

User Manual

Sizewise™ Air Transfer Device



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User Manual

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Definition of Symbols

Manual Definitions

Throughout this manual different type fonts and icons are used to aid user readability and understanding of the content. Below are some examples.

Standard Text

Used for regular information.

Bold Face Text

Emphasizes a word or phrase.

NOTE:

SETS APART SPECIAL INFORMATION OR IMPORTANT INSTRUCTION CLARIFICATION.

Warnings and Cautions



Warnings/Cautions: This symbol is intended to alert the user to the presence of important operating, maintenance or servicing instructions. Disregarding a warning could result in patient and/or user injury as well as damage to equipment.



Electrical Shock Hazard Warning: This symbol is intended to alert the user to the presence of electrical shock hazards. It is important to follow all instructions and special procedures to avoid electrical shock to the operator, care provider and/or patient.

Device Information

Description of the Device

The Sizewise™ Air Transfer Device (ATD) is used to assist with lateral transfers and repositioning anywhere in the hospital. It is radiolucent and artifact free so patients may remain on the mattress for all ancillary procedures, including Diagnostic Radiology, Nuclear Medicine, MRI, or Radiation Therapy. The Sizewise™ ATD has a weight capacity of up to 1,200 lbs (544 kg); it is available in four different widths to accommodate the body mass of the patient.

The Purpose of the Device

The purpose of the Sizewise™ ATD is to dramatically reduce back injuries to staff that are caused by lateral transfers and repositioning. In addition, fewer staff members are required and a very comfortable and safe transfer for the patient is provided.

Indications for Use After the patient is placed on the mattress and the air supply is activated, low pressure air from the small air supply will inflate the mattress. At the same time the air is supporting the patient, the air is escaping from the perforations in the underside of the mattress. The escaping air acts as a lubricant to reduce friction, which facilitates effortless transfers. With less force needed to transfer a patient, there is less physical effort and strain expended by caregivers.

Specifications (Fully Inflated)

Widths available.....	28”(71 cm), 34”(86 cm), 39”(99 cm), 50”(127 cm)
Height.....	8” (20 cm)
Length.....	78” (198 cm)
Weight Capacity.....	up to 1,200 lbs (544 kg)
Radiolucent for X-Ray/MRI.....	YES
Use Humidity.....	10%-70% Non-Condensing
Use Temperature.....	50° to 104° F (10° to 40° C)
Power Input.....	120V,60 Hz, 10A
Air Supply Weight.....	11 lbs (5 kg)
Air Supply Material.....	Lexan/Stainless Steel
Air Supply Dimensions.....	Diameter 9” (22.8 cm)...Height 16” (40.6 cm)
Power Cord.....	15’ (457 cm)
Storage/Shipping Temperature.....	-40° to 176°F (-40°to 80°C)
Storage/Shipping Humidity.....	10%-70% Non-Condensing
Electrical Classification.....	Class 1 Equipment
Degree of Protection.....	Type BF Applied Part
Mode of Operation.....	Continuous Operation
Material.....	Double Coated: Nylon Twill W/Silica Polyurethane Coating

Operating Instructions:

The Sizewise™ ATD should be placed on the patient bed or stretcher prior to patient use. However, if this not the case, the patient is placed onto the transfer mattress using the common log rolling technique, the same as used to change a bed sheet. The buckled patient safety straps are attached. If the patient is lying on a pad or absorbent sheet to keep the bed clean, it can be placed on top of the mattress to help keep it clean. The transfer mattress can simply be wiped down between patients with the current anti-bacteria cleaner being used on stretchers, or if the mattress really becomes soiled, it can be laundered. Follow facility protocols and procedures for cleaning of equipment. (See Cleaning Instructions in the Table of Contents). The Power Button on the Air Supply Control Unit does not have an On/Off Indicator. To avoid incident, follow the instructions in the manual carefully.

