



truAire-5
Portable Suction
Machine Series

Suction Pump

USER MANUAL

ASP-ROSP

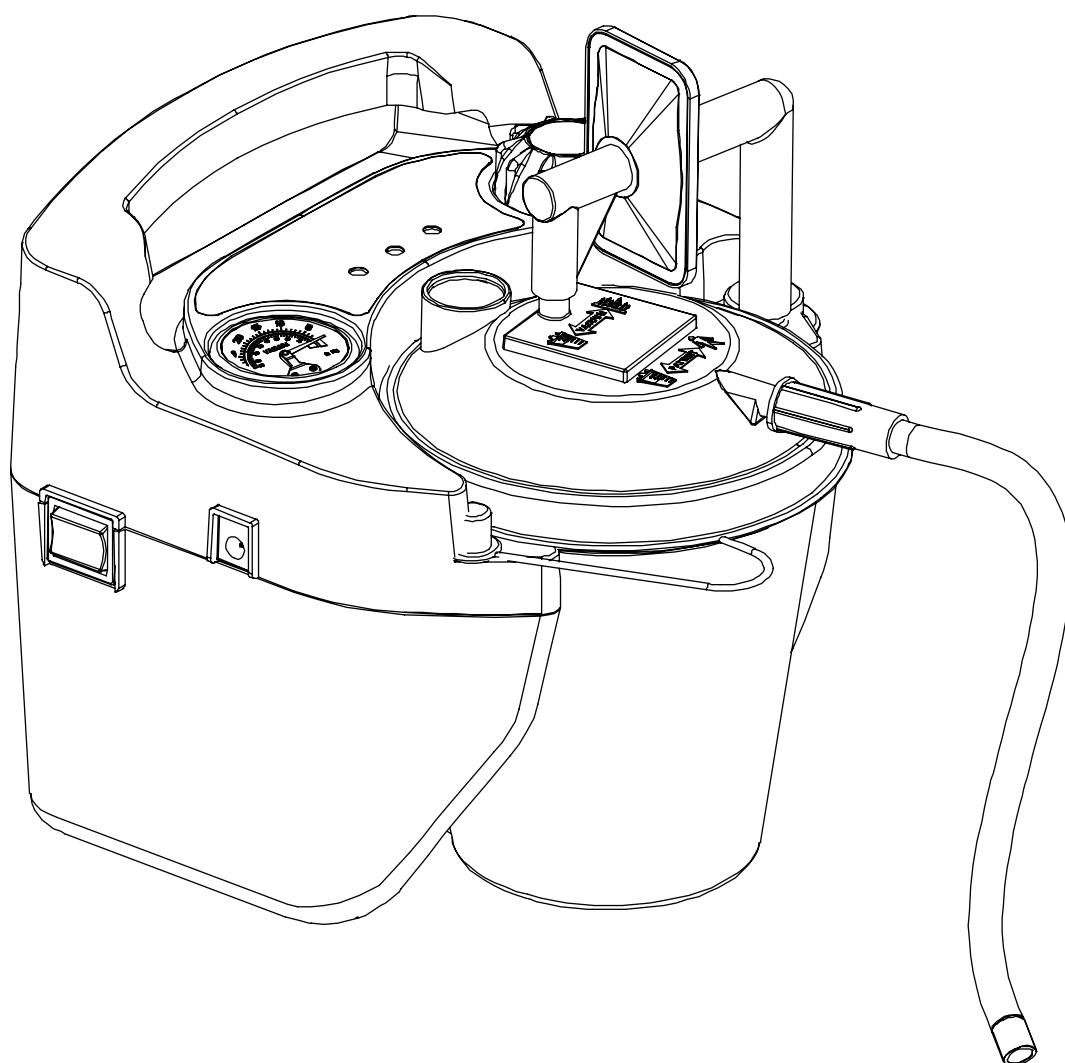


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SAFETY/ INTRODUCTION

WARNING

Electromagnetic Compatibility

This medical device is compatible with (no interference is caused by) its electromagnetic environment and it does not emit levels of electromagnetic energy that cause electromagnetic interference in other devices in the vicinity.

FCC SUPPLIER'S DECLARATION OF CONFORMITY

Product Name: TruAire Portable Aspirator

Item Number: ASP-ROSP

Responsible Party: Compass Health Brands Corp.

6753 Engle Road, Middleburg Heights, OH 44130

FCC COMPLIANCE STATEMENT

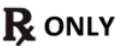
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

SAFETY/ INTRODUCTION

GLOSSARY OF SYMBOLS	
Symbol	Meaning
	To identify equipment meeting the safety requirements specified for Class II equipment according to IEC 61140.
	To identify a type B applied part complying with IEC 60601-1.
	Date of manufacture.
	Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.

The device is designed and manufactured to comply with IEC60601-1-2 EMC safety standards and meet the performance standard per ISO10079-1:1999.

■ IMPORTANT SAFEGUARDS

When using electrical products , especially when children are present , basic safety precautions should **ALWAYS** be followed. **READ ALL INSTRUCTIONS BEFORE USING.** Important information is highlighted by these terms:

 DANGER	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in serious injury or equipment damage.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the device or other property.
NOTE	Information to which you should pay special attention.

⚠ DO NOT ATTEMPT TO OPERATE THIS PRODUCT WITHOUT READING ALL INSTRUCTIONS CAREFULLY. SAVE THIS MANUAL FOR FUTURE REFERENCE.

