



Direct Supply[®] Attendant[®] Aspirator

Owner's Manual

Thank you for purchasing a Direct Supply[®] Attendant[®] aspirator from Direct Supply[®] Equipment & Furnishings™. Please read this entire guide carefully and keep it for future reference. This guide will provide you with instructions, warnings, warranty information and other important information about your Direct Supply Attendant aspirator. Share this information with your housekeeping, nursing and maintenance staff to help ensure the aspirator is used and cared for properly.

Please keep and refer to this Owner's Manual.

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Definitions and Symbols, Introduction & Indications for Use

Definitions and Symbols

NOTE: Indicates a tip.

CAUTION: Indicates correct operating or maintenance procedures in order to prevent damage to or destruction of the equipment or other property

WARNING: Calls attention to a potential danger that requires correct procedures or practices in order to prevent personal injury.

 **⚠:** Attention. Read the instructions.

DEVICE: Your Direct Supply Attendant aspirator

YOU and YOUR: The facility, community or other entity that has purchased the device.

WE, US and OUR: Direct Supply Manufacturing, Inc.

Introduction

Your Direct Supply Attendant aspirator is a medical suctioning device that produces a maximum vacuum of 560 mmHg. The unit is equipped with an 800cc collection and has been designed for convenient and reliable usages. Following the recommended operating and maintenance procedures outlined in this owner's manual will maximize the life of this product.

This device is a tool to assist the caregiver as part of an overall care plan, and not a substitute for appropriate monitoring, diagnosis, training, care or treatment. Other devices may be required. This device is intended for use by trained and licensed healthcare providers in normal, indoor conditions.

Please note that, to the extent this device is considered an FDA classified prescription medical device, you agree to use such device only under the order of a healthcare practitioner licensed by your state.

Indications for Use

The Direct Supply Attendant aspirator is intended for professional use to remove infectious materials from wounds or fluids from a resident's airway or respiratory support unit. The intended large population for this device is both adult and pediatric patients.

Warnings

Warnings

⚠ WARNING – Check ALL parts for shipping damage. If shipping damage is noted, DO NOT use. Contact Direct Supply Equipment & Furnishings for further instruction.

⚠ WARNING – To reduce the risk of electrocution:

- Do not use while bathing.
- Do not place or store product where it can fall or be pulled into a tub or sink.
- Do not place in or drop into water or other liquid.
- 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:

- Close supervision is necessary when this product is used by, on or near children or invalids.
- Use this product only for its intended use as described in this guide.
- 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 medical equipment service center for examination and repair.
- Keep the power cord away from heated surfaces.
- Never use while drowsy or asleep.

⚠ 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.

⚠ WARNING – The Attendant Aspirator 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:

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

⚠ WARNING – Proper operation of this product is necessary to avoid physical harm. Improper use can cause personal injury. This product should not be used unless the operator has been instructed by a physician or other qualified health care professional.

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

⚠ 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 handle the wasting unit and/or accessories.

Directions for Use


Directions for Use

Set-Up:


- Connect either end of the connecting tubing to the top of the collection bottle connector. Then connect other end to the bacteria filter.
- The patient tubing should be connected to collection bottle at the outlet labeled 'Patient.' Please make sure that all connections are secure and without leaks before using.


Operation:

- Before use, check the specification label on the side of the suction unit to ensure that the voltage and current indicated on the unit correspond with the voltage and current available. Make sure the power switch located on the side of the unit is in the "Off" position before connecting the unit to a power source.
- Switch the power switch to "I" position (on). The unit will start running.
- Place the patient tubing in the appropriate position to patient and start to suck sputum.
- When the sputum reaches the safe full level of collection (800 cc), the suctioning will stop sucking automatically (float shut off).
- Switch the power switch to "O" position (off), shut off the suction motor.
- Remove the sputum from collection bottle after the motor stops turning completely. (Please refer to the "CLEANING" section for the directions on how to clean the collection bottle.)
- Turn on the unit and start to run the suction unit again.

 **NOTE** - If the unit sustains a severe drop, validity of the gauge must be checked. Inspect if the automatic float shut-off is still functioning properly when the liquid in the collection reaches the safe full level.

 **NOTE** - Always transport unit with vacuum adjust knob rotated fully clockwise in case unit is dropped.

 **CAUTION** - When automatic float shut off is activated, contents in the collection bottles should be emptied. Power should be turned off, otherwise may cause damage to the vacuum pump.

 **CAUTION** - Should fluid be aspirated back into the unit, send your suction to an authorized service center for a detailed inspection as the vacuum pump may have been damaged.

Cleaning

Cleaning

Cleaning collection bottle:


- Turn off the suction unit and allow vacuum to drop, then disconnect AC power source.
- With the collection bottle still in the holder, remove the collection bottle lid. The bottle can now be taken out of the holder to be emptied.

 **NOTE:** Collection bottle should be emptied after each usage.

- Collection bottle should be thoroughly cleaned after each usage by one of the following three methods:
 - a) Wash in a hot water/dishwashing detergent solution and rinse with clean, hot tap water. Then wash in mixed one part vinegar to three parts hot water solution. Rinse with hot tap water then air dry.
 - b) Wash with rubbing alcohol then air dry
 - c) Wash with a commercial (bacterial-germicidal) disinfectant (follow disinfectant manufacturer's recommended instructions and dilution rates carefully).

