
Owner's Manual

Compressor Specifications

Model Number	APC4406
Horse Power	1.5
Tank Capacity Gallons/Liters	4.6 Gallon
Voltage/Amps/Phase	120/2.6/1
Kick-In Pressure	85
Kick-Out Pressure	115



WARNING! The power cord on this product contains lead, a chemical, known to the state of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling

Precautions

- Drain the moisture from the tank daily to help prevent corrosion.
- Pull the pressure relief valve ring daily to ensure proper function and clear possible obstructions
- To provide proper ventilation for cooling, the compressor must be kept at least 12 inches (31cm) from the nearest wall, in a well-ventilated area.
- Fasten the compressor securely and release tank pressure before transporting.
- Protect the air hose and electronic cord from damage and puncture. Inspect them weekly for weak or worn spots, and replace if necessary.
- To reduce the risk of electric shock, do not expose to rain. Store indoors.
- Never operate the compressor if the power cord or plug are damaged. Take the equipment to nearest authorized service center and a specialist technician will replace it.

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Compressor (cont'd)

Basic Air Compressor Components

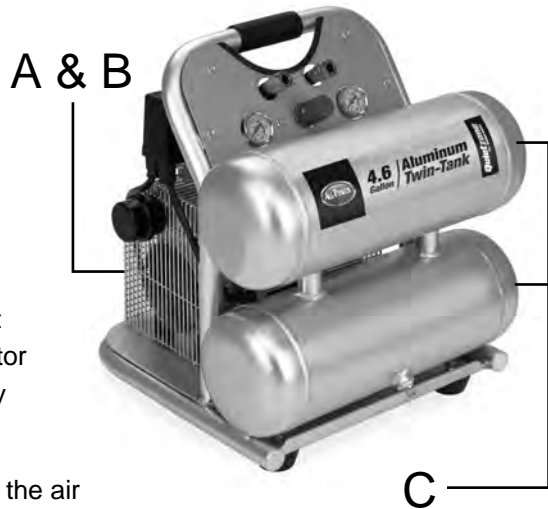
Oil-less aircompressor are factory lubricated for life and do not require any oil.

The basic components of the air compressor the electric motor, pump, pressure switch, and tank. The electric motor (see A) powers the pump. The electric motor is equipped with an overload protector and an automatic reset. If the motor becomes overheated, the overload protector will shut it down to prevent damage to the motor. When the motor sufficiently cools, it will automatically restart.

The dual pump (see B) compresses the air and discharges it into the tank.

The tank (see C) stores the compressed air.

The pressure switch (located internally) shuts down the motor and relieves air pressure in the pump and transfer tube when the air pressure in the tank reaches the kick-out pressure. As compressed air is used and the pressure level in the tank drops to the kick-in pressure, the pressure, the pressure switch restarts the motor automatically, without warning, and the pump resumes compressing air.



Assembling the Air Compressor

Unpack the air compressor. Inspect the unit for damage. If the unit has been damaged in transit, contact the carrier and complete a damage claim. Do this immediately because there are time limitations to damage claims. The carton should contain.

- Air Compressor
- Manual

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Compressor (cont'd)

Assembling the Air Compressor

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- Air Compressor
- Manual
- Air Filter

1) Attach Air Filter and screw in properly.

Air Filter



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COMPRESSOR CONTROLS

Power switch: This switch turns the compressor power ON and OFF.

Pressure Relieve Valve: If the pressure switch does not shut down the motor when pressure reaches the preset level, this valve will pop open automatically to prevent over pressurization. To operate manually, pull the ring on the valve to relieve air pressure in the tank.

Tank Pressure Gauge: This gauge measures the pressure level of the air stored in the tank. It is not adjustable by the operator and does not indicate line pressure.

Air Pressure Regulator: This air pressure regulator enables you to adjust line pressure to the tool you are using.



WARNING! NEVER EXCEED THE MAXIMUM WORKING PRESSURE OF THE TOOL. TURN THE KNOB CLOCKWISE TO INCREASE PRESSURE, AND COUNTERCLOCKWISE TO DECREASE PRESSURE.

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Electrical Power Requirements

Electrical Wiring

Refer to the air compressor's serial label for the unit's voltage and amperage requirements. Use a dedicated circuit. For best performance and reliable starting, the air compressor must be plugged into a dedicated circuit, as close as possible to the fuse box or circuit breaker. The compressor will use the full capacity of a typical 15 amp household circuit. If other devices are on the same circuit, the compressor may fail to start. Low voltage or an overloaded circuit can result in sluggish starting that causes the motor overload protection system circuit breaker to trip, especially in cold conditions.