SAFETY/ INTRODUCTION

DANGER

To reduce the risk of electrocution:

1. **DO NOT** use while bathing.
2. **DO NOT** place or store product where it can fall or be pulled into a tub or sink.
3. **DO NOT** place in or drop into water or other liquid.
4. **DO NOT** reach for a product that has fallen into water. Unplug immediately.

WARNING

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

1. Close supervision is necessary when this product is used by, on, or near children or individuals with limited capabilities.
2. Use this product only for its intended use as described in this guide.
3. **NEVER** operate this product if :
 - a. It has a damaged power cord or plug.
 - b. It is not working properly.
 - c. It has been dropped or damaged.
 - d. It has been dropped into water.

Return the product to an authorized service center for examination and repair.

4. Keep the power cord away from heated surfaces.
5. **NEVER** use while drowsy or asleep.
6. Universal precautions **MUST** be observed while providing care or handling equipment for persons with an infectious condition.
7. The catheter to be used shall be carefully inserted to prevent strangulation/ choking.
8. **DO NOT** let children play with the tubing as this may lead to strangulation.
9. Consult the physician in case of any allergic reaction due the use of the device.
10. Keep the suction pump out of the reach of children and pets and away from pests.
11. Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

- NOTE

The unit is factory equipped with an internal rechargeable battery (ASP-ROSP ONLY) and all information regarding battery operation in this guide is applicable.

SAFETY/ INTRODUCTION

WARNING

TO REDUCE THE RISK OF ELECTRICAL SHOCK OR INJURY TO PERSONS, DO NOT DISASSEMBLE THIS UNIT. DISASSEMBLY OR ATTEMPTED REPAIRS IF ACCOMPLISHED INCORRECTLY CAN CREATE ELECTRICAL SHOCK HAZARD. ONLY QUALIFIED TECHNICIANS SHOULD PERFORM SERVICING OF THIS SUCTION UNIT.

DANGER

The unit is a vacuum suction device designed for the collection of nonflammable fluid materials in medical applications **ONLY**. Improper use during medical applications can cause injury or death.

For all medical applications:

1. All suctioning should be done in strict accordance with appropriate procedures that have been established by a license medical authority.
2. Some attachments or accessories may not fit the tubing supplied. All attachments or accessories should be checked prior to use to assure proper fit.

▪ **INTERNATIONAL TRAVEL**

The unit is equipped with a switch mode power supply allowing operation on any AC voltage (100 - 240 VAC, 50/60 Hz). However the correct power cord **MUST** be used to connect to adaptable wall power.

NOTE : Check power cord for adaptability before using.

WARNING

Proper operation of this product is necessary to avoid physical harm. Improper use can cause personal injury and/or tissue damage. This product should **NOT** be used unless the operator has been instructed by a physician or other qualified health care professional. This device is for single patient use **ONLY**.

1. Familiarize yourself with this unit.
2. Place unit on table and push down firmly so that suction feet hold unit securely in place.
3. Before plugging power cord into electrical outlet, check if the ON/OFF switch is in the **OFF** position.

Before attempting to start a cold unit, let the unit reach room temperature in a heated area.

SAFETY/ INTRODUCTION

DANGER

THIS MEDICAL DEVICE IS NOT INTENDED TO BE USED AS A LIFE SUSTAINING OR LIFE SUPPORTING DEVICE.

The device is to be used **ONLY** on the instruction of a licensed physician. It is an electrically powered suction device used to treat airway restrictions. It is intended to remove secretions from the upper airway for airway maintenance or clearance of obstructions related to respiratory disorders in neonates, infants, children, and adults as indicated by the physician. The device is **NOT** intended for life support, nor does it provide any patient monitoring capabilities.

▪ **INTRODUCTION**

The unit is a compact medical suctioning device which has been designed for reliable, portable operation. Because of the small size, light weight and DC operation, the unit is ideal for providing suction in the home, in transport with optional DC cord, or if your model has an internal rechargeable battery, the unit can be operated anywhere. One 800 ml canister bottle is the only choice. Following the recommended operating and maintenance procedures outlined in this instruction guide will maximize the life of this product.

▪ **Intended Use Statement**

The device is a vacuum suction device. It is to be used to remove infectious materials from wounds or fluids from a patient's airway or respiratory. It is for use on the order of a physician **ONLY**.

The device is to be used to remove fluids from the airway or respiratory support system and infectious materials from wounds. The device creates a negative pressure (vacuum) that draws fluids through disposable tubing that is connected to a canister. The fluids are trapped in the canister for proper disposal. It is for use on the order of a physician **ONLY**.

CAUTION

Federal law restricts this device to sale by or on order of a physician, or any other practitioner licensed by the law of the State in which he practices to use or order the use of this device.

