

AirPRO™

CORDED, CORDLESS, RECHARGEABLE COMPRESSOR AND INFLATOR COMBO



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.

4140 SW 28TH WAY, FT. LAUDERDALE, FL 33312

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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 these appliances can protect eyes from flying particles of dust and dirt.
4. Keep out of reach of children. These appliances are not toys!
5. Replace worn or defective parts immediately - contact Vector® Customer Service Department 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 or inflator 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 or inflator is powered from external DC, make sure the voltage is rated at 12 VDC. Do not operate with 6 volts or 24 volts.
2. Make sure that the appliances are not operated continuously for more than 10 minutes. Allow them 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 pack's

- internal battery. For immediate use, attach the DC adapter and operate the appliances from an external 12 volt DC source.
4. To avoid over-inflation, carefully follow instructions on articles to be inflated.
 5. Never leave appliances unattended while in use. Allow appliance to cool for five minutes after 10 minutes of continuous operation.
 6. Do not use accessories that are not designed to be used with these appliances.
 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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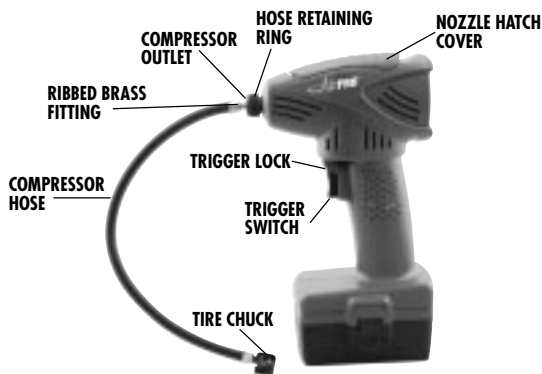
1. INTRODUCTION

Congratulations on selecting the Vector Air Pro™ Model VEC255 Compressor & Inflator Combo. 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 separate Inflator shares the battery pack and DC Power Adapter. The inflator is used to inflate: air mattresses; beach balls, etc.(See Sections 8 thru 10)

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

FIGURE 1



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 Compressor
- Nozzle Hatch for storing nozzles in compressor
- 3 nozzles for inflator

FIGURE 2



CAUTION: This battery pack 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 6 for use of AC Adapter and detailed charging instructions.

3. ATTACHING THE COMPRESSOR'S 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 OR INFLATOR

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 or inflator for short duration, cordless operation. The Battery Pack should be fully charged initially before use (see paragraph 5 for charging instructions.)

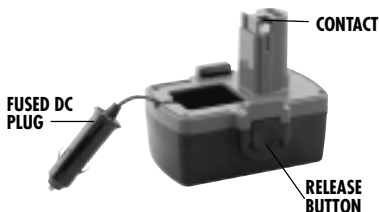
To connect the charged battery pack to either the compressor or inflator, align the battery pack so that the battery release buttons snap onto the appropriate appliance. The battery pack fits only one way to ensure correct polarity of the contacts. To remove the Battery Pack, press the Battery Pack Release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

4.2 DC POWER ADAPTER USE

The DC power adapter can power the compressor or inflator 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 it's 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 VDC source. To remove the DC Power Adapter, press it's release buttons and the Adapter will separate 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.

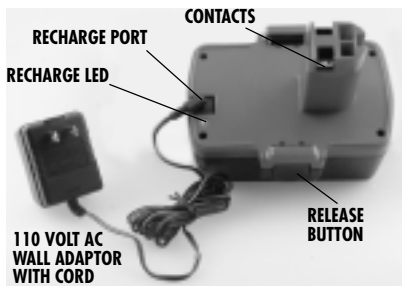
NOTE: Recharging battery after each use will prolong battery life; frequent heavy discharges between recharges will reduce battery life. Overcharging will reduce battery life. Never charge for more than 24 hours.

The time required to fully recharge the battery pack depends on the charge status of the battery after it's 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 appliance 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 appliance body. Insert the barrel connector of the AC Adapter into the battery pack's 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.

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

7. TYPICAL INFLATION TIMES FOR COMPRESSOR USE

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.