Note: A circuit breaker is recommended. If the air compressor is connected to a circuit protected by a fuse, use dual element time delay fuses (Buss Fusetron type "1" only).



Note: Avoid use of extension cords. If using an extension cord is necessary, be sure to use an extension with the correct specifications.

For optimum performance, plug the compressor power cord directly into a grounded wall socket. Do not use an extension cord unless absolutely necessary. Instead, use a longer air hose to reach the area where the air is needed.

If use of an extension cord cannot be avoided, the cord should be no longer than 100 feet and be a minimum wire size of 14 gauge (AWG).

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ELECTRICAL POWER REQUIREMENTS (cont'd)

Extension Cord

Use the chart on the right for the proper extension cord length.

Use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug of the product. Make sure your extension cord is in good condition. An undersized cord will cause a drop in line voltage as well as a loss of power and overheating. The smaller the gauge number, the heavier the cord.

AMP RATING	LENGTH OF CORD IN FEET			
(120 Volts)	25'	50'	100'	150'
10-12	16	14	10	8
12-14	16	12	10	8
14-16	16	12	10	8
16-18	14	12	8	8
18-20	14	12	8	8

Grounding Instructions

This product is equipped with a cord having a grounding wire and appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinance.



WARNING! IMPROPER INSTALLATION OF THE GROUNDING PLUG CAN RESULT IN A RISK OF ELECTRIC SHOCK. IF REPAIR OR REPLACEMENT OF THE CORD OR PLUG IS NECESSARY, DO NOT CONNECT THE GROUNDING WIRE TO FLAT BLADE TERMINAL. THE WIRE INSULATION HAVING AN OUTER SURFACE THAT IS GREEN WITH, OR WITHOUT, YELLOW STRIPES IS THE GROUNDING WIRE.

This product is for use on a nominal 110 volt circuit. An outlet having the same configuration as the plug. No adapter should be used with this product. Do not alter the plug to fit into a non-Ground or 2-slot receptacle.

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BREAKING IN THE PUMP

1. Turn the switch to the OFF position.
2. Open the petcock. Turn counterclockwise (loosen).
3. Plug in the power switch to the ON position.
4. The compressor will start.

ALLOW THE COMPRESSOR TO RUN FOR 15 MINUTES, TO BREAK IN THE INTERNAL PARTS.



CAUTION: AFTER ABOUT 15 MINUTES. IF THE UNIT DOES NOT OPERATE PROPERLY, SHUT DOWN IMMEDIATELY AND CONTACT PRODUCT SERVICE CENTER 888-896-6881.

5. After about 15 minutes, turn the power switch to the OFF position.
6. Close the petcock. Turn in the clockwise direction.
7. Turn the power switch to the ON position. The compressor will start and fill the tank to the kick-out pressure and stop.



Note: As compressed air is used, the pressure switch will restart the motor automatically.



Note: During the initial break-in cycle, there will be a slight electrical smell as the motor brushes seat. This is normal for universal motors and will last for about 5 minutes.

OPERATING INSTRUCTIONS

Daily Startup

1. Turn the power switch to the OFF position.
2. Close the tank petcock. Turn in the clockwise direction.
3. Plug in the power cord.
4. Turn the power switch to the ON position.

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OPERATING INSTRUCTIONS



WARNING! HIGH TEMPERATURES ARE GENERATED BY THE ELECTRICAL MOTOR AND THE PUMP. TO PREVENT BURNS OR OTHER INJURIES, DO NOT TOUCH THE COMPRESSOR WHILE IT IS RUNNING. ALLOW IT TO COOL BEFORE HANDLING OR SERVICING. KEEP CHILDREN AWAY FROM THE COMPRESSOR AT ALL TIMES.



WARNING! WHEN ADJUSTING FROM A HIGHER TO A LOWER PRESSURE, TURN THE KNOB COUNTERCLOCKWISE TO REACH THE DESIRED PRESSURE. DO NOT EXCEED OPERATING PRESSURE OF THE TOOL OR ACCESSORY BEING USED.

