

OPERATION AND MAINTENANCE INSTRUCTION MANUAL

AIRPAC III COMPRESSOR AA-100-110 (110 VOLTS)



Aseptico

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To prevent injury to people and damage to property, please heed relevant warnings and remarks. They are marked as follows:

WARNING: Serious injury or death may result if ignored.

CAUTION: Damage to property or the environment may result if ignored.

NOTE: Important additional information and hints.

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Your new Aseptico AIRPAC III Compressor is one of the finest oilless 1.0 horsepower air compressors available to the professional. Performance in tandem with portability make the AIRPAC III the ideal choice. The compressor is secured in its own carrying case and includes an air storage tank and an automatic pressure switch control.

Congratulations!

This system is engineered to provide many years of reliable service. Please read the instructions provided in this manual to receive the best and longest service from your Aseptico equipment.

Separate manuals may be provided to cover the operation and maintenance of other accessories for your unit.

PACKAGE CONTENTS:

- AIRPAC III Compressor Unit
- AC Power Cord (P/N 840044)
- Air Filter (P/N 730429)
- Spare Fuse (P/N 830134)



WARNINGS and SAFETY PRECAUTIONS:

To prevent injury to people and damage to property, please heed relevant warnings and remarks. They are marked as follows:

WARNING: Serious injury or death may result if ignored.

CAUTION: Damage to property or the environment may result if ignored.

NOTE: Important additional information and hints.

Aseptico accepts no liability for direct or consequential injury or damage resulting from improper use, arising in particular through the non-observance of the operating instructions, or improper preparation and maintenance of this product.

WARNING: Use for intended purposes only. Failure to observe the operating instructions may result in the patient or user suffering serious injury or the Product being damaged, possibly beyond repair. Before using this product, make sure that you have studied and understood the operating instructions.

CAUTION: All repairs are to be performed by authorized Aseptico service personnel only.

WARNING: Do not install where there is a risk of an explosion. The AIRPAC III is not intended for operation in the presence of flammable anesthetics or gases.

CAUTION: Connect mains power cable to a properly grounded outlet only.

CAUTION: Use only approved appliance cords for North America with Hospital Grade Plugs.

CAUTION: Replace Fuse with Rated 15A, 250V, SLO_BLO fuse ONLY!

OPERATION:

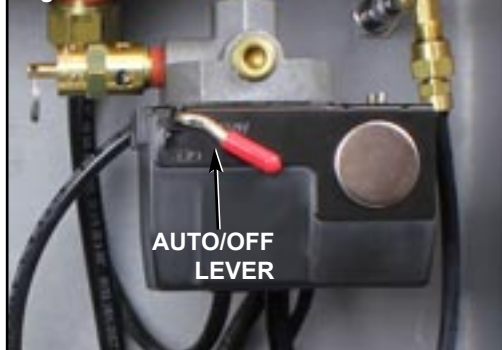
1. After unpacking the compressor and standing it upright, as shown (see Figure 1) open the case and remove the power cord from inside. Plug the power cord into the receptacle on the exterior side of the case (see Figure 1) and then into a grounded power outlet.

Figure 1- Case Side View



2. The AIRPAC III compressor is operated by an AUTO/OFF lever on the top side of the pressure switch inside the compressor case (see Figures 2 & 4). By turning the lever to the 'AUTO' position, the compressor will start and stop automatically to maintain pressure. The pressure switch is factory adjusted to properly start and stop. To turn the compressor off, turn the lever to the 'OFF' position.

Figure 2- Pressure Switch Auto/Off Lever

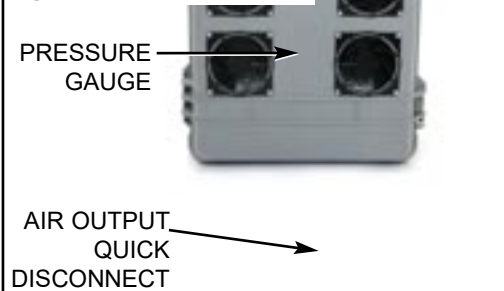


3. After plugging the compressor in and turning it on, close the lid for operation. Let the compressor run until it stops, indicating full pressure.

