Air Compressor/Inflator with Spotlight/Lantern Combo
CORDED • CORDLESS • RECHARGEABLE

IF YOU SHOULD EXPERIENCE A PROBLEM WITH YOUR PURCHASE CALL TOLL FREE (866) 584-5504. IN MOST CASES A SERVICE REPRESENTATIVE CAN RESOLVE YOUR PROBLEM OVER THE PHONE.

IF YOU HAVE A QUESTION OR COMMENT, GIVE US A CALL. YOUR FEEDBACK IS VITAL TO THE SUCCESS OF VECTOR’S QUALITY IMPROVEMENT PROGRAM.

KEY INFORMATION YOU SHOULD KNOW:
• 260 PSI Compressor
• Multi-use Inflator
• Inflator Nozzles included
• AC and DC Charger/Adapters Included

OWNER’S MANUAL AND WARRANTY INFORMATION
THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING SAFETY, OPERATION, MAINTENANCE AND STORAGE OF THIS PRODUCT. READ CAREFULLY BEFORE USE, AND RETAIN FOR FUTURE REFERENCE.

4140 S.W. 28th Way, Ft. Lauderdale, FL 33312
Toll Free: (866) 584-5504
www.vectormfg.com
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 Vector Compressor/Inflator is shipped in a partially charged state (not fully charged). The battery must be charged using the 120 volt AC method before the initial use.

B. END OF USE/RECHARGE
When charge indicator runs down, recharge product before storing away, using the 120 volt AC method.

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
2. INTRODUCTION

Congratulations on selecting the VEC270S COMPRESSOR/INFLATOR with Spotlight/Lantern Combo.

- This system is an advanced high-pressure (up to 260 PSI) multi-use air compressor system and 12 volt DC power source that will provide years of reliable service if maintained properly.

The VEC270S COMPRESSOR/INFLATOR is a compact, durable and portable system that features:

- Standard tire valve chuck
- Ultra bright Spotlight/Lantern Combo
- 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 VEC270S COMPRESSOR/INFLATOR 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 DC power inverter, sold separately)

The VEC270S 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 "PUSH FOR STATUS" button is pressed. When pressed, the LEDs 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 VEC270S is used in remote locations.
3. OPERATION

**NOTICE**
BATTERY MUST BE CHARGED BEFORE INITIAL USE. IT IS RECOMMENDED TO USE 120 VOLT AC ADAPTER METHOD. 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 20 hours.

### 3.1 120 VOLT AC RECHARGING

**IMPORTANT:** The unit MUST be OFF when the unit is charging or not in use. To recharge the battery using the 120 volt AC adapter (12), follow these procedures:

1. Push the compressor power switch and lantern/spotlight power switch to the "OFF" position.
2. Insert the 120 volt AC recharging adapter into the AC recharge adapter barrel connector outlet (8) located next to the battery status LED indicators.

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1. Twin Tube Fluorescent Lantern
2. 15 Watt Spotlight
3. Analog Dial Pressure Gauge
4. 12 Volt DC Accessory Outlet, with 15 Amp Overload Protection
5. Air Hose/Coupler/Fuse Compartment
6. Battery Charge Status Push Button
7. LED Charging/Battery Status Indicators
8. AC Recharge Adapter Barrel Connector Port
9. Lantern/Spotlight ON/OFF Switch
10. Compressor’s ON/OFF Power Switch
11. 20” Air Hose and Coupler
12. 120 volt UL listed AC Charging Adapter
13. DC/DC Charging Adapter
14. Analog Pressure Gauge
15. Inflator Accessories (Nozzles) (Nozzles are stored inside compartment cover)
2. Plug the charger into a 120 volt AC 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 18 to 22 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 30 hours and the battery life may be shortened.

3.2 12 VOLT DC RECHARGING

> NOTICE Make sure unit has been fully charged.

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

> NOTICE Never start the vehicle when the 12 volt DC recharging adapter is plugged into the vehicle's 12 volt DC accessory outlet.

1. Insert the 12 volt DC/DC recharging adapter (13) into the 12 volt DC accessory outlet (5).

2. Insert the other end into a vehicle accessory outlet or other DC power source.

3. The inflator can be charged for 3 to 5 hours while driving. After multiple uses, recharge the inflator for 5 to 6 hours. 120 volt AC charging is recommended.

3.3 BATTERY INDICATOR LIGHTS

The battery is "full" charge if the green LED is lit. If 2 red LEDs are lit, 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. 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 10 minutes of continuous operation. If not cooled properly the inflator will overheat.

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.

> 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 over inflate vehicle tires.

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.

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. Switch ON the power of the compressor.

5. When the object is firm, turn the inflator OFF.
TYPICAL INFLATION TIMES FOR PRODUCTS W/VALVE STEMS

<table>
<thead>
<tr>
<th>TIRE SIZE</th>
<th>PRESSURE</th>
<th>TIME FROM &quot;0&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>155/80R 13&quot;</td>
<td>26 PSI</td>
<td>2.5 - 8 min.</td>
</tr>
<tr>
<td>185/70R 14&quot;</td>
<td>30 PSI</td>
<td>4.5 - 10 min.</td>
</tr>
<tr>
<td>235/75R 15&quot;</td>
<td>30 PSI</td>
<td>6.5 - 12 min.</td>
</tr>
<tr>
<td>235/85R 16&quot;</td>
<td>50 PSI</td>
<td>16.00 min.</td>
</tr>
<tr>
<td>BICYCLE TIRES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27 x 1&quot; racing</td>
<td>95 PSI</td>
<td>2.30 min.</td>
</tr>
</tbody>
</table>

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 adapter.
7. Switch compressor OFF.
8. Recharge unit before storing away.