Cleaning suction unit and collection bottle lid:

- Disconnect the suction unit from all external power sources.
- Wipe the suction unit housing and collection bottle lid with clean cloth and any commercial (bacterial-germicidal) disinfectant.


 **CAUTION:** Do not submerge the vacuum pump in water as this will result in severe damage to the vacuum pump.

Cleaning tubing:

- Disconnect the tubing from the unit.
- Tubing should be rinsed thoroughly after every use by running hot tap water through it followed by a mix of one part vinegar to three parts hot water.
- Rinse with hot tap water then air dry.
- Keep the outer surface of the tubing clean by wiping with a clean damp cloth.

Maintenance

 **NOTE:** Inspect suction tubing and collection for leaks, cracks, etc. before each use.


 **NOTE:** Do not attempt to open or remove the suction cabinet. If a service is required then return your suction to an authorized service center. Opening or tampering with the unit will void warranty.

Bacteria Filter Change:

- Bacteria filter should be replaced as needed. If overflow occurs, change the filter immediately.
- Remove filter by disconnecting it from tubing connected to pressure adjusting valve and tubing connected to collection lid assembly.
- Replace with a new bacteria filter and connect to above tubing. Additional filter can be purchased from an authorized dealer.
- Do not substitute any other material for this bacteria filter. Improper substitution may lead to contamination or poor performance.

Fuse Change:

- Use only the same type of fuse to replace the broken fuse.
- Fuse specification: Miniature Glass Fuse 5 x 20mm, Fast Blow (Quick Acting), F2A/250V.

 **NOTE:** When this unit or accessories reach the end of their useful lives (depends on using conditions), residues in collection bottle, tubing and filter may cause respiratory infection. Dump the waste collection bottle, tubing and filter into a specific waste bin labeled with medical waste.

Product Specifications

Product Specifications

Dimensions	14.8" (375mm) x 6.8" (175mm) x 9.8" (250mm)
Weight	12.1 lb (5.5 kg)
Maximum Vacuum	560mm Hg (56cm Hg, 23" Hg) +/-3%
Flow Range	> 40 LPM
Sound Level	< 58 dBA
Electrical Requirements	AC 115 V, 60 Hz
Power Consumption	70 watts
Bacteria Filter Pore Size	0.45 microns
Collection Capacity	800 ml (cc)
Operating Temperature	32° ~ 104°F (0° ~ 40°C)
Operating Humidity	95% RH
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)
Fuse Specification	Miniature Glass Fuse 5 x 20mm, Fast Blow (Quick Acting), F2A/250 V
Electrical Classifications	With respect to protection from electric shock, Class I
UL Classified	E250875

Troubleshooting

Troubleshooting

Your suction machine contains no user-serviceable parts. If you believe your unit is not working properly, BEFORE YOU RETURN IT TO THE MEDICAL EQUIPMENT PROVIDER WHERE YOU PURCHASED IT, please take a few moments to check for these possible causes:

PROBLEM	ACTION
Unit does not turn on	<ol style="list-style-type: none">1. Check power source and connection2. Ensure that the wall outlet is live3. Check power cord is not damage
Motor runs, no vacuum	<ol style="list-style-type: none">1. Verify tubing connection security2. Check for leaks or tubing kinks3. Ensure that float shut-off is not activated4. Check for leaks and cracks
Low Vacuum	<ol style="list-style-type: none">1. Use vacuum adjust knob to increase vacuum level2. Check system for leaks3. Adjust vacuum adjust knob and release

Limited Warranty

Limited Warranty

We offer to you, as the original purchaser, a warranty for the Attendant aspirator. Our warranty applies for the limited warranty period stated below. If any device or device part listed below is defective in material or workmanship during the applicable limited warranty period, we will repair or replace it at our cost. Please note that the decision to repair or replace a device or device part will be at our discretion. Our warranty applies only if the device is properly maintained by the original purchaser for normal, indoor use and does not cover normal wear and tear, modification of the device, or damage caused by abuse, improper use, failure to maintain, use which exceeds the published device limitations, or the combination of any device with another product. In addition, our warranty does not cover fading, characteristics or natural variations in fabric, texture, colorfastness, stains, spills, or exposure to chemicals, odors, heat or light. In certain cases, we may provide you repair or adjustment instructions and/or replacement parts, and ask you to perform a repair or adjustment or replace a defective part. Our warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state. Please note that our limited warranty period begins when we ship the device to you. The limited warranty period and our obligations under the warranty end once you transfer the device to someone else, or at the end of the applicable limited warranty period identified below, whichever is earlier.

	Warranty Period (Parts)	Anticipated Useable Device Life
Direct Supply Attendant Aspirator (excluding accessories)	2 years	2 years

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Some states do not allow an exclusion or limitation of incidental or consequential damages or how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. If implied warranties are not excluded, and to the extent allowed by law, we limit any and all implied warranties to the applicable warranty period identified above. Except for rights under any applicable state law, the remedies provided under this warranty are your sole and exclusive remedy for any breach of our warranty and state the entire limit of our responsibilities.

Customer Service

Customer Service

Our promise to you is that you will have a convenient and easy ordering experience, receive a quality device and enjoy outrageous customer service. If you have any questions about the aspirator you have purchased or would like to request warranty service, please contact us at: Direct Supply® Equipment & Furnishings™, 1-800-634-7328, 6767 North Industrial Road, Milwaukee, WI 53223, deardirect@directsupply.com



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