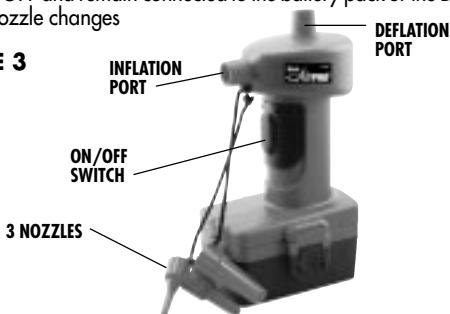
INFLATABLE ARTICLES

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

8. LOW PRESSURE INFLATOR/DEFLATOR

Congratulations on your purchase of the Vector Inflator/Deflator -The ultimate inflator for all high volume, low-pressure recreational inflatables. The VEC255 Combo Inflator/Deflator is supplied with three different sized nozzles. Each nozzle will fit either the inflation port or the deflation port. The nozzles are supplied on a cord attached to the inflator's body. The nozzles will not get lost. An On/Off switch located on the body of the inflator allows the Inflator/ Deflator to be switched OFF and remain connected to the battery pack or the DC Power Adapter during nozzle changes

FIGURE 3



8.1 INFLATING

1. Connect the inflator/deflator to either the battery pack or the DC Power Adapter.
2. Be sure the appropriate nozzle head is attached to the tapered inflating port of the inflator/deflator unit. Push the nozzle onto the inflation port to attach. The inflating port can be identified by location. It is on the side of the unit.
3. Position the nozzle against the valve of the inflatable item. Turn on the Inflator/Deflator on using the On/Off switch, and inflate the item to desired firmness. After inflation, move the nozzle away from the valve and turn the switch OFF.

8.2 DEFLATING

1. Pull off the nozzle from the inflating port of the unit and reinstall it at the deflating port of the Inflator/Deflator (on the top of the unit). Press the nozzle to attach.
2. Power the Inflator with either the battery pack or the DC Adapter.
3. Position the nozzle against the valve of the inflated item. Turn On the sport inflator/deflator using the On/Off switch and deflate the item.

NOTE: If the inflatable item's air valve is equipped with a safety flap, it maybe necessary to hold the flap open with a pencil or similarly shaped object to deflate the item.

9. 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.

10. BATTERY 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.

11. 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

12. SPECIFICATIONS

FOR COMPRESSOR:

Battery	12 Volt 3 Amp Hour, Non-spillable Sealed Lead-Acid
Compressor	260 PSI Maximum
Weight	1.82 lbs (4 kg)
Height w/battery	11.25 inches (28.57 cm)
Width	4.0 inches (10.16 cm)
Length	7 inches (17.78 cm)

FOR INFLATOR:

Nozzles	3
Voltage	DC - 12V nominal
Current	Approx. 5 Amps
Air Pressure	816 - mm H2O
Delivery Volume	175 CFM per min.
Typical Inflating time	10 minutes

120 DAY LIMITED WARRANTY REGISTRATION FORM

This Vector Manufacturing, Ltd. product is warranted to the original purchaser only for 120 days from the date of purchase, to be free of defects in materials and workmanship. Vector Manufacturing, Ltd. disclaims any liability for consequential damages. In no event will Vector Manufacturing, Ltd. be responsible for any amount of damages beyond the amount paid for the product at retail. In the event of a defective item, please ship the item prepaid, with a complete explanation of the problem, your name, address and daytime telephone number. Vector Manufacturing, Ltd. will, at its option, replace the defective part.

The following situations are not covered under this warranty:

- ✓ Cost of shipment to Vector Manufacturing, Ltd.
- ✓ Normal wear and tear, including chips, scratches, abrasions, repairs by unauthorized persons or failure to follow recommended care and use instructions.
- ✓ Damage caused by misuse, abuse, neglect, alterations, repairs by unauthorized persons, or failure to follow recommended care and use instructions.

Please activate my Limited Warranty for Model #VEC255. Enclose copy of original sales receipt.

Name _____ Street Address _____
City _____ State ____ Zip Code _____
Phone _____ Fax ____ E-mail _____
Date of purchase _____ Store where purchased _____
UPC Number from package (12 digits) _____

All Vector Manufacturing, Ltd. products must be registered within (10) days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt to:

ATTN.: CUSTOMER SERVICE / VECTOR MANUFACTURING, Ltd.
4140 SW 28th Way, Ft. Lauderdale, FL 33312

3 YEAR EXTENDED WARRANTY REGISTRATION FORM

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 three 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 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 three 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 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 at (954) 584-4446 or Toll Free at (866) 584-5504 for general repair information and charges if applicable. You may also contact us through our website at 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 "VEC255" as Model and "Rechargeable Compressor /Inflator Combo" as Product Type. All Vector Manufacturing, Ltd. products must be registered within 10 days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt to:

ATTN.: CUSTOMER SERVICE / VECTOR MANUFACTURING, Ltd.

4140 SW 28th Way, Ft. 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.

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