4.3 TYPICAL INFLATION TIMES FOR PRODUCTS WITHOUT VALVE STEMS

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

<table>
<thead>
<tr>
<th>INFLATABLE ARTICLES</th>
<th>PRESSURE</th>
<th>TIME FROM &quot;0 PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Football</td>
<td>13 PSI</td>
<td>24 seconds</td>
</tr>
<tr>
<td>Basketball</td>
<td>9 PSI</td>
<td>20 seconds</td>
</tr>
<tr>
<td>Volleyball</td>
<td>5 PSI</td>
<td>6 seconds</td>
</tr>
</tbody>
</table>

5. 12 VOLT DC PORTABLE POWER SOURCE

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

The unit's 12 volt DC 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, AND WILL VOID WARRANTY.

5.1. ESTIMATED 12 VOLT DC USAGE TIME

<table>
<thead>
<tr>
<th>APPLIANCE TYPE</th>
<th>ESTIMATED USAGE TIME IN HOURS</th>
<th>TIME IN HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CELL PHONE</td>
<td>20 - 120</td>
<td></td>
</tr>
<tr>
<td>FLUORESCENT LIGHT</td>
<td>10 - 30</td>
<td></td>
</tr>
<tr>
<td>RADIO, FAN, DEPTH FINDER</td>
<td>1 - 14</td>
<td></td>
</tr>
<tr>
<td>CAMCORDER, VCR, SPOTLIGHT</td>
<td>1 - 8</td>
<td></td>
</tr>
<tr>
<td>POWER TOOLS, BILGE PUMP</td>
<td>1 - 5</td>
<td></td>
</tr>
<tr>
<td>ELECTRIC COOLER</td>
<td>1 - 3</td>
<td></td>
</tr>
<tr>
<td>CAR VACUUM</td>
<td>0.5 - 1</td>
<td></td>
</tr>
</tbody>
</table>

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

6. SPOTLIGHT/LANTERN

The spotlight/lantern is controlled by an ON/OFF switch on the side of the unit. The spotlight provides the necessary light when working in low or no light situations.

**NOTICE** Make sure the spotlight and lantern are turned OFF when the unit is being recharged or stored.

7. REPLACEMENT PARTS

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

**WARNING** MAKE SURE ALL POWER IS OFF AND UNIT IS DISCONNECTED BEFORE ATTEMPTING TO REMOVE COVER AND REPLACE BULB.
7.1 SPOTLIGHT BULB REPLACEMENT

Tools needed – Phillips Screwdriver
1. Unscrew bottom center screw from clear plastic cover
2. Lift and remove clear plastic cover
3. Unscrew the three screws holding the spotlight reflector (there are two screws in the bottom and one on top).
4. Lift and remove black holding bracket from spotlight reflector
5. Spotlight reflector should be loosened
6. Gently lift the reflector and bulb assembly from the housing; note that the wires are still attached to assembly
7. Unsnap the retaining wire from the reflector's flange by pinching the two ends together and lifting
8. Loosen the Phillips-head retaining screw (no need to completely remove) to loosen the bulb assembly from the reflector
9. Slightly turn and lift out the bulb from assembly (reflector housing)
10. Disconnect the bulb's assembly's white wire from the red power wire by separating the male spade terminal from the female terminal
11. Connect new bulb white wire to the red power wire
12. Twist bulb to lock.
13. Return plastic cover as detailed in section 7.1

7.2 FLUORESCENT BULB REPLACEMENT

Replacement bulb assemblies are available from an electrical supply house. You may also call Vector toll-free (866) 584-5504 or visit our web site www.vectormfg.com.

Tools needed – Philips Screwdriver
1. Set the Spotlight lantern switch to OFF.
2. Remove clear plastic cover as detailed in section 7.1
3. Grip ends of bulb and twist bulb (in any direction) until bulb pins align with notch on unit.
4. Remove bulb from unit by gently pulling straight out.
5. Insert replacement bulb into unit
6. Twist bulb to lock.
7. Return plastic cover as detailed in section 7.1

7.3 BATTERY REPLACEMENT

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

7.4 BATTERY DISPOSAL

The VEC270S 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. FUSE REPLACEMENT

The VEC270S contains a 15 amp blade fuse located in the Air Hose/Coupler/Fuse Compartment (Figure 1).

Tools needed - small needle nose pliers.
1. Open compartment cover (5).
2. Grasp blade fuse with needle-nose pliers and pull straight out.
3. Replace fuse with same size and type.

9. SPECIFICATIONS

Model .......................................................... VEC270S
Battery Type(s) .......................... 2 Sealed, high density, AGM, lead-acid, rechargeable, maintenance-free, 6 volt DC, 4 Amp-hour
Spotlight ..................................................... H3 15 Watt bulb
Lantern .......................................................... Twin Tube Fluorescent
Fuse ............................................................ 15 Amp
DC Charger/Adapter ......................... 12 volt DC/DC
AC Charger/Adapter ....................... 120 volt AC (500mA 12 volt DC Output)
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 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 “VEC270S” as Model and “Compressor/Inflator with Spotlight/Lantern” as Product Type. All Vector Manufacturing, Ltd. products must be registered within 30 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, 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.

WARRANTY IS NON-TRANSFERABLE AND NON-REFUNDABLE.
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