

AirPRO™

**CORDED, CORDLESS,
RECHARGEABLE COMPRESSOR**



OWNER'S MANUAL & WARRANTY INFORMATION

THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING SAFETY, OPERATION, MAINTENANCE AND STORAGE OF THIS PRODUCT. BEFORE USE, READ AND UNDERSTAND ALL CAUTIONS, WARNINGS, INSTRUCTIONS AND PRODUCT LABELS. FAILURE TO DO SO COULD RESULT IN INJURY AND/OR PROPERTY DAMAGE.

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IMPORTANT SAFETY INFORMATION

Be sure to read and understand all **WARNINGS** and **CAUTIONS** before using this product. Please read this guide carefully before use to ensure optimum performance and avoid damage to the system or items that you are using it with. Failure to follow instructions may cause property damage, and/or personal injury. Warnings define conditions that can cause injury to people. Cautions define conditions that may cause damage to equipment.

WARNINGS:

1. Improperly attached hoses or nozzles can fly out under compressor pressure. Make sure all connections are tight before turning compressor ON.
2. There is risk of dust or dirt projectiles being released if the compressor hose or nozzles are not clean when the compressor is turned on.
3. Wearing protective goggles while operating this compressor can protect eyes from flying particles of dust and dirt.
4. Keep out of reach of children. This is not a toy.
5. Replace worn or defective parts immediately - contact Vector® Customer Service at (954)584-4446 or toll free at 866-584-5504.
6. During AC recharge, make sure that the AC Charging Adapter is kept away from water or moisture during use. If recharging around water, make sure the 110 VAC outlet is GFCI protected.
7. Make sure all cords and adapter wires are placed so they are not tripped over or damaged by pinching, abrading or cutting. Do not place wires near moving objects, doors or sharp objects.
8. Never exceed recommended pressures - bursting articles can cause serious injury. Always check pressure with the pressure gauge.
9. Do not carry charger and adapters by their cords, carry items by the body of unit itself.
10. There are no user serviceable parts, except for a replaceable battery pack, AC recharge adapter and hose.
11. Do not operate unit if there is any evidence of damage.
12. Never use air compressor near flammable liquids, gas or open flames.
13. Keep working area well lit.
14. Do not direct air into eyes, ears, nose or other parts of the body.

CAUTIONS:

1. When the compressor is powered from external DC, make sure the voltage is rated at 12 Volts DC. Do not operate with 6 volts or 24 volts.
2. Make sure that the compressor is not operated continuously for more than 10 minutes. Allow the compressor to cool for at least five minutes before turning it back on.
3. Make sure battery pack is fully charged before operating. Recharge every 60 days for the recommended time to extend life of battery packs internal batteries. For immediate compressor use, attach the DC adapter

and operate the compressor from an external 12 volt DC source.

4. To avoid over-inflation, carefully follow instructions on articles to be inflated.

5. Never leave compressor unattended while in use. Allow unit to cool for five minutes after 10 minutes of continuous operation.

6. Do not use accessories that are not designed to be used with the compressor.

7. Do not place battery pack on heater and keep it out of sunlight.

8. Do not charge battery when it is at or above 122° F (50° C). Allow the battery pack to cool before charging.

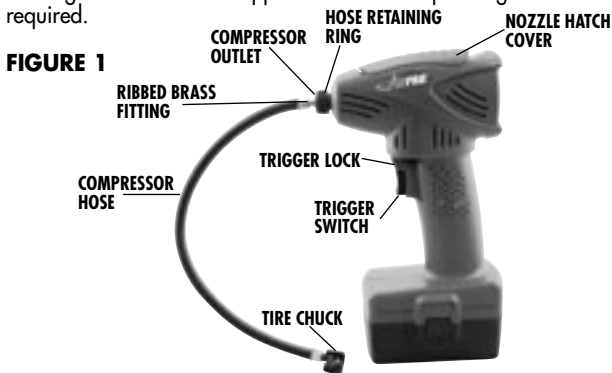
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1. INTRODUCTION