▪ **NOTE**

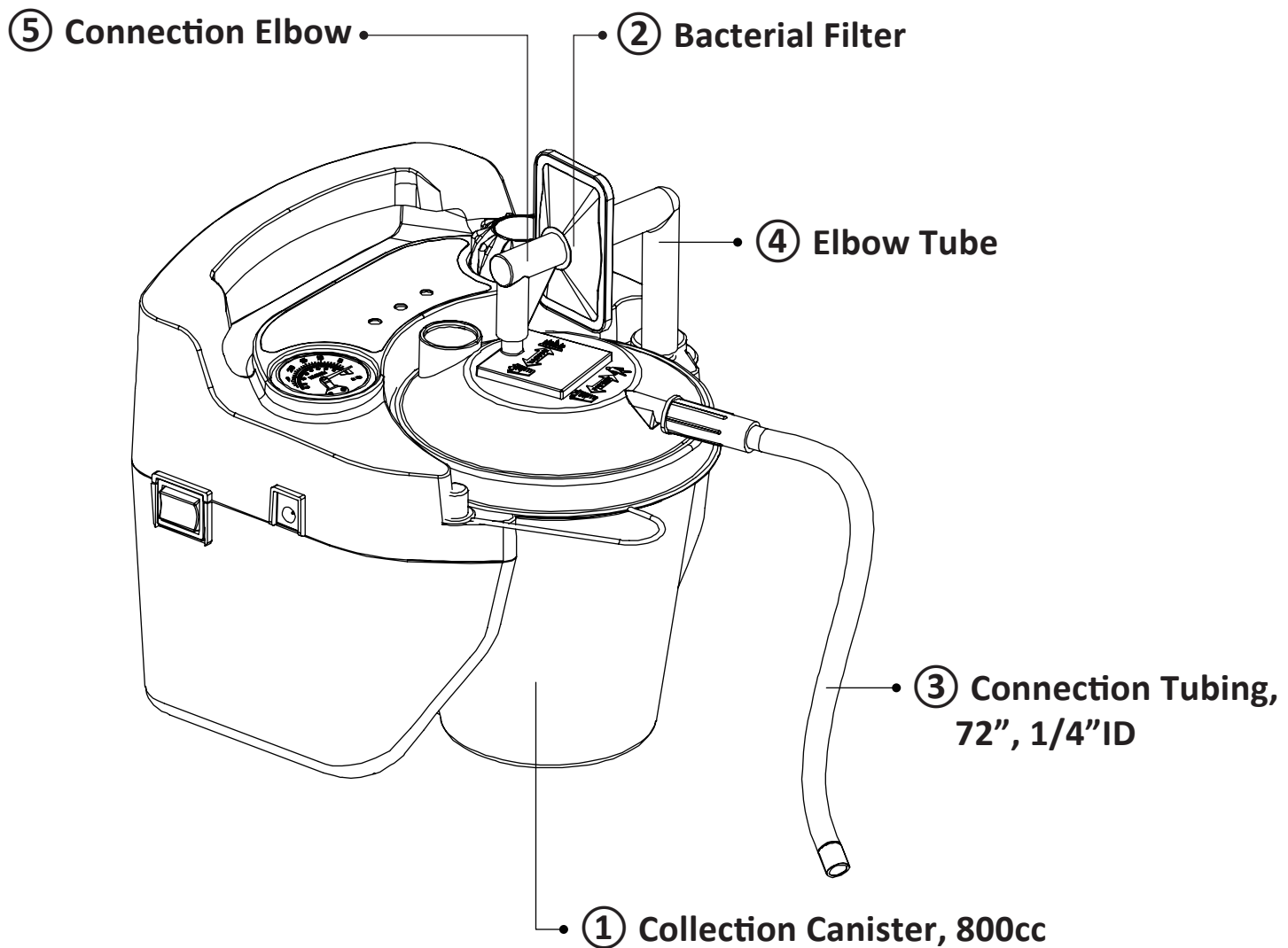
Check **ALL** parts for shipping damage. If shipping damage is noted, **DO NOT** use. Contact medical equipment provider for further instruction.

IMPORTANT PARTS

▪ ACCESSORY / REPLACEMENT ITEMS

The following items can be purchased separately as accessories or replacement items for your unit.