1. Ensure support surface/mattress that the patient is going to be transferred to is at the highest level of air flow prior to transfer. (When transferring to a low air loss bed).
2. Ensure transfer surfaces are as close as possible and equipment wheels have brakes applied.
3. Place the Sizewise™ ATD underneath the patient using the log-rolling technique and attach patient safety straps. Whatever the patient is laying on to keep the bed mattress clean can be placed on top of the transfer surface to keep it clean.
4. Plug the electrical cord into a grounded 120v AC hospital grade outlet.
5. Attach the flexible hose end to the mattress, parallel to the foot end of the bed or shuttle, and snap in place.
6. Turn on air supply unit while keeping attention on the patient.
7. When inflation of the mattress is complete, grasp the pull handles and pull the patient on an angle, either head first or feet first, until the patient is in the desired location.

NOTE: Be careful not to pull on the patient safety straps, but use the pull handles for pulling. Avoid over transferring.

8. Ensure the patient is centered on the receiving equipment prior to turning off the air supply and deflating the Sizewise ATD System.
9. Turn off the air supply and employ the bed/stretcher rails. Disconnect the hose from the mattress.

NOTE: Never leave the patient unattended on an inflated transfer mattress. Always use bed rails on opposite side for safety.

When transporting the stretcher and patient to the next location, the air supply can hang on the stretcher/bed and be transported with the patient. It can also remain on the unit to be used with other transfer mattresses. When the patient arrives at the ancillary department, the staff will reconnect the air supply hose and transfer as above. Using the Sizewise™ ATD minimizes the need for a large lift team.

Cleaning Instructions

WARNING and CAUTION:



It is recommended that gloves and protective clothing be worn at all times during cleaning and disinfecting. Prior to using cleaning/stain removal agents, read Safety Data Sheets for appropriate safety measures.

To Launder the Transfer Mattress:

The mattresses are constructed of nylon twill. In between patient use, the mattress should be wiped down with phenolic disinfectants, quaternaries, or other similar type solutions, as per hospital protocol for stretchers, OR pads and/or bed mattresses. If the nylon mattress becomes badly soiled, it can be laundered in a washing machine with a 160° degree Fahrenheit (65° C) maximum water temperature. A 100:1 bleach solution may be used (100 parts water: one part bleach) during the wash cycle.

The mattress should be air dried if possible. Air drying can be expedited by using the air supply unit to circulate air through the inside of the mattress. The backing of the nylon is polyurethane, and will begin to deteriorate after repeated high temperature drying. The Sizewise™ ATD mattress should never be put in the dryer.

Air Supply unit Cleaning and Maintenance

NOTE: Hand clean only. DO NOT place in sterilization room or chamber.

1. Personal Protective Equipment should be used as directed by the Safety Data Sheet for the disinfectant.
2. Prepare the disinfectant according to the manufacturer's recommendations.
3. Turn off the Air Supply unit and disconnect it from all electrical power to avoid electrical shock.
4. When cleaning the Air Supply unit avoid excessive moisture, especially in areas where there are electrical connections and components, to prevent damage.
5. All surfaces of the Air Supply unit and the power cord are to be wiped using a coarse cloth, dampened with the disinfectant solution prepared as directed by the manufacturer's recommendations, to remove organic material and visible soil.
6. Allow the Air Supply unit to remain wet with disinfectant solution for the manufacturer's recommended contact time.
7. Rinse all surfaces of the Air Supply unit with fresh water and use a clean cloth to remove chemical and organic residue.
8. After cleaning, all surfaces are to be dried with a clean, dry cloth.

NOTE: To keep equipment working efficiently and effectively for an extended time period, it is essential to make sure the equipment is cleaned regularly.

NOTE: Do not spray cleaners or liquids directly on the Air Supply.

NOTE: Check your Local/State/Federal Regulations Prior To Disposal.

Nylon Taffeta Mattress and Top Cover Cleaning Recommendations:

Personal Protective Equipment should always be used as directed by the disinfectant's Safety Data Sheet.

