to inflate to appropriate pressure.
5. Turn ON compressor switch - inflate to desired pressure or fullness.
6. Remove adaptor.

4.3. Typical Inflation Times For Products Without Valve Stems

The following are approximate pressure and inflation times for various items.

! WARNING: Always follow tire manufacturers recommendations for pressure to be inflated.

Inflatable Articles	Pressure	Time From "0 Pressure
Football	13 PSI	24 seconds
Basketball	9 PSI	20 seconds
Volleyball	5 PSI	6 seconds

5. OPERATION AS A 12 VOLT PORTABLE POWER SOURCE

→ **NOTICE:** Make sure that the unit's power ON/OFF switch is ALWAYS in the OFF position when using the 12 volt DC accessory outlet.

The unit's 12 volt power supply can power 12 volt DC items rated under 15 amps by simply inserting the item's plug into the 12 volt DC outlet.

! WARNING: Do not attempt to connect items exceeding the 15 amp, 12 volt rating. Using the compressor and a 12 volt DC item may exceed 15 amps and cause damage to the unit, item, and/or accessories.

5.1. Estimated 12 Volt DC Usage Times

Appliance Type	Estimated usage consumption in Watts	Time in Hours
CELL PHONE	1	20-120
FLUORESCENT LIGHT	4	10-30
RADIO, FAN, DEPTH FINDER	9	1-14
CAMCORDER, VCR, SPOTLIGHT	15	1-8

Appliance Type	Estimated usage consumption in Watts	Time in Hours
POWER TOOLS, BILGE PUMP	24	1-5
ELECTRIC COOLER	48	1-3
CAR VACUUM	80	1

→ **NOTICE:** ALL TIMES ARE APPROXIMATE AND ARE TYPICAL BUT MAY VARY DEPENDING UPON VEHICLE'S BATTERY CAPACITY.

6. EMERGENCY/WORKLIGHT

The twin fluorescent tube worklight is controlled by an On/Off switch on the side of the unit. The 8 watt twin tubes (4 watts each) provide the necessary light when working in low or no light situations.

→ **NOTICE:** Make sure the lamp is turned OFF when the unit is being recharged or stored.

7. REPLACEMENT PARTS

For replacement parts (bulbs, batteries, fuses, etc.), contact Vector Customer Service: (954) 584-4446 or toll-free (866) 584-5504.

7.1. Bulb Replacement

! WARNING: Make sure all power is off and unit is disconnected before attempting to remove cover and replace fluorescent tubes.

Tools needed - small Phillips screwdriver.

1. Unscrew (counterclockwise) and remove one Phillips screw.
2. Remove the lens cover.
3. Remove the fluorescent tubes.
4. Replace with new tubes.
5. Snap the lens cover back into place.
6. Replace (clockwise) the screw and carefully tighten. Do not over tighten!

7.2. Battery Replacement

It is recommended that the unit be returned to Vector Customer Service for battery replacement:

Contact (954) 584-4446 or toll-free (866) 584-5504.

! WARNING: Do not dispose of the battery in fire as this may result in an explosion. Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire!) Do not expose battery to fire or intense heat as it may explode.

7.3. Battery Disposal

The **VEC270MG** contains a maintenance-free, *non-spillable, sealed lead-acid battery*—this battery is fully recyclable and should be accepted at any location that accepts common automotive starter batteries. Examples of places that accept these batteries are: County or municipal recycling drop-off centers, scrap metal dealers and retailers who sell automotive replacement lead acid starter batteries. For more information on recycling this battery, call toll-free (877)288-7722.

8. SPECIFICATIONS

Model	VEC270MG Voltage 12 VDC
Battery Type(s)	2 Sealed, high energy density, AGM, lead-acid, rechargeable, maintenance-free, 6 volt DC, 4.5 Amp-hour
Bulb (Twin Tubes)	2 Fluorescent Tubes 4 Watts each
Accessory Socket	Protected by a 15 Amp Fuse
Charging Cord	12 volt DC
Adapter/Charger	120 volt AC (500mA 12 volt DC Output)
HEIGHT	8.5 in. (21.6 cm)
LENGTH	11 in (27.94 cm)
WIDTH / DEPTH	3.75 in(9.5 cm)
WEIGHT	7 Lbs (3.17 Kg)

9. VECTOR ONE YEAR LIMITED WARRANTY

This limited warranty program is the only one that applies to this product, and it sets forth all the responsibilities of Vector Manufacturing, Ltd., regarding this product. There is no other warranty, other than described herein.

This Vector Manufacturing, Ltd. product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for one year from the date of purchase without additional charge.

The warranty does not extend to subsequent purchasers or users. Vector Manufacturing, Ltd. will not be responsible for any amount of damage in excess of



the retail purchase price of the product under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty.

This product is not intended for commercial use. This warranty does not apply to accessories or damage to units from misuse or incorrect installation. Misuse includes wiring or connecting to improper polarity power sources.

RETURN/REPAIR POLICY: Defective products, other than accessories, may be returned postage prepaid to Vector Manufacturing. Any defective product, other than accessories, that is returned to Vector Manufacturing within 30 days of the date of purchase will be replaced free of charge. If such a product is returned more than 30 days but less than one year from the purchase date, Vector Manufacturing will repair the unit or, at its option, replace it free of charge. If the unit is repaired, new or reconditioned replacement parts may be used, at Vector Manufacturing's option.

A unit may be replaced with a new or reconditioned unit of the same or comparable design. The repaired or replaced unit will then be warranted under the terms of the remainder of the warranty period. The customer is responsible for the shipping charges on all returned items after 30 days. During the warranty period, Vector Manufacturing, Ltd. will be responsible for the return shipping charges.

LIMITATIONS: This warranty does not cover accessories, bulbs, fuses and batteries, defects resulting from normal wear and tear (including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight), accidents, damage during shipping to our service facility, alterations, unauthorized use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, fire, flood and Acts of God.

If your problem is not covered by this warranty, call our Technical Support Department (954) 584-4446 or toll free (866) 584-5504 for general repair information and charges if applicable. You may also contact us through our website www.vectormfg.com.

STATE LAW RIGHTS: This warranty gives you specific legal rights. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the exclusions or limitations stated herein may not apply. This warranty gives the purchaser specific legal rights; other rights, which vary from state to state, may apply.

TO REQUEST WARRANTY SERVICE FOR THIS PRODUCT: Contact Vector Manufacturing Technical Support by telephone, fax or mail. We suggest that you



keep the original packaging in case you need to ship the unit. When returning a product, include your name, address, phone number, dated sales receipt (or copy) and a description of the reason for return and product serial number. After repairing or replacing the unit, we will make every effort to return it to you within four weeks.

WARRANTY ACTIVATION: Please complete Warranty Activation Card and mail to Vector Manufacturing. Enter "VEC270MG as Model and "260 PSI AIR COMPRESSOR CORDLESS • RECHARGEABLE" as Product Type. All Vector Manufacturing, Ltd. products must be registered within 10 days of purchase to activate this warranty. Mail the completed registration card, along with a copy of the original sales receipt to:

ATTN.: CUSTOMER SERVICE / VECTOR MANUFACTURING, Ltd.
4140 SW 28th Way, Fort Lauderdale, FL 33312
PH: 954-584-4446 • TOLL FREE: 866-584-5504 • Fax: 954-584-5556.
You may also contact us at our web site www.vectormfg.com.
WARRANTY IS NON-TRANSFERABLE AND NON-REFUNDABLE.