Accessories Description



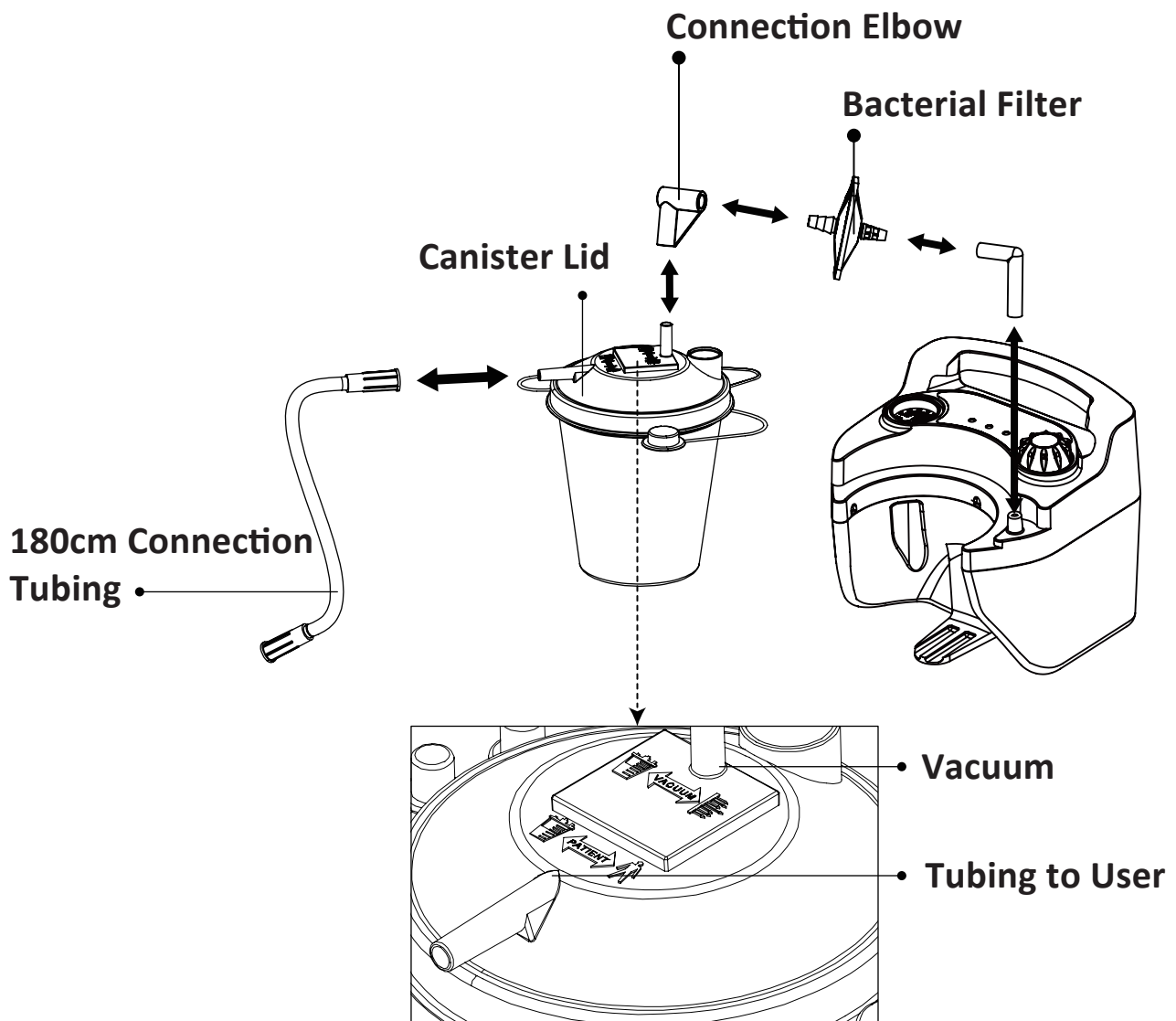
▪ NOTE

The use of electrical cables and accessories other than those specified in this manual or referenced documents may result in increased electromagnetic emissions from the product or decreased electromagnetic immunity of the product.

SET-UP

■ SET UP

1. Connect the Elbow tube (longer end) with machine and shorter end with bacteria filter (white side) .
2. The bacteria filter transparent side should be connected with connection elbow then connect with top of canister lid where it says < Vacuum >.
3. The 180cm connection tubing should be connected to the canister lid at the outlet says < Patient >.
4. Make sure that all connections are secure and without leakage before using.
5. Verify that unit is at desired suction level before beginning patient suction.



OPERATION

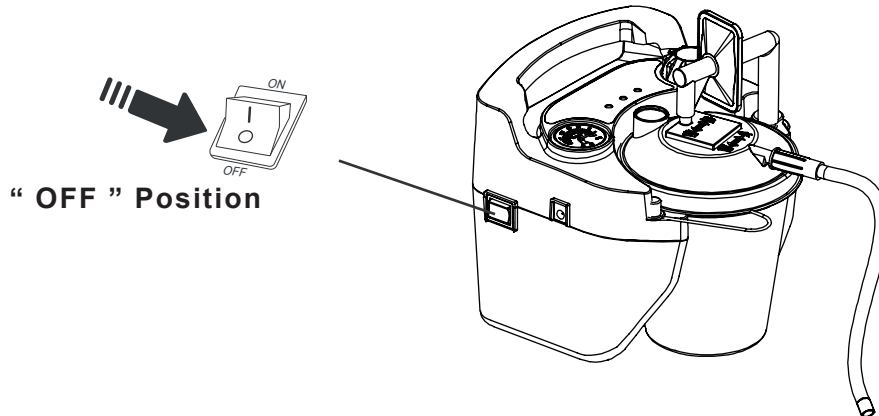
▪ How to Operate your Portable Suction Pump

OPERATING SPECS:

Intermittent operation 30 minutes **ON**, 30 minutes **OFF**

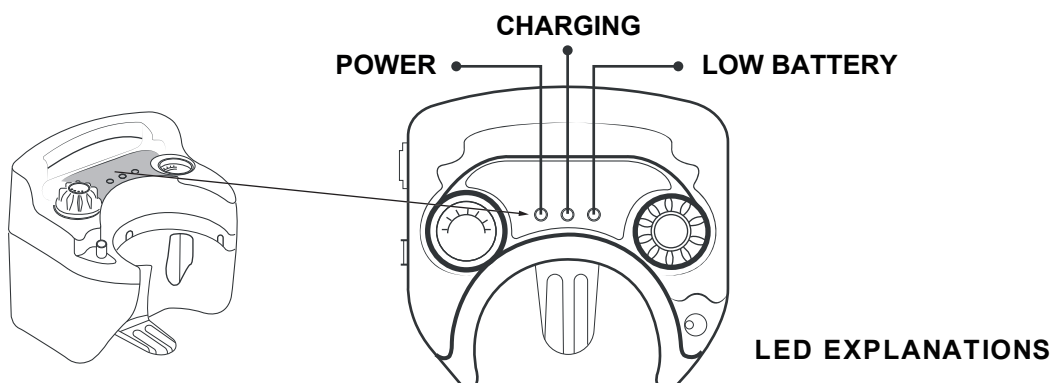
1. Before starting up

Before connecting the unit to the AC adapter, make sure that the power switch located on the side of the unit is in the “**OFF**” position.