1. Prepare the disinfectant according to the manufacturer's recommendations.
2. Prepare a separate bucket of warm, fresh water to be used for rinsing the equipment after cleaning/disinfecting procedures are completed as instructed.
3. All surfaces of the mattress are to be wiped using a coarse cloth dampened with the disinfectant, prepared as directed by the manufacturer's recommendations, to remove organic material and visible soil.
4. Allow the mattress shell to remain wet with disinfectant solution for the manufacturer's recommended contact time.
5. Stains on the mattress top cover may be treated using an approved stain remover, according to the manufacturer's recommendations.
6. Rinse all surfaces of the mattress with fresh water and clean cloth to remove chemical and organic residue.

Recommended EPA Registered Disinfectant:

Wex-Cide 128 (Wexford Labs), EPA Reg. #34810-31

Equipment must be disinfected using an EPA registered, hospital-grade disinfectant, according to the manufacturer's recommendations for use.

Recommended Stain Remover(s):

Stain Away (ABC Compounding)

This stain remover is effective in removing most difficult stains and is intended to be used in its original concentration.

Infection Control

Whatever the patient is laying on to keep the hospital bed clean may be placed on top of the Sizewise™ ATD mattress to help keep it clean. If the mattress is used on an isolation patient, the hospital shall employ the same protocols/procedures it utilizes for the bed mattress and/or for the linen from that patient room.

***Clostridium difficile* (C. diff) Prevention:**

Clorox Germicidal Wipes (Clorox Professional Products Company), EPA Reg. #67619-12

Green Alternative EPA Registered Disinfectant for *Clostridium difficile* (C. diff) Prevention:

Steriplex SD EPA Reg. # Activator (Part B) #84545-10, (Part A) #84545-11

These pre-moistened wipes meet the CDC's recommendations for *Clostridium difficile* (C.diff) bacteria, after the manufacturer's recommended "wet contact time".

1. Perform hand hygiene using soap and warm water, or hand sanitizer, and then put on disposable gloves and eye protection.

2. Use wipes to clean the top and front of head/footboards, hand controls and cords, side rails and mattress top cover, making sure to wipe between the mattress and side rails.
3. Change wipes often to ensure that surfaces remain wet with disinfectant for the manufacturer's required contact time.
4. Remove disposable gloves and discard in the trash; perform hand hygiene using soap and warm water, or hand sanitizer, and then remove eye protection.

To reduce the discoloration of fabrics and degradation of the support surface lining, surfaces must be thoroughly rinsed with clean, fresh water to remove chemical residues immediately after the manufacturer's recommended "wet contact time" has been reached. The use of bleach-based solutions must be avoided whenever possible.

Safety Tips

Storage and Disposal

Keep the mattress in a clean dry area, away from heat or flames. Store the air supply and support surface in a temperature range between -40°F(-40°C) and 176°F (80°C). Always store the support surface flat on a clean, level surface. Avoid storage of other equipment on top of the support surface.

End-of life products must be disposed of properly according to local laws and regulations. Please contact your local authorities for disposal and recycling options.

Important Safety Instructions

Unpacking and Set-Up Instructions

- Keep out of direct sunlight.
- DO NOT expose to temperatures greater than 80°C (176°F) or below -40°C (-40°F).
- Ensure the power cord is plugged into a properly grounded 120v AC hospital grade outlet.

Safety Tips

- Medical equipment should not be used, stacked or located on or around equipment that may create electromagnetic interferences.
- The use of cables or accessories other than those for which the blower was designed or tested can significantly degrade emissions and immunity performance.
- DO NOT use the device if the power cord is cut, frayed or loosely connected.

Mattress Cleaning Instructions

- It is recommended that gloves and protective clothing be worn at all times during cleaning and disinfecting. Follow facility protocols and procedures.
- DO NOT autoclave.