5. Adjust the regulator to the working pressure of the tool. (never exceed 90 PSI)

Shut down

1. Turn the power switch to the OFF position.
2. Unplug the power cord.
3. Reduce pressure in the tank thorough the outlet hose. You can also pull the relief valve ring and keep it open in the tank.



WARNING! ESCAPING AIR AND MOISTURE CAN PROPEL DEBRIS THAT MAY CAUSE EYE INJURY. WEAR SAFETY GOGGLES WHEN OPENING PETCOCK.

4. Tip the compressor (if necessary for your model) so the petcock is at the bottom of the tank(s).Then open the petcock to allow moisture to drain from the tank.

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MAINTENANCE (cont'd)

Relieve the air pressure in the system and open the petcock on the bottom of the tank to drain.



WARNING! CONDENSATION WILL ACCUMULATE IN THE TANK. TO PREVENT CORROSION OF THE TANK FROM THE INSIDE, THIS MOISTURE MUST BE DRAINED AT THE END OF EVERY WORKDAY. BE SURE TO WEAR PROTECTIVE EYEWEAR.



Note: In cold climates, drain the tank after each use to reduce problems with freezing of water condensation.

Testing for Leaks

Check that all connections are right. A small leak in any of the hoses or pipe connections will substantially reduce the performance of your air compressor. If you suspect a leak, spray a small amount of soapy water with spray bottle. If bubbles appear, repair or replace the faulty component. Do not over tighten any connections.

Storage

Before storing the compressor for a prolonged period, use an air blow gun to clean all dust and debris from the STORAGE compressor. Disconnect the power cord and coil it up. Pull the pressure relief valve to release all pressure from the tank. Cover the entire unit to protect it from moisture and dust.

Servicing

Perform the following maintenance at the intervals indicated below:

- Operate the pressure relief valve: Daily
- Drain air from tank daily

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LIMITED WARRANTY

All-Power warrants to the original purchaser who uses the product in a consumer application (personal, residential or household usage) that all products covered under this warranty are free from defects in material and workmanship for one year from the date of purchase. All products covered by this limited warranty which are used in commercial applications (i.e. income producing) are warranted to be free of defects in material and workmanship for 90 days from the date of original purchase. Products covered under this warranty include air compressors, air tools, service parts, pressure washers and generators. All-Power America will repair or replace at All-Power's sole option, products or components which have failed within the warranty period. Service will be scheduled according to the normal work flow and business hours at the service center location, and the availability of replacement parts. All decisions of All-Power with regard to this limited warranty shall be final. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RESPONSIBILITY OF ORIGINAL PURCHASER (Initial User):

To process a warranty claim on this product, DO NOT return item to the retailer. The product must be evaluated by an Authorized Warranty Service Center. For the location of the nearest Authorized Warranty Service Center contact the retailer or place of purchase. Retain original cash register sales receipt as proof of purchase for warranty work.

Use reasonable care in the operation and maintenance of the product as described in the Owner's Manual(s).

Deliver or ship the product to the nearest Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.

Air compressors with 60 and 80 gallon tanks will be inspected at the site of installation.

Contact the nearest Authorized Warranty Service Center that provides on-site service calls for service call arrangements.

If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact All-Power .

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LIMITED WARRANTY (cont'd)

THIS WARRANTY DOES NOT COVER:

Merchandise sold as reconditioned, used as rental equipment, or floor or display models.

Merchandise that has become damaged or inoperative because of ordinary wear, misuse, cold, heat, rain, excessive humidity, freeze damage, use of improper chemicals, negligence, accident, failure to operate the product in accordance with the instructions provided in the Owner's Manual(s) supplied with the product, improper maintenance, the use of accessories or attachments not recommended by All-Power, or unauthorized repair or alterations.

Repair and transportation costs of merchandise determined not to be defective.

Costs associated with assembly, required oil, adjustments or other installation and start-up costs.

Expendable parts or accessories supplied with the product which are expected to become inoperative or unusable after a reasonable period of use.

Merchandise sold by All-Power which has been manufactured by and identified as the product of another company, such as gasoline engines. The product manufacturer's warranty, if any, will apply.

ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECTS, FAILURE OR MALFUNCTION OF THE PRODUCT IS NOT COVERED BY THIS

WARRANTY. Some states do not allow the exclusion, so it may not apply to you.

IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR

FROM THE DATE OF ORIGINAL PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply.



DO NOT RETURN TO STORE

For Technical Assistance Please Call 888-896-6881