LED EXPLANATIONS

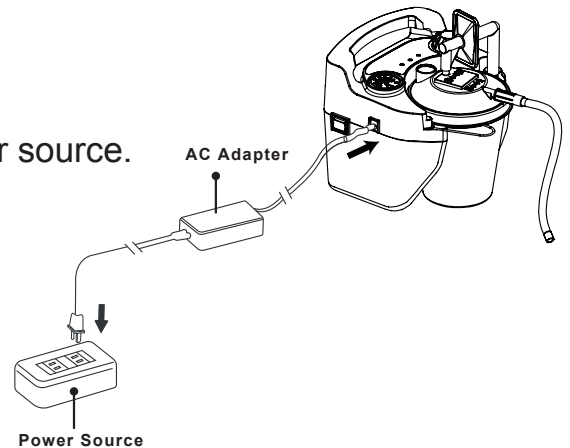
Light name	Light color	Description
POWER	Green Yellow	When external power is supplied to the unit from AC power source or DC cord, the power light will be illuminated as green. When internal power is supplied to the unit from an internal rechargeable battery, the power light will be illuminated as yellow.
CHARGING	Yellow	When the battery is being charged, the yellow light on the front cover will be illuminated. When the battery is fully charged, the yellow light will be off.
LOW BATTERY	Red	Seek another power source and charge the battery as soon as possible when the red light remains flashing.



OPERATION

2. Select Power Source Desired

Plug the AC end into a grounded wall outlet power source.



- NOTE

The power supply may become warm to the touch during charging or running of the unit. This is normal.

• AC OPERATION

Plug the small connector of the AC adapter into the DC power input located on the side of the unit. Plug the AC end into a grounded wall-outlet power source.

*The unit will simultaneously charge the battery while being used with the AC adapter.

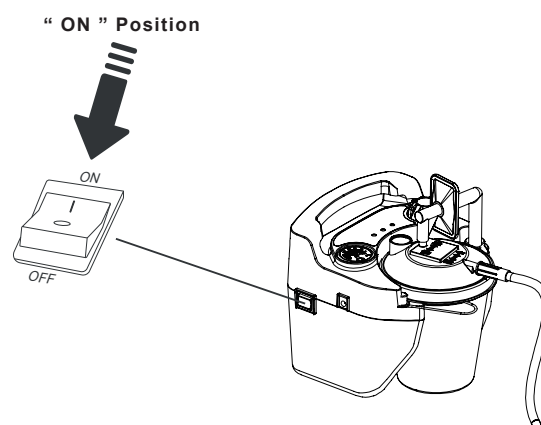
• BATTERY OPERATION

To ensure proper operation from internal battery, fully charge the battery for 8 hours (depending on the depth of discharge) as explained in the Battery Charging section. The battery for the device should be recharged for 8 hours before the first use.

*Optional DC Power Adapter

3. Turn on the power switch

- Once the power source is selected , simply turn the unit “ **ON** ” using the power switch located on the side of the unit. The power indicator light (displayed on the top of the unit) will indicate which power source is being used by staying continuously lit when external power is connected.



OPERATION

4. Adjust the vacuum

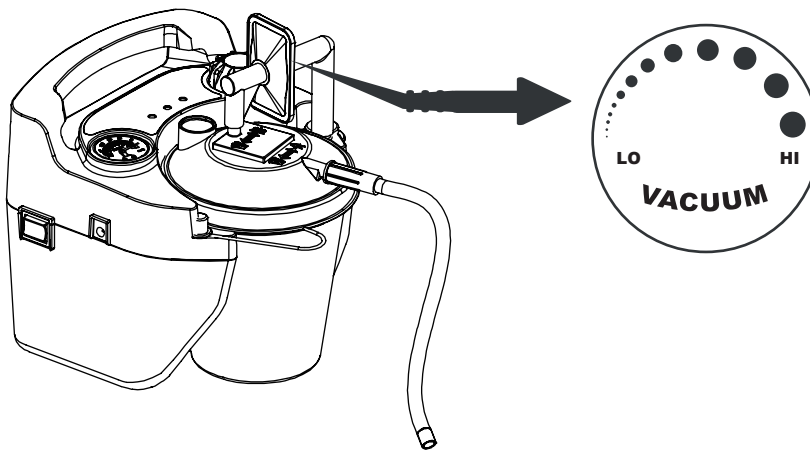
Adjust the vacuum level from 50 to 600 mmHg by turning the vacuum regulator knob located on the top of the unit (clockwise to increase vacuum and counter-clockwise to decrease vacuum). The desired level of vacuum can be set by using the gauge located on the top of the unit near the handle. To accurately read the gauge, block the patient end of the hose or cap off the canister and allow the gauge to reach a stable vacuum reading.

⚠ WARNING

Tightening the knob above 600 mmHg will damage the valve.

⚠ WARNING

NEVER exceed the recommended maximum vacuum pressure.



- NOTE

DO NOT use excessive force. Pushing container down too hard could cause potential leak or loss of suction.

1. Position the patient tubing to patient and begin suctioning.
2. When the contents of the 800 cc canister reaches the safe full level, suctioning will automatically stop (float shut-off).
3. Switch the power to "O" position (off), shut off the suction motor.
4. After the motor stops turning completely, remove the canister and replace with new canister.
5. Power suction unit back up and resume use.