Troubleshooting

- Only authorized personnel should engage in the troubleshooting process. Troubleshooting by unauthorized persons could result in personal injury or equipment damage.

Warning and Cautions



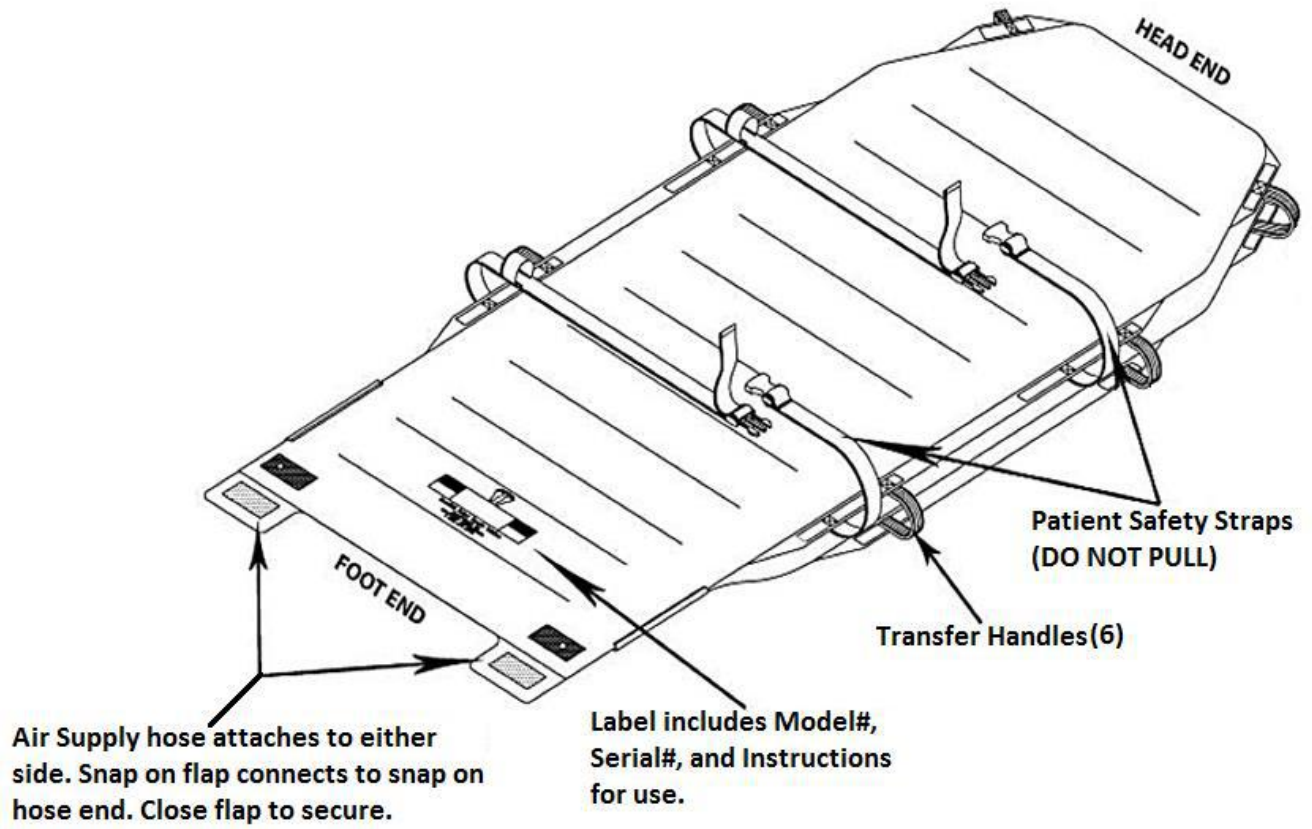
1. Caregivers must ensure that all caster brakes have been engaged prior to transfer.
2. Never attempt to move a patient on an uninflated support surface.
3. Do not block the air intakes of the Air Supply.
4. Never leave a patient unattended on an inflated device.
5. Use this product only for its intended purpose as described in this manual.
6. Only use authorized parts/attachments.
7. Always use a minimum of 2 Caregivers for transferring patients.