Congratulations on selecting the Vector AirPro™ Model VEC256 Compressor. This system is an advanced high-pressure (up to 260 PSI) multi-use air compressor system with unique features that set it far above the value and utility of ordinary compressors for mobile use. It is supplied with a standard tire valve chuck for filling auto, truck, bike, and motorcycle tires. Additionally, two different adapters are supplied to inflate soccer balls, footballs, and popular inflatables. These adapters are conveniently stored in a hatch in the compressor body. It is powered from its own snap-on/off powerful battery to be used anywhere it is needed. It can also operate from a standard 12 volt DC electrical system found on: trucks, cars, boats, airplanes, RVs and tractors, using the supplied DC Power Adapter. A supplied standard 110 VAC charger recharges the battery when required. Typically, up to three completely flat tires can be inflated before the snap-on battery has to be recharged.

A customer can purchase extra snap-on battery packs if completely cordless operation is required (Part VEC194). The compressor with the snap-on DC Power Adapter is ideal for use with Vector 12 volt DC cordless, portable, rechargeable DC Power supplies if extended operating time in the field is required.



The Compressor On/Off Switch controls operation of the compressor. It conveniently is depressed and released to control inflation. An exact pressure is obtained by observing the gauge and releasing the trigger when the correct pressure is achieved. For longer inflation operations, the Trigger Lock can be moved laterally to lock the trigger in the ON position. Pushing the trigger lock to the opposite direction releases the trigger (OFF) and inflation stops.

2. ADDITIONAL KEY FEATURES

- Trigger Switch with lock to allow hands free operation
- Corded -includes a DC power adapter for use with standard 12 volt power supply
- Battery Pack includes non-spillable, maintenance-free, heavy duty, sealed, high-density lead-acid battery
- Requires no maintenance (other than recharging and cleaning) for optimum operation
- Supplied 110 volt AC charger is Underwriter Laboratories (UL) safety tested and listed
- Battery Charging LED on battery automatically activated during AC recharge
- Analog Pressure Gauge to 260 PSI
- Nozzle Hatch for storing nozzles

FIGURE 2



CAUTION: This unit is delivered in a partially charged state - you must fully charge it before using it for the first time. Initial AC Charge should be for 10 hours. Refer to section 5 for use of AC Adapter and detailed charging instructions.

3. ATTACHING THE AIR HOSE

The Air Hose is supplied as a separate item from the compressor body. The hose has a ribbed brass fitting at one end and a standard tire chuck at the other end. To use the hose it must first be connected to the compressor outlet. Loosen the hose retaining ring (counterclockwise), insert the hose fitting into the short, rubber sealing sleeve. Make sure the hose fitting is inserted fully into the sleeve. Partially tighten (clockwise) the hose-retaining ring and push the fitting in further. Do this two or three times until the fitting is firmly attached and the ring is firmly tightened.

WARNING: Improperly attached hoses or nozzles can fly out under compressor pressure. Make sure the connections are tight.

WARNINGS:

1. There is risk of dust or dirt projectiles being released if the compressor hose or nozzles are not clean when the compressor is turned on.
2. Wearing protective goggles while operating this compressor can protect eyes from flying particles of dust and dirt. Failure to follow instructions may cause property damage, and/or personal injury.
3. Keep out of reach of children.

4. POWERING THE COMPRESSOR

The compressor can be powered either from a supplied battery pack or from a supplied DC Power Adapter.

4.1 POWERING FROM THE BATTERY PACK

The supplied battery pack powers the compressor for short duration, cordless operation. The Battery Pack should be fully charged initially before use (see section 5 for charging instructions.)

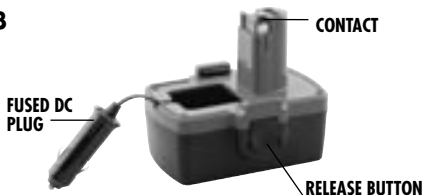
To connect the charged battery pack to the compressor, align the battery pack so that the battery release buttons snap onto the compressor. The battery pack fits only one way to ensure correct polarity of the contacts. To remove the Battery Pack, press the Battery Pack release buttons and the battery pack will release from the compressor.

4.2 DC POWER ADAPTER USE

The DC power adapter can power the compressor for longer operation from an external 12 volt power source.

