VacuMax
Model 605 Portable Aspirator

CAUTION: USA Federal law restricts this device to sale by or on the order of a physician.
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## SPECIFICATIONS

**SIZE**
10" L x 7" W x 8" H  
25 cm x 18 cm x 20 cm

**WEIGHT**
7 lbs. 3 oz. (3.26 kg)

**ELECTRICAL REQUIREMENTS:**
- for 120V models
  - 120V AC 60Hz or
  - 12V DC external/battery
- for 230V models
  - 230V AC 50/60Hz or
  - 12V DC external/battery

**OPERATING TEMPERATURE**
Ambient conditions  
(min 10 °C to max 40 °C)

**STORAGE CONDITIONS**
Room temperature preferred

**BATTERY SPECIFICATION**
12V DC, 2000mAh,  
6 cell sealed lead acid
Important Parts of the VacuMax System

1. Suction Jar Inlet
2. Gauge
3. Switch
4. DC Jack
5. AC Cord
6. Catheter Tube Connection
7. Suction Regulator
8. Filter Cap
9. Fuse
Operating Instructions

POWER OPTIONS
You have either purchased a 110V AC only, 230V AC only, or a switchable 110V/230V AC unit. These units are not interchangeable. Please refer to the serial number tag on the bottom of the unit for unit identification. Please read instructions in this manual regarding operation for these different types of devices.

AT HOME (Using AC Power)
1 Attach the suction catheter to the outlet on the suction jar.
2 Make sure the switch is in the OFF position.
3 Connect the AC power cord located on the back of the unit to a standard 110V AC or 230V AC wall outlet (voltage depending on type of unit you own.)
4 Turn the switch to the ON position.
5 Adjust the regulator to achieve the desired suction.
6 Proceed with the treatment.
7 At the conclusion of the treatment, turn the switch to the OFF position.

AWAY FROM HOME (Using internal/external DC power)

External DC Power
1 Attach the suction catheter to the outlet on the suction jar.
2 Make sure the switch is in the OFF position.
3 Connect the DC power cord to the DC jack located on the front of the unit.
4 Connect the auto adapter plug of the DC cord to the auto adapter receptacle in your vehicle.
5 Turn the switch to the ON position.
6 Adjust the regulator to achieve the desired suction.
7 Proceed with the treatment.
8 At the conclusion of the treatment, turn the switch to the OFF position.

**Internal DC Power: Battery**

Follow instructions in the Battery Charging section of this manual to learn about the proper procedure to optimize the life of your battery.

Please make sure the battery is charged before each treatment.

1 Attach the suction catheter to the outlet on the suction jar.
2 To use this option, simply turn the device switch to the ON position while the device is not plugged into any other power source.
3 Adjust the regulator to achieve the desired suction.
4 Proceed with the treatment.
5 At the conclusion of the treatment, turn the switch to the OFF position.

**NOTE**
Cold temperatures may result in poor compressor performance. Bring machine up to room temperature for best results.

**NOTE**
A flashing switch light during battery operation indicates a low battery and device performance may drop quickly. Refer to the Battery Charging section for more information.
Battery Charging & Maintenance

To properly charge the internal battery, giving it the longest life possible, please read and follow the directions below.

1 To charge the battery, connect the unit to an external power source (either a 110V AC, a 230V AC or a 12V DC external power source). Set the power switch to the OFF position. The OFF position is also the charging position. The power switch will not light while the battery is charging.

2 To fully charge the battery, eight hours of charging is necessary. However, if the user does not have time to fully charge the battery, the unit should still be charged as long and as often as time permits. Full discharge will shorten battery life. The battery will not be damaged by overcharging.

3 It is not recommended for the battery to stay discharged or unused for a long period of time (60 days or more). Charge the battery at least once every two months.

POWER SWITCH CONSIDERATIONS
While in use, a flashing power switch alerts the user that the battery is exhausted and another power source must be used in place of the battery. A new, fully charged battery should last about one hour.

NOTE
Charging the battery in your vehicle without the engine running may drain the vehicle’s battery.
Compressor Cleaning

1. Make sure the ON/OFF switch is in the OFF position.
2. Unplug the compressor from the wall outlet.
3. Wipe the compressor with a clean, damp cloth every 2-3 days. This will keep the unit dirt and dust free.

WARNING
Do not remove the compressor case/cabinet. Failure to comply could result in electrical shock. All disassembly must be performed by an authorized Medical Industries America Inc. service center.

Maintenance

All maintenance on your VacuMax system must be performed by an authorized Medical Industries America Inc. service center.

FILTER CHANGE
VacuMax contains an external filter located on the back of the device. This filter requires periodic replacing to ensure the proper function of the device. It is recommended that this filter be changed monthly or sooner, depending on the cleanliness of the operating environment. To replace the filter, follow the steps below:

1. Remove the filter cap by unscrewing counterclockwise.
2. Remove the filter from the cap and replace it with a new one.
3. Screw the cap back on.

NOTE
Maintenance manual and technical information with part lists is available through Medical Industries America Inc. upon request.

NOTE
Should fluid be aspirated back into the unit, dealer service is necessary as possible compressor damage may result.

WARNING
To reduce the risk of electric shock, always unplug the power cord from the power source before servicing.
SUCTION JAR
The suction jar supplied with the VacuMax is recommended for single patient use and should be replaced as per physician order.

FUSE CHANGE
A 2A fuse is located on the back of the device. It protects the device from power surges that can occur in the home and from exposing this device to a wrong power source. To replace the fuse, unscrew the fuse holder on the back of the device. Take out the old fuse, insert the new fuse and screw the holder back on.

TUBING
1 Verify the device is turned OFF and allow the suction to drop off.
2 Disconnect the tubing from the collection jar and from the device.
3 Rinse the tubing thoroughly with three parts hot tap water and one part vinegar.
4 Rinse the tubing with hot tap water and allow it to air dry.
5 Reconnect the tubing between the collection jar and the device.
This Medical Industries America Inc. product is an electrical device. Always follow basic safety precautions when using this device, including but not limited to the following:

To reduce the risk of burns, fire, electrocution, or other bodily harm or injury to persons:

1. Always unplug this device after each use.
2. Never submerge this product in water.
3. Never use this product while bathing, showering, washing dishes, or around a water source of any kind.
4. Never leave this product unattended.
5. Use this product only for its intended use as described in the operating manual.
6. Closely monitor and supervise use by invalids and children.
7. Never block the air vent openings or allow objects to fall or to be inserted into the air vent openings.
8. Observe caution when using this product where oxygen is being administered.
9. If this product is being used in a life threatening situation, a backup unit is necessary.

**WARNING**

This equipment is not suitable for use in the presence of a flammable anaesthetic mixture with air or with oxygen or nitrous oxide.
Medical Industries America Inc. warrants the VacuMax portable aspirator to be free from defective workmanship and materials for a period of 1 year from the date of purchase. The internal battery shall be warranted for a period of 3 months from the date of purchase. Check with your dealer for more details.

This warranty is limited to the original purchaser of the compressor. Any defective part or assembly will be repaired or replaced, at the sole discretion and determination of Medical Industries America Inc. if the unit has not been misused or tampered with during the warranty period. Normal maintenance items, as outlined in this manual and disposable components are not covered by this warranty. Shipping charges, if any, shall be paid by the purchaser.

NOTE
There is no other express warranty. Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to the duration of the express limited warranty and to the extent permitted by law and all implied warranties are excluded. This warranty does not cover providing a loaner compressor, compensating for costs incurred for compressor rental, or labor costs incurred in repairing or replacing defective part(s).