Electrical Hazards

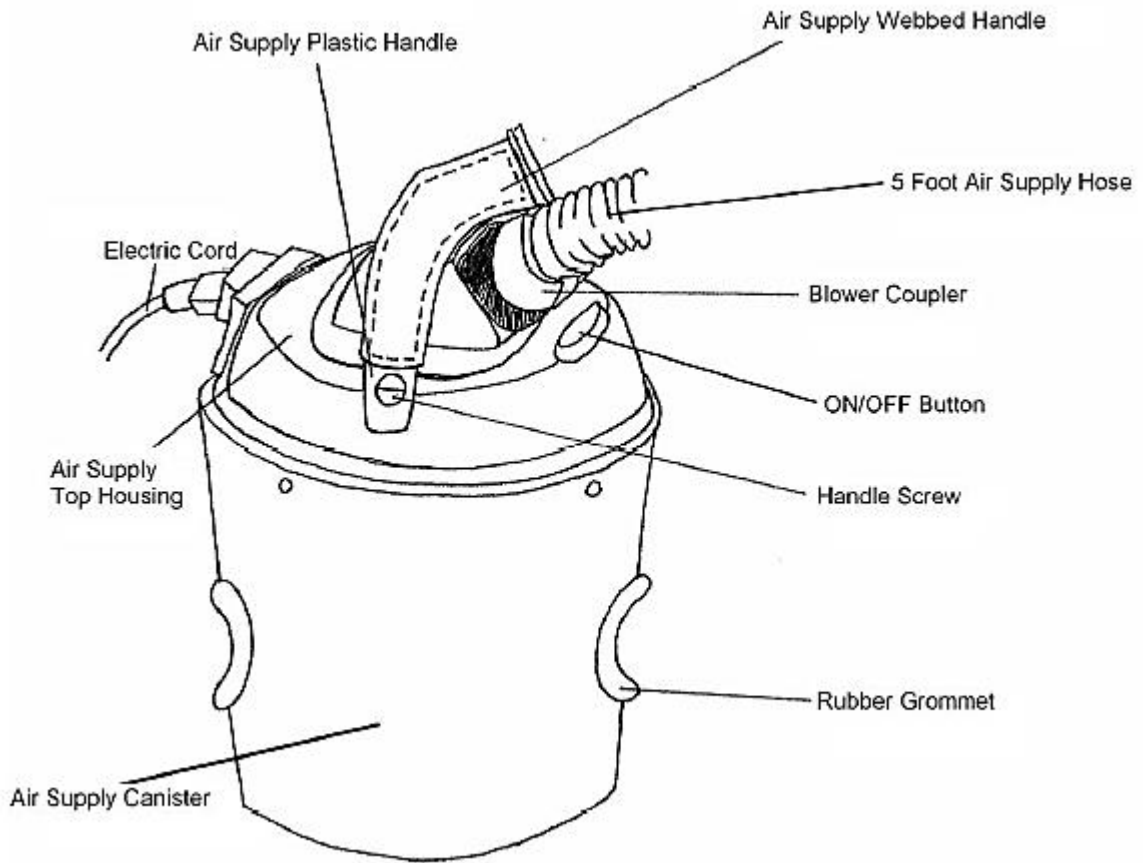


1. Prior to each use ensure all cords are in good condition.
2. Unplug all sources of energy prior to maintenance or repair.
3. Ensure the power cord is routed free of hazards at all times.
4. Unplug power supply prior to cleaning of electronic equipment.
5. Ensure all electrical outlets used have appropriate electrical grounds.