- NOTE

The vacuum (negative) pressure should be set as directed by a physician or other appropriate health care professional.

- NOTE

Gauge is for reference only. If the unit sustains a severe drop, accuracy of the gauge must be checked. Suction at the patient is automatically obstructed when liquid level reaches the float shut-off located on the underside of the canister lid.

OPERATION

- NOTE

Always transport unit with vacuum regulator knob rotated fully clockwise in case unit is dropped.



CAUTION

When automatic float shut - off is activated, contents of the canister should be emptied. Further suctioning could cause damage to the vacuum pump.



CAUTION

Should fluid be aspirated back into the unit, equipment provider servicing is necessary as possible vacuum pump damage may result .



WARNING

This device is rated for intermittent operation use as noted in the specifications. **DO NOT** operate device with no flow or suction port blocked. Continuous operation under this condition may cause the unit to thermal shut off or damage the device.

BATTERY CHARGING

▪ Battery Charging

The unit is equipped with a factory-installed rechargeable battery. The unit has a Low Battery Indicator and a Charging indicator.

Connect the suction unit to the proper AC power source using the AC adapt powercord. The power indicator light will be illuminated green. When the battery is charging, the power indicator light will be illuminated yellow.

Please note, the battery will continue to be charged when plugged in even while in use. The power indicator light will be illuminated green, and the charge indicator light will be illuminated yellow.

BATTERY

- NOTES

1. A discharged battery will require 8 hours (depending on depth of discharge) of charging to reach a full capacity.
2. **DO NOT** connect the AC adapter to an outlet controlled by a switch to ensure power is supplied to unit at all times.
3. **DO NOT** connect the DC power cord to a outlet that is not constantly energized.

BATTERY

4. When the battery is fully charged, it will provide approximately 90 minutes of continuous operation at a zero vacuum level (free flow).
5. If unit is **NOT** in use for extended periods, battery should be recharged every month, even in storage.
6. When charged the battery, the battery charging indicator light will remain lit. If your unit does **NOT** hold a charge, be sure the model you are using has a battery installed prior to returning it to your authorized provider. Verify that the charge light turns on when the external power is applied with the switch in the “**OFF**” position.
7. Units equipped with an internal rechargeable battery **MUST** be recycled.
8. The internal rechargeable battery is lithium ion and must be disposed of properly. Contact your local authorities for instruction on proper disposal.

DISPOSAL OF BATTERY

- **NOTE**

Used fully discharged batteries must be disposed of in a specially labeled collection container, at a toxic waste collection point or through an electrical retailer. You are under legal obligation to dispose of batteries correctly. Please dispose of the device in accordance with local regulations.

CAUTION

Discharging the battery completely will shorten the life of the battery. **DO NOT** operate the unit more than a few minutes if the low battery indicator light is lit. Recharge as soon as possible.

• **CHECK THE BATTERY QUALITY**

If poor battery quality is suspected, charge the battery for a minimum of 24 hours and then perform the following tested without connection to external power:

1. Run the device and then let the suction unit operate continuously at a zero vacuum level.
2. If the “ Low Battery ” red light flashes within 20 minutes, the battery should be discarded.

BATTERY

• STORAGE

When not in use, your device should be stored in a cool, dry location within the specified storage parameters (refer to Specifications).

- Do not store batteries longer than 1 year without recharge.
- Lithium ion batteries can be stored from -20°C to 60°C (-4°F to 140°F) at up to 90% relative humidity.

Recommendation: Store the battery below 60°C (140°F), low humidity, no dust and no corrosive gas atmosphere. Store fully charged if possible. Avoid storage in direct sunlight. High temperature storage (above 40°C / 104°F), such as in a hot car, may degrade battery performance and reduce battery life. Low temperature storage may affect battery performance. The best battery charge conditions are within a temperature range of 0°C to 45°C (32°F to 113°F) at up to 90% relative humidity. If the battery temperature exceeds 45°C (113°F), the device will not charge the battery. Charging will be resumed when the battery temperature drops to 44°C (111°F) or below.

CLEANING AND MAINTENANCE

▪ CLEANING INSTRUCTIONS

1. With the power switch in the “OFF” position, disconnect the Suction Unit from all external power sources.
2. Wipe the housing with a clean cloth and any commercial (bacterial-germicidal) disinfectant.



CAUTION

DO NOT submerge in water and this will result in damage to the vacuum pump.
DO NOT clean with powder-type cleaning agents or soap.

- NOTE

Collection bottle should be emptied after each use.



WARNING

The waste in collection bottle may cause respiratory infection, which must be handled according to medical waste disposing regulation. Operator must wear gloves and medical-class mask before cleaning the collection tubing and handling the collection bottle and/or accessories.

CLEANING AND MAINTENANCE

■ MAINTENANCE

Inspect suction tubing and collection canister for leakage, cracks, etc., before each use.

DANGER

Electric Shock Hazard: DO NOT attempt to open or remove cabinet, there are no user-serviceable internal components. If service is required, return unit to an authorized service center. Opening or tampering with the unit will void warranty.

• Filter Changing

1. Change bacteria filter if overflow occurs or every two months, whichever comes first.
2. Remove filter by disconnecting it from the suction unit and lid assembly.
3. Replace with a clean bacteria filter (non-sterile) and remount to suction unit. (See "Setup & Operation" on pg. 5).

