



**MODEL NUMBER:**

44043-440P PORTABLE COMPRESSOR

**IMPORTANT:**

It is essential that you and any other operator of the product read and understand the contents of this manual before installing and using this product.

SAVE THIS MANUAL FOR FUTURE REFERENCE



**USER MANUAL**

## IMPORTANT SAFETY INSTRUCTIONS

### CAUTION – To reduce risk of electrical shock or electrocution:

- Do not disassemble. Do not attempt repairs or modifications. Refer to qualified service agencies for all service and repairs.
- s Do not use this product in or area where it can fall or be pulled into water or other liquids.
- p Do not reach for this product if it has fallen into liquid.
- D Use this compressor with 12-volt DC systems only.
- U This product should never be left unattended during use.

### WARNING – To prevent injury:

- T Never allow children to operate this compressor. Close supervision is necessary when this compressor is being used near children.
- u This compressor will become very HOT during and immediately after use. Do not touch any part of this compressor with bare hands, other than the ON/OFF switch, during and immediately after use.
- s Do not use this product near flames or explosive materials or where aerosol products are being used.
- m Do not operate this product where oxygen is being administered.
- a Do not pump anything other than atmospheric air.
- D Never use this product while sleepy or drowsy.
- N Do not use any tools or attachments without first determining maximum air pressure for that tool or attachment.
- a Never point any air nozzle or air sprayer toward another person or any part of a person's body.
- p This air compressor is equipped with an Automatic Reset Thermal Protector, and can automatically restart after the thermal protector resets. Always cut off the power source when thermal protector becomes activated.
- a Wear safety glasses or goggles when operating this product.
- p Use only in well ventilated areas.

## SAVE THESE INSTRUCTIONS

# OPERATING INSTRUCTIONS

Please read and follow the operating instructions carefully to assure that you will enjoy the convenience and best use out of your air compressor.

## IMPORTANT:

1. Always operate the compressor at or **BELOW THE MAXIMUM PRESSURE RATING** of the compressor. Refer to the Specifications section of this manual for details.
2. Always **OBSERVE THE MAXIMUM DUTY CYCLE** of the air compressor. Refer to Specifications section of this manual for details. Operation exceeding maximum pressure ratings and/or duty cycle will result in damage to the air compressor.
3. Your air compressor is equipped with an **AUTOMATIC THERMAL OVERLOAD PROTECTOR**. This feature is designed to protect the air compressor from over-heating and causing permanent damage to your air compressor. The thermal overload protector will automatically shut off power to the air compressor should internal operating temperature of the air compressor rise above safe levels during excessive use.
4. Should at any time during use, your air compressor automatically shuts off - do not attempt to restart. Turn **ON/OFF** switch of air compressor to the **OFF** position. The automatic thermal overload protector will automatically reset when internal temperature of the air compressor drops below safe level. After allowing air compressor to cool off for about 30 minutes, you can safely resume use of the air compressor by turning the air compressor back on.
5. Please note that you may experience a slight delay (about  $\frac{1}{2}$  second) of the compressor's motor starting when the **ON/OFF** Switch is turned **ON** while compressor is pressurized (when there is pressure in the line that the compressor is connected to). This is a normal delayed reaction, not a Compressor **ON/OFF** Switch malfunction.
6. It is recommended that you keep the vehicle's engine running while using the air compressor to prevent discharge of your vehicle's battery. **ONLY OPERATE THE AIR COMPRESSOR IN WELL VENTILATED AREAS.** Compressor performance is enhanced when operating compressor with vehicle engine running.

## TIRE INFLATION & DEFLATION

**IMPORTANT:** Before attaching air compressor's power cord to power source, check to make sure that the ON/OFF switch of your compressor is in the OFF position. Attach the Positive battery clamp (Red) to the Positive terminal of the battery and the Negative battery clamp (Black) to the Negative terminal of the battery. Keep your vehicle engine running while operating compressor to avoid draining your vehicle's battery.

**CAUTION:** Your Portable Air Compressor is Dust and Moisture Resistant, but NOT DUST OR WATERPROOF. Never place compressor in soft sand while running the compressor. Vibration from the compressor will cause the compressor to settle into soft sand, resulting in compressor drawing in foreign particles. Never expose compressor to water while running the compressor.

**IMPORTANT:** Make sure compressor sits upright while operating compressor. Avoid tugging at compressor. Instead, move the compressor to the same side of the vehicle as the tires that are being aired up.

**IMPORTANT:** Always make sure the Portable Compressor's 8ft. power cord is uncoiled and fully extended when using your air compressor to avoid overheating the power cord.

## **5-in-1 INLINE INFLATOR/DEFLATOR HOSE**

### **OPERATION INSTRUCTIONS:**

This air compressor comes with 3/8" quick connect stud. Your Inline Deflator comes with extension coil hose with 3/8" quick coupler. Simply attach this multi-function extension coil hose to the 3/8" quick connect stud and you are ready to inflate tires. The Inline Deflator/Inflator Hose can be used for both Airing Up and Airing Down. Please familiarize yourself with the following different functions of this versatile air tool:

#### **A. TIRE INFLATION:**

1. Attach quick connect coupler to air compressor.
2. Push the tire chuck, with the lever in the upright position, down over the tire valve stem and then push the lever down to the horizontal position to lock in place.
3. Check to make sure the Deflator Collar Lock is disengaged.
4. Turn compressor switch on to begin inflation. When desired pressure is reached, turn compressor off.