The DC Power Adapter has a fused DC plug and connecting cord stored inside the DC Power Adapter. To use the DC Power Adapter, first remove the DC plug from its storage in the adapter. Deploy the cord from storage, and connect the DC Power Adapter to the compressor. Make sure it snaps into position. Connect the DC plug to a 12 Volt DC source. To remove the DC Power Adapter, press its release buttons and the Adapter will release from the compressor. Put the DC Plug and cord in the Adapter for storage after use.

FIGURE 3



5. CHARGING/RECHARGING THE BATTERY PACK

Lead-acid batteries require maintenance to maintain a full charge and to ensure good battery life. All lead-acid batteries suffer from self-discharge over time and more rapidly when they are at higher temperatures. Therefore, these types of batteries need periodic charging to replace energy lost through self-discharge. When the Battery Pack is not in use Vector recommends that the battery is recharged at least every 60 days.

All batteries must be recharged as soon as possible after each use. If a battery is allowed to remain in a discharged state, battery life will be reduced.

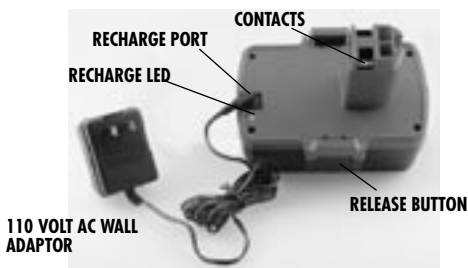
NOTE: Recharging battery after each use will prolong battery life; frequent heavy discharges between recharges will reduce battery life. Overcharging will reduce battery life. Never charge for more than 24 hours.

The time required to fully recharge the battery pack depends on the charge status of the battery after its use. If the battery is discharged from recent use recharge the battery for 8 hours.

5.1 AC RECHARGE OF BATTERY PACK

AC Recharge requires the use of the supplied AC/DC Adapter. The AC adapter must be powered from 110 volt AC, 60 Hz North American standard AC receptacles. The battery pack must be removed from the compressor body to gain access to the recharge port.

FIGURE 4



To remove the battery pack from the compressor body for charging: Make sure the trigger switch is OFF. Press both battery pack release buttons at the same time. Pull the battery pack down away from the compressor body. Insert the barrel connector of the AC Adapter into the battery pack receptacle (Recharge Port). Plug the AC Adapter into a 110 VAC standard household receptacle. Observe the red LED lights. Charge for the recommended time. Do not overcharge! Disconnect and store the AC Recharge Adapter from the battery pack and AC source when not in use.

6. COMPRESSOR/TIRE INFLATOR

This 12 Volt DC compressor is the ultimate compressor for all Vehicles, Trailer Tires and recreational inflatables. Three different sized nozzles are supplied.

IMPORTANT: Read Safety Instructions Carefully To Avoid Possible Injury Or Property Damage.

WARNINGS: The compressor is capable of inflating to 260 pounds per square inch (PSI) pressure (approximately 18 kg/cm). To avoid over-inflation, carefully follow instructions on articles to be inflated. Never exceed recommended pressures. Bursting articles can cause serious injury. Always check pressure with the pressure gauge. Never leave compressor unattended while in use. Allow unit to cool for five minutes after 10 minutes of continuous operation.

6.1 TIRE INFLATION OR PRODUCTS WITH A VALVE STEM

1. Place connector (chuck) on valve stem.
2. Push connector toward valve stem and close thumb latch.
3. Make sure connector is pushed on to valve stem as far as possible before closing thumb latch.
4. Turn on the compressor (for larger items the trigger can be latched).
5. Observe pressure with the pressure gauge.
6. When desired pressure is reached, open thumb latch and remove connector from valve stem.
7. Turn OFF compressor power switch.

IMPORTANT: Always leave the tire chuck thumb latch in the open position when storing unit.

6.2 INFLATE OTHER ARTICLES (WITHOUT VALVE STEM)

Inflation of other than tires requires use of one of the nozzles (adapters). A nozzle can be attached to the tire chuck or it can directly be connected to the compressors outlet if the hose is removed.