IMPORTANT:

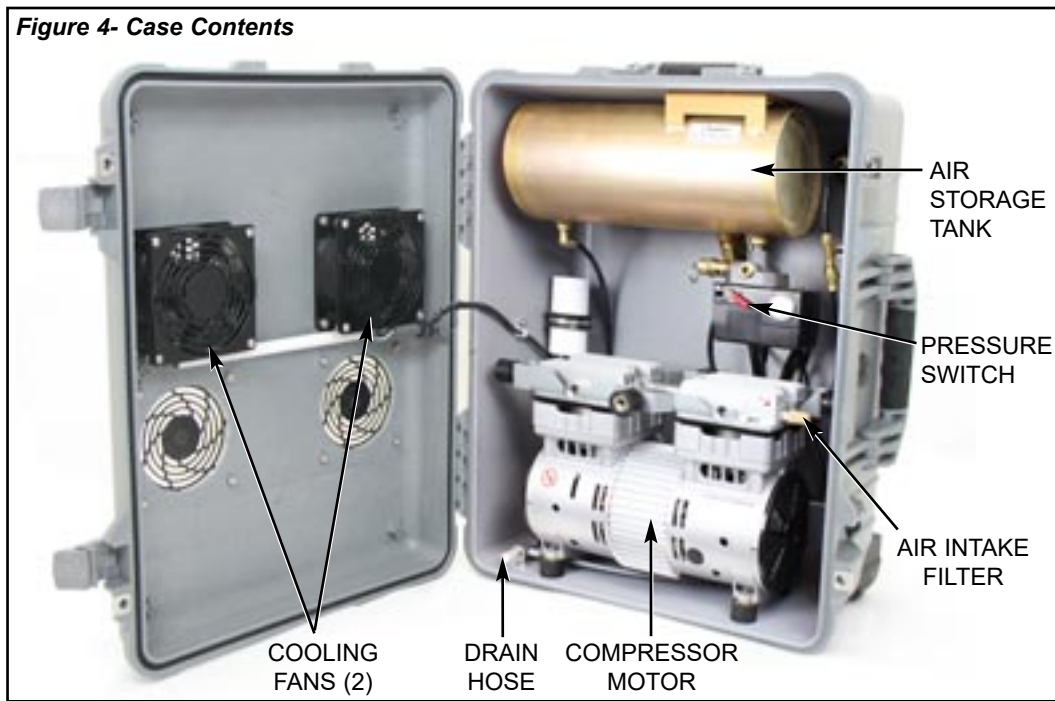
If the electric power is interrupted by a power failure, unplugging the power cord, or by any other means, while the compressor is running, turn the AUTO/OFF lever to 'OFF' and then back to 'AUTO' to relieve back pressure and restart the compressor. If the power is interrupted, follow these steps immediately to prevent any motor damage.

Figure 3- Case Back View



4. Locate the air output 1/4" (or 3/8") quick disconnect and pressure gauge on the exterior side of the compressor case (see Figure 3). Connect a 1/4" (or 3/8") male coupling from your equipment to the air output fitting. The pressure gauge indicates pressure in the air storage tank and gives a visual indication that the compressor is maintaining pressure properly.
5. The AIRPAC III compressor will cycle on and off as air is consumed during use. This is normal for operation. Turn compressor off if not used for extended periods of time.

Figure 4- Case Contents

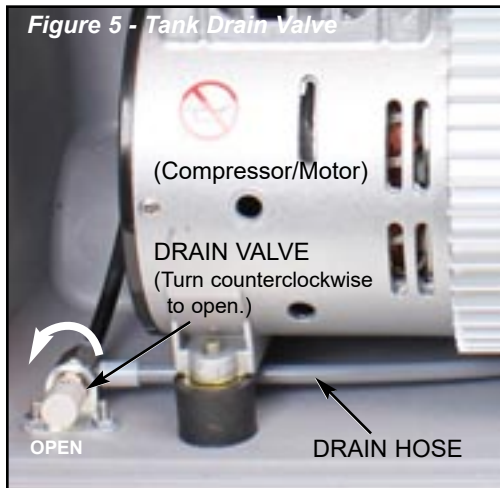


RULES FOR SAFE OPERATION:

1. The compressor should be located in a dry, clean, and well ventilated area.
2. Ensure the case is upright during use. Do not position the front (fan-side) of the unit close to walls or objects that might restrict the flow of air in/out of the unit.
3. For proper operation and to maximize the longevity of the air compressor, it is very important that the air drawn into the air compressor is clean.
4. This compressor needs no lubrication and should never be oiled. Applying oil to any part could result in polluted air delivery to the air handling equipment.
5. If compressor is run for extended periods of time, open case for more efficient cooling.
6. All compressors generate heat even under normal operating conditions. To avoid serious burns, never touch the compressor during or immediately after operation.
7. When unit is not in use, wrap cord and store inside compressor. Do not sharply bend, pinch, or abuse the cord.
8. Servicing should always be performed by an Authorized Service Center.
9. ALWAYS use a grounded 3-prong plug-in.
10. **IMPORTANT:** Always use the air filter, properly installed.
11. **WARNING:** Use caution to minimize the risk of fire or explosion. Always operate the AIRPAC III at a safe distance away from flammable items. Risk of explosion if used in the presence of flammable anesthetics.

MAINTENANCE:

AIR STORAGE TANK- To avoid the risk of moisture in the air lines or tank failure, drain the tank after every use or every four hours of running time to prevent condensation build-up and corrosion inside the tanks. To drain tank, allow the compressor to fully pressurize and then turn pressure switch AUTO/OFF lever to the 'OFF' position. Remove power cord from the receptacle on the side of the compressor case, then carefully turn the drain valve located next to the compressor (see Figure 5) counterclockwise to open (clockwise to close). Place open end of drain hose into a collection container and allow the water to drain out with the air.



ELECTRICAL- The motor of this compressor has a thermal overload protector. If the motor should overheat, the overload protector will shut off the motor. If this should occur, turn the compressor off immediately and allow the motor to cool. Restart the compressor. If the compressor fails to start, the compressor may need to cool further before attempting to restart. If the overload protector shuts the motor off frequently, you may have a low

voltage situation. Low voltage can be suspected when:

1. The motor does not get up to full power or speed.
2. Lights dim when the compressor is started.
3. Other motor operated appliances fail to operate properly.
4. Compressor shakes or hesitates when starting.

A primary cause of voltage drop is using an extension cord that is not heavy enough to carry the current the AIRPAC III compressor draws. An under-size or over-length extension cord will cause a drop in line voltage, resulting in loss of power and overheating. Aseptico does not recommend using an extension cord when powering the AIRPAC III compressor unit.

AIR FILTER- The air filter is located on the right-hand side of the compressor intake head (see Figure 6). Under normal use, the filter should not require any cleaning or maintenance, however, if the compressor indicates a decrease in the supply air, it might be necessary to replace the filter element. To replace, unscrew the filter and install a new one (contact Aseptico for a replacement filter).



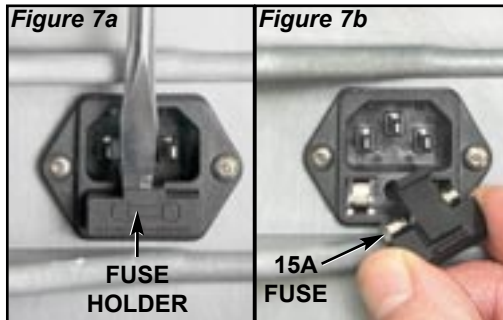
CHANGING THE FUSE:



WARNING

ALWAYS DISCONNECT POWER TO THE UNIT
BEFORE CHANGING THE FUSE

1. Use a flat screwdriver to remove the Fuse Holder from the AC Power Receptacle (see Figure 7a).



2. Changing the fuse:
Replace the fuse in the Fuse holder (see Figure 7b).

Replacement Fuse:

15Amp, 250V slo-blo fuse
(Fuse size: 5 x 20mm)

3. Reinstall the Fuse Holder.

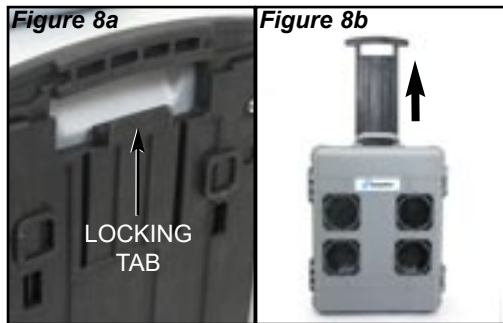
CLEANING:

1. Clean the AIRPAC III case with a soft brush, or wipe with a moistened cloth using a biodegradable solvent. Do not use flammable liquids, such as gasoline or alcohol.
2. Always keep parts clean from dirt or dust for better performance.