- **NOTE**

DO NOT substitute any other material for the filter. Improper substitution may lead to contamination or poor performance.

- **NOTE**

Bacteria filter **MUST** be changed between patients.
Bacteria filter **MUST** be kept dry.

• Carrying Case

Wipe with clean cloth dampened with detergent or disinfectant.

• Collection Canister Maintenance

1. Discard contents at least daily
2. Wash canister with hot water and a mild dish detergent.
3. Every 1-3 days, soak canister in a 1:3 mixture of white vinegar and water for 30 minutes. Rinse well with water.
4. Discard and replace canister as needed, or every three months.

WARNING

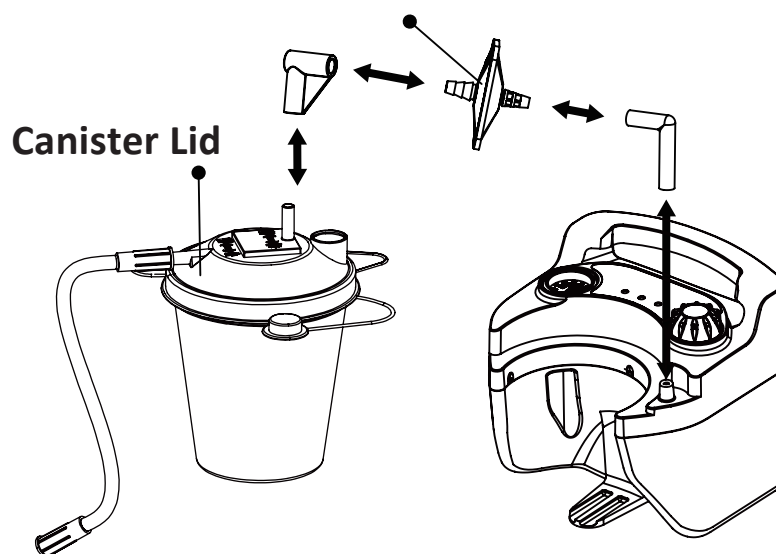
Residues in collection bottle, tubing and filter may cause respiratory infection. Dump the waste in the collection bottle, tubing and filter into a specific waste bin labeled with medical waste.

TROUBLESHOOTING

▪ TROUBLESHOOTING

Bacteria Filter

(the clear side towards to connection with canister)



- NOTE

Your unit contains **NO** user-serviceable parts. If you believe your unit is **NOT** working properly, **BEFORE YOU RETURN THE DEVICE TO THE EQUIPMENT PROVIDER WHERE YOU PURCHASED IT OR TO PROVIDER**, please take a few moments to check for these possible causes:

PROBLEM	ACTION
Unit does not turn on. (Green external power indicator should be illuminated when power is applied.)	1 . Check power sources and connections. 2 . Ensure wall outlet is live and check to ensure there is no damage to the power cord. 3 . If running from an internal battery, ensure that your Unit has a battery installed. 4 . If battery is installed, check that it is fully charged.
Pump runs, but no vacuum.	1 . Check that all tubing is connected properly. 2 . Check tubing connections for breaks or leaks. 3 . Ensure that flow shut-off is not activated. 4 . Check for leaks or cracks in bottle assembly.
Low vacuum.	1. Use vacuum adjustment knob to increase vacuum level. 2. Check system for leaks.
Battery will not hold charge. (Charge indicator should be illuminated if battery is connected during charge mode.)	1 . Ensure that unit is equipped with an internal battery by contacting your medical equipment provider. 2 . Verify that charge light turns on. 3 . Check electrical connections during charging. 4 . Ensure wall outlet is live.

SPECIFICATIONS / CLASSIFICATIONS

Dimensions :	L 21 cm x W 19 cm x H 19.5 cm
Weight :	1.63 kg
Maximum Vacuum :	600 ± 20mm Hg
Flow Range (Free air Flow) :	18 ± 10% LPM
Sound Level (at 1m,300mmHg) :	60 ± 3 dBA
Electrical Requirements :	I/P : 100-240Vac, 50/60Hz
	O/P : 15Vdc,3.5A max., Tma 40°C
Battery Type :	Lithium Ion : 11.1Vdc,3500mAh
Bacteria Filter port size :	0.45 microns
Canister Capacity :	800ml (cc) Standard
Operation Temperature :	32°~104°F (0° - 40°C)
Operating Humidity :	0-95%
Operating Atmospheric Pressure :	10.2 ~ 15.4 psi (70 ~ 106 kPa)
Storage Temperature :	14° ~ 158°F (-10°~ 70° C)
Storage Humidity :	0 ~ 95%
Storage Atmospheric Pressure :	7.3 - 15.4 psi (50 ~ 106 kPa)
Equipment Classifications :	With respect to protection from electric shock Class II ☐
Mode of Operation :	Intermittent operation 30 minutes ON, 30 minutes OFF

- NOTE

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or nitrous oxide.

LIMITED WARRANTY

• TWO-YEAR LIMITED WARRANTY •

- The compressor portion of the suction unit is warranted to be free from defective workmanship and materials for a period of two years from date of purchase. (BATTERY FOR ONE YEAR.)
- Any defective part(s) will be repaired or replaced if the unit has **NOT** been tampered with or used improperly during that period. Make certain that any malfunction is **NOT** due to inadequate cleaning or failure to follow the instructions.
- If any parts are missing or damaged, **DO NOT** attempt to use. If you do not understand the manual, contact your dealer for a complete explanation of the instructions, cautions and warnings. Otherwise injury may result.