#### **B. HANDS FREE CONTINUOUS DEFLATION:**

1. Push the tire chuck, with the lever in the upright position, down over the tire valve stem and then push the lever down to the horizontal position to lock in place.
2. Push Deflator Collar toward tire valve stem and turn Deflator Collar clockwise to engage lock.
3. When desired pressure is reached, turn Deflator Collar counterclockwise to disengage lock.

#### **C. INTERMITTENT DEFLATION:**

1. The intermittent deflation function offers fast downward pressure adjustments.
2. With tire chuck attached to tire valve stem, push Deflator Collar toward tire valve stem to decrease tire pressure.
3. Release Deflator Collar to halt deflation.

#### **D. INLINE PRESSURE GAUGE:**

1. The 2-inch Inline Pressure Gauge provides convenient tire pressure monitoring when airing up or down. This eliminates switching back and forth between tire chuck and tire pressure gauge.
2. Please note that during inflation and deflation, due to air velocity, the pressure gauge cannot provide accurate tire pressure readings. Momentarily halt inflation or deflation to obtain accurate tire pressure readings.

## **SAFETY PRECAUTIONS**

1. Always inflate tires to manufacturer's recommended tire pressures. Exercise extreme caution when driving with aired-down tires.
2. Never exceed 20 M.P.H. when driving with partially inflated tires.
3. Never make sharp turns while driving with reduced tire pressure.
4. Re-inflate tires before high speed traveling onto roadways.
5. Only use heat-resistant, minimum 200 PSI-rated working pressure extension hose. Some aftermarket hoses may not be suitable for use with this air compressor due to heat and pressure typically generated by this type of air compressors.
6. Use of a close-ended tire chuck will cause excessive pressure buildup if the tire chuck is not attached to tire valve stem while air compressor is in operation.
7. **IMPORTANT:** Always use an Open-Ended tire chuck such as the tire chuck equipped on the Inflator/Deflator Coil Hose for tire inflation.

**CAUTION:** Never touch the air compressor or fittings connected to the air compressor with bare hands during or immediately after use. The fittings on extension hose will become very HOT during use. If necessary, wear heat resistant gloves to remove extension hose from primary hose.

## **MAINTENANCE & REPAIRS**

1. Your air compressor is equipped with a permanently lubricated, maintenance-free motor. Never try to lubricate the compressor.
2. Regularly clean dust and dirt from compressor cooling fins and motor housing.
3. Only the Manufacturer or Manufacturer authorized service agencies should perform repairs.

## TROUBLESHOOTING CHART

PROBLEM	POSSIBLE CAUSE(S)		CORRECTIVE ACTION	
Compressor will not run	1	No power, or switch in OFF position	1	Make sure compressor switch is ON
	2	Blown fuse	2	Disconnect compressor from power source, replace fuse. (Refer to Specifications section for correct fuse).
	3	Motor overheats	3	Let compressor cool off for about 30 minutes to allow thermal overload reset
Thermal Overload Protector cuts out repeatedly	1	Lack of proper ventilation or ambient temperature is too high	1	Move compressor to well ventilated area or area with lower ambient temp.
	2	Compressor valves failed	2	Replace compressor.
Excessive knocking or rattling	1	Worn bearing on eccentric or motor shaft	1	Repair or replace compressor
	2	Cylinder or piston ring is worn	2	Repair or replace compressor
Compressor air flow lower than normal, or can't pump to higher pressures	1	Worn piston ring or inlet valve	1	Repair or place compressor

## SPECIFICATIONS

### Part Nos. 44043 / 440P Portable

Motor Voltage:	12 volt
Motor Type:	Permanent Magnetic
Max. Working Pressure:	150 PSI
Continuous Use @ 72°F & 30 PSI:	30 Minutes
Max. Current Consumption:	40 amps
Fuse:	50 amps
Inline Pressure Gauge:	120 PSI
Auto. Reset Thermal Protection:	Yes

### LIMITED WARRANTY

VIAIR Corporation warrants this product, when properly installed and under normal conditions of use, to be free from defects in workmanship and materials for a period of one year from provided date of purchase. To receive a replacement or for repairs, return the complete unit to retailer from whom

it was purchased along with proof of purchase.

Returns should be made within the time period and conditions of the retailer's policy for exchanges. If you are unable to contact your dealer, contact VIAIR directly for repairs or replacement at our option.

**PLEASE NOTE:**

**THIS WARRANTY COVERS PRODUCT DEFECTS ONLY; IT DOES NOT COVER INCIDENTAL OR CONSEQUENTIAL DAMAGES AS RESULT OF MISUSE OR ABUSE.**