A nozzle can be attached to the tire chuck. Open the nozzle hatch cover and remove the required nozzle. Close the nozzle hatch cover. Place the tire chuck over the nozzle fitting and secure by moving the chuck thumb latch so it is parallel with the hose. Make sure the nozzle is clean and secure before turning on the compressor. After use, release the nozzle from the chuck by lifting the latch. Return the nozzle to the nozzle hatch.

A nozzle can also be directly attached to the compressor outlet if the hose is not required.

1. Open the nozzle hatch cover and remove the required nozzle.
2. Remove the hose from the compressor outlet by loosening (counterclockwise) the hose retaining ring and sliding out the ribbed brass fitting.
3. Close the nozzle hatch cover.
4. Insert the selected nozzle into the compressor outlet and secure it by tightening the hose-retaining ring as above.
5. After using the compressor, remove and store the nozzle in the nozzle hatch.

Refer to "Typical Inflation Times" for approximate pressure and time. Small items like volleyballs, footballs, etc. inflate very rapidly.

- Insert nozzle (e.g. needle) into item to be inflated and inflate to desired pressure
- Turn ON compressor switch - inflate to desired pressure or fullness

7. TYPICAL INFLATION TIMES

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

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

VEHICLE AND TRAILER TIRES

TIRE SIZE	PRESSURE	TIME FROM "0" PRESSURE
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

TIRE SIZE	PRESSURE	TIME FROM "0" PRESSURE
27 x 1" RACING	10 PSI	40 SEC.

INFLATABLE ARTICLES

ITEM	PRESSURE	TIME FROM "0" PRESSURE
FOOTBALL	13 PSI	24 SECONDS
BASKETBALL	9 PSI	20 SECONDS
VOLLEYBALL	5 PSI	6 SECONDS

8. MAINTENANCE/REPLACEMENT PARTS

For replacement parts (batteries, DC power adapters, AC charging adapters, cables, etc.), contact Vector Technical Support: (954) 584-4446 or toll free at 866-584-5504. Periodically, cables, hose, nozzles and connectors should be inspected for damage, corrosion, dust and dirt. If surfaces are dirty, they

can be wiped clean with a cloth moistened with water and a drop of detergent. Battery Pack contacts can be wiped clean with a dry cloth.

9. BATTERY REMOVAL/REPLACEMENT

The battery in the battery pack should be replaced with a new one when the operating capacity is reduced to about one half or the ability to inflate one and one half average sized automobile tires. Make sure that the battery is fully charged before determining that the battery pack should be replaced. Contact Vector Technical Support and ask for part VEC194. This battery pack is also used with other Vector products that include portable inflators and spotlights. For more details, please contact our Sales or Technical Support Department at 1-866-584-5504.

10. BATTERY DISPOSAL

Contains a maintenance-free, sealed, non-spillable, lead acid battery, which must be disposed of properly. Most states require recycling-contact your local municipal authority for information.

Non-spillable sealed lead-acid battery, must be recycled or disposed of properly. Recycling is required -contact your local authority for information. DISPOSAL QUESTIONS FOR USA CALL toll-free 877-288-7722.

WARNINGS:

- Do not dispose of the battery pack in fire as this may result in an explosion
- Before disposing of the battery pack, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire). Failure to comply with local, state and federal regulations can result in fines, or imprisonment

11. SPECIFICATIONS

Battery 12 Volt 3 Amp Hour, Non-spillable Sealed Lead-Acid
Compressor 260 PSI Maximum

VECTOR 1 YEAR LIMITED WARRANTY PROGRAM

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 those described herein.

This Vector Manufacturing, Ltd. product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for two years 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 10 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 two years 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. 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 at (954) 584-4446 Ext. 1 19 for general repair information and charges if applicable.

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 imitations 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 replacing the unit, we will return it to you within four weeks.

WARRANTY ACTIVATION: Please complete Warranty Activation Card and mail to Vector Manufacturing. Enter "VEC256" as Model and Compressor as "Product Type". All Vector Manufacturing, Ltd. products must be registered within (10) days of purchase. To activate this warranty, mail completed registration form, a copy of the original sales receipt and required fee (if activating extended warranty) to:

WARRANTY REGISTRATION
VECTOR MANUFACTURING, Ltd.
4140 S.W. 28th Way; Fort Lauderdale, Florida 33312



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