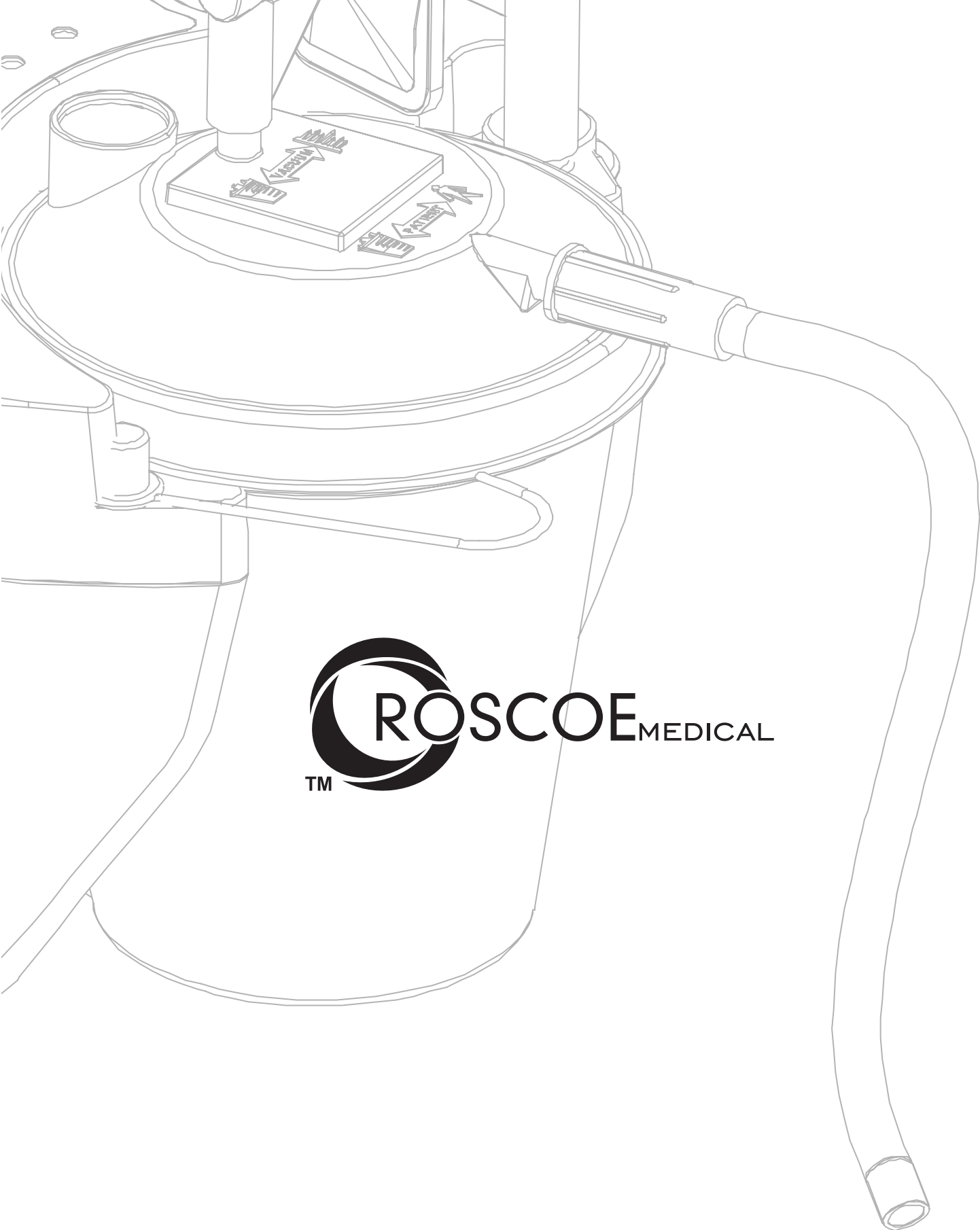
- **NOTE**

This Limited Warranty does **NOT** cover providing a loaner unit, compensating for costs incurred in rental while said unit is under repair, or costs for labor incurred in repairing or replacing defective part(s).

- THERE IS NO OTHER EXPRESS WARRANTY, IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANT ABILITY FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THE EXPRESS LIMITED WARRANTY AND TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. THIS IS THE EXCLUSIVE REMEDY AND LIABILITY FOR CONSEQUENTIAL AND INCIDENTAL DAMAGES UNDER ANY AND ALL WARRANTIES ARE EXCLUDED TO THE EXTENT EXCLUSION IS PERMITTED BY LAW. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE LIMITATION OR EXCLUSION OF CONSEQUENTIAL OR INCIDENTAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

■ **SERVICE AND REPAIR**

If you should have any questions about this device, please contact an authorized Compass Health Brands dealer. **DO NOT** open or disassemble the compressor unit at any time. This will void the warranty. **IF THE UNIT IS MALFUNCTIONING, DISCONTINUE USE IMMEDIATELY AND RETURN TO THE ORIGINAL PROVIDER FOR REPAIR OR REPLACEMENT.** Please dispose of this device in accordance with local, municipal, state, and federal law of electronic devices.



COMPASSHEALTH

Manufactured for:

Compass Health Brands Corp.

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www.compasshealthbrands.com

800.376.7263 • Made in China

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