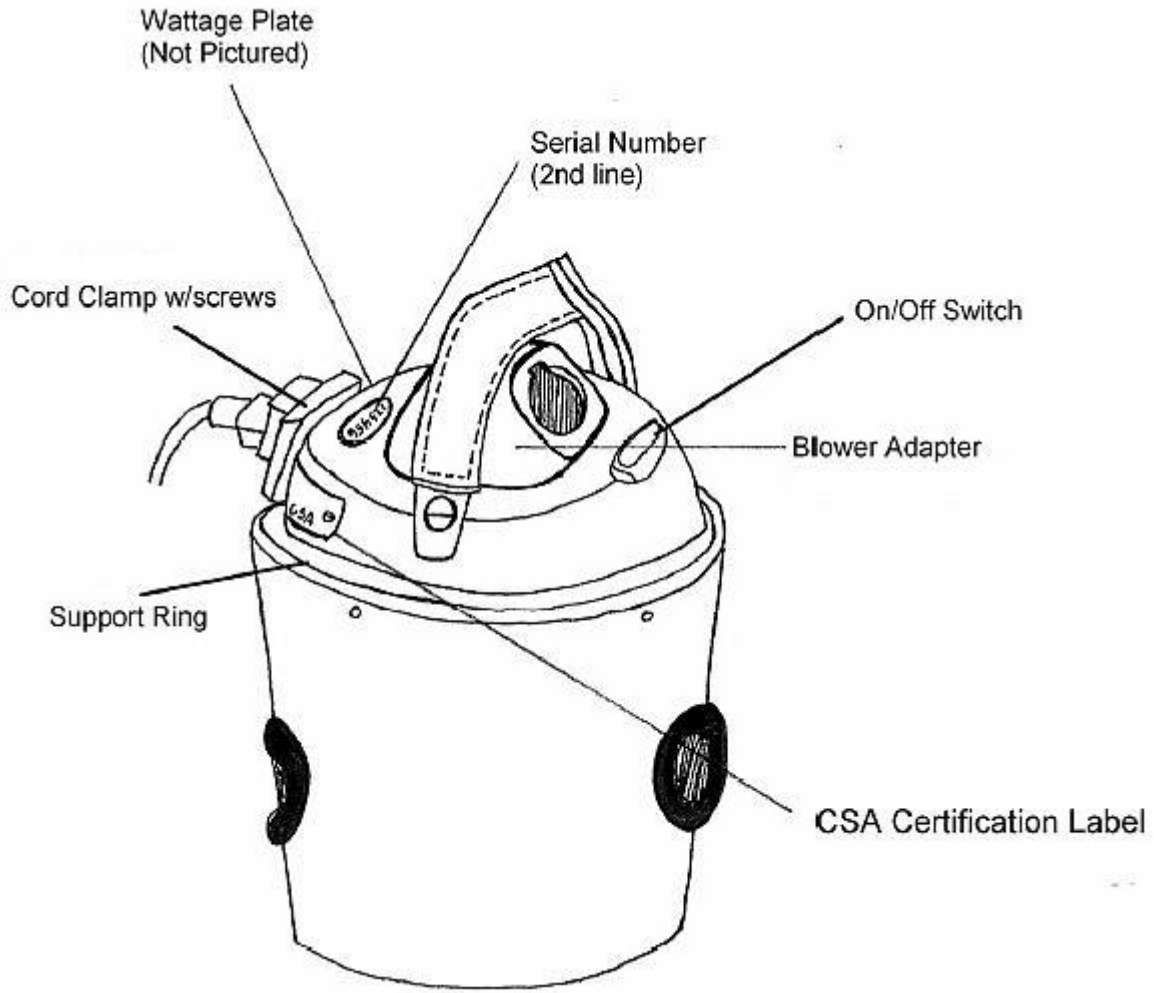
The Sizewise™ ATD Support Surface Diagram



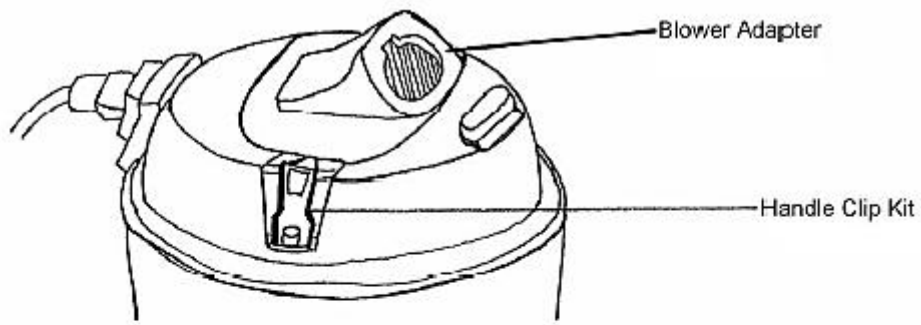
Air Supply Unit Diagrams



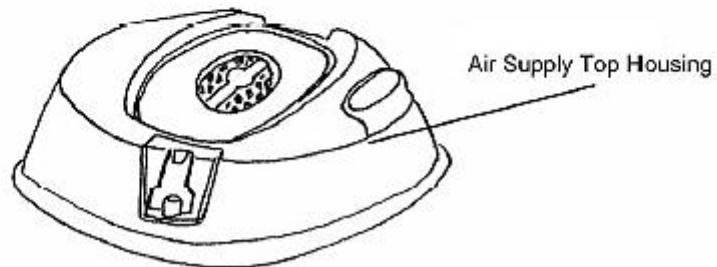
Hose Attached



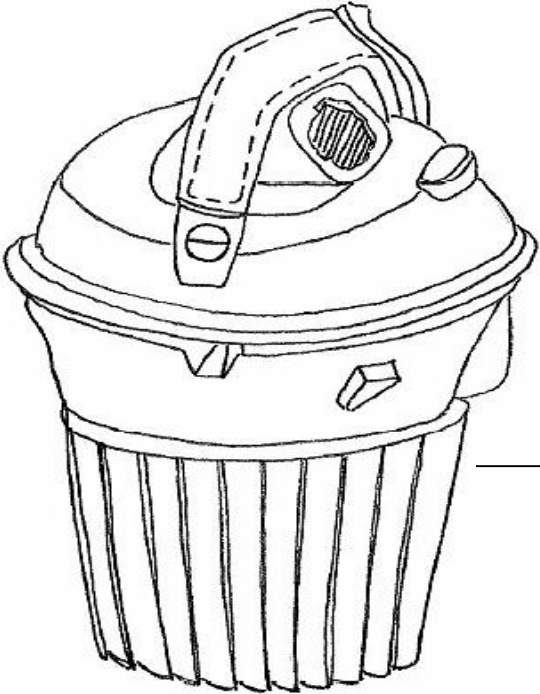
Handle Intact



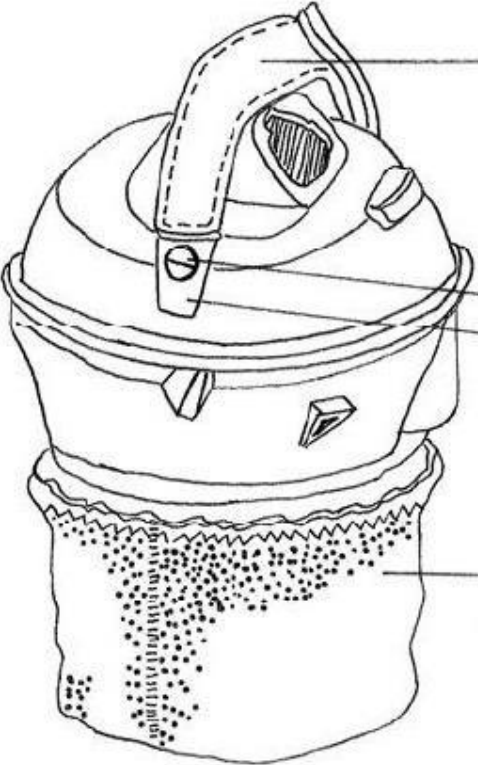
HANDLE REMOVED



BLOWER ADAPTER(BA-100) REMOVED



Filter Removed



Air Supply Webbed Handle

Handle Lock Screw

Plastic Handle

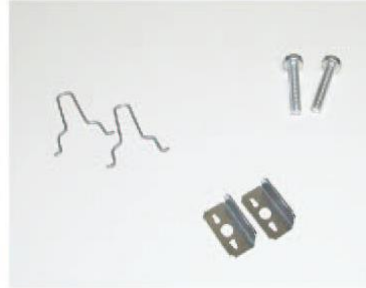
Air Supply Filter

Frequently Ordered Parts

The following is a list of parts that are frequently ordered for self-replacement and repairs. To aid in ordering parts, please use the provided product numbers given below for each part. The replacement of some parts not listed here may require sending in the unit to the manufacturer for repairs.



Blower Coupler
Part# 27605427



Handle Clip Kit
Part# 27605422



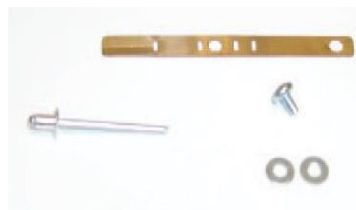
Blower Adaptor
Part# 27605426



Motor Plug Receptacle
Part# 27605423



5 Foot Air Supply Hose
Part# 27605421



Ground Pin Kit
Part# 27605420

A 25" Air Supply hose is also available as an option for use in the MRI Environment and can be requested by contacting the parts and service department listed on the bottom of the next page.



Plastic Handle
Part# 27605424



Handle Lock Screw
Part# 27605428



Mattress Strap Buckle
Part# 27710024

How to obtain Parts and Service

Contact Sizewise Parts and Service at 1-800-814-9389 to speak with a qualified specialist who can assist with troubleshooting, parts and repairs. The product model and serial identification numbers are required for service and parts. Please have these readily available when contacting the Parts and Service department.

Maintenance



CAUTION: The mattress requires regular maintenance to ensure performance and avoid premature wear, damage and injury.