REPACKING :

Drain the tank as described on page 4, place pressure switch Lever in 'OFF' position, and remove power cord from unit. Wrap cord and carefully place inside the case, adjacent to the tank. **IMPORTANT:** Do not pinch cord between fans and compressor motor.

On the back side of unit, pull transport handle locking tab (see Figure 8a) outward while raising the handle. Lift handle all the way up (see Figure 8b) until the locking tab engages the bottom slot in the handle.



Use the handle and built-in wheels to transport the AIRPAC III Compressor.

SPECIFICATIONS:

Oilless compressor:

1 HP (736 W), 100 PSI (6.89 bar)

Electrical: 110-120 Volt AC, 60 Hz, 8.5 Amps

Fuse: 15 Amps, 5 X 20 mm

Quantity 1 (1 spare included)

Air Delivery: 3.1 CFM at 40 PSI

(87.8 Liter/Min at 2.76 bar)

2.2 CFM at 90 PSI

(62.3 Liter/Min at 6.20 bar)

Maximum pressure: 100 PSI (6.89 bar)

Air Storage Capacity: 1.0 Gal. (3.79 Liter)










Weight: 46 lbs. (20.87 kg)

Size: 17.93" W x 22.06" L x 10.43" H
(45.5 cm W x 56.0 cm L x 26.5 cm H)

Environmental Conditions:

- Operating Temperature: 50° to 95°F (10 to 35°C)
- Transport/Storage Temperature: -4° to 140°F (-20° to 60°C)
- Relative Humidity: 5 to 95% non-condensing
- Altitude: 0 to 10,000 feet (0 to 3048 meters)

SYMBOL DEFINITIONS:

 <p>Type B Equipment</p>	 <p>Alternating current</p>
 <p>Caution</p>	 <p>Fuse Rating</p>
 <p>Dangerous Voltage</p>	 <p>Earth (ground)</p>
 <p>Consult Instructions For Use</p>	 <p>Manufacturer</p>
 <p>Serial Number</p>	

WARRANTY:

Aseptico Inc. warrants its new products against defects in material and workmanship under normal and proper use, care, and maintenance for a period of two (2) years from date of original invoice. This two (2) year warranty does NOT apply nor is it extended to products that are not manufactured by Aseptico. These products may be covered by a separate limited warranty provided by the particular manufacturer, and all claims and questions regarding the same are to be directed to the particular manufacturer.

Expendable components, such as batteries, fuses, light bulbs, and tubing sets installed on Aseptico products are specifically excluded and have no warranty. Consumable goods are warranted for the stated expiration date of such goods.

Repair or replacement of any product(s) or part(s) under this warranty does not extend the term of this warranty, and such product(s) or part(s) shall remain covered by the unexpired portion of the warranty period, or for ninety (90) days from the date of return to Aseptico, whichever is later. This limited warranty applies only to the initial or first installation of the product or part.

During the specific warranty periods set forth above, Aseptico will, at its option, repair or replace the product(s) or particular part(s) that are found to be defective in either material or workmanship in part or whole. Aseptico shall be the sole arbiter of such action. In the event of alleged defect under warranty, the purchaser is to notify Aseptico's Customer Service department promptly. Customer Service will provide Return Material Authorization (RMA) instructions, usually directing that the product be returned for service, shipping prepaid by the buyer or end user, to Aseptico or its designated and authorized warranty service center.

This warranty shall not apply to products (1) that have been subjected to neglect, abuse, misuse, improper installation, inadequate maintenance, or damage due to improper use of cleaning materials or chemicals, or non-compliance with Aseptico's storage, installation, operation, maintenance or environmental requirements; (2) that have undergone any modification or repair not previously authorized by Aseptico in writing, or service, repair or modification by or from any facility other than an authorized Aseptico service center or technician, or that use non-authorized software or spare or replacement parts; or (3) that fail due to reasonable and normal use or wear and tear, or materials made, furnished or specified by the buyer or end user.

Aseptico does not assume under this warranty any risks or liabilities arising from the clinical use of its products, whether or not such use involves coincidental utilization of products manufactured by others. Under no circumstances will Aseptico be liable or responsible for special, compensatory, incidental, consequential or punitive damages, lost profits, lost sales, or loss of use or loss of business opportunity by or through the use of the product. Aseptico's sole and maximum liability with respect to the product, other than its obligations set forth above, shall be the total purchase price paid for the product.



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