Check the items on this chart at the indicated intervals. If any of the items are loose, worn, bent or distorted immediately have them checked and/or repaired by an authorized Sizewise technician. Frequent maintenance and servicing will improve performance and extend mattress life. For long term use, the following maintenance chart should be followed:

	Weekly	One Month	Three Months
Air Filter	X		
Top Cover		X	
Mattress Base		X	
Mattress Connections			X
Air Supply Operation			X
Power Cord			X

The following is an equipment safety checklist that can be used with the maintenance chart to maintain and service this product:

- Inspect top cover for punctures, rips, tears or damage.
- Inspect mattress base for punctures, rips, tears or damage.
- Connect the Air Supply unit and verify proper operation.
- Ensure air filter is clean and properly installed into Air Supply unit.
- Ensure mattress is clean/disinfected and patient ready.
- Ensure power cord is free of damage and has appropriate ground.

Troubleshooting



CAUTION: Only authorized personnel should engage in the troubleshooting process. Troubleshooting by unauthorized persons could result in personal injury or equipment damage.



WARNING: To avoid electrical shock, DO NOT open the Air Supply unit. Refer servicing to qualified personnel only.

If mattress is not inflating:

- Check that the hoses are not punctured, kinked or disconnected.
- Check for proper connections from the hoses to the Air Supply unit. Make sure they are secure.
- Check filter.

If there is power loss:

- Check the ON/OFF switch.
- Check power cord for any damage.

NOTE: If the troubleshooting process does not solve the problem please contact a Sizewise representative for service.

Warranty Information

Sizewise Rentals™, LLC (Sizewise) Limited Warranty

Sizewise is dedicated to manufacturing and distributing equipment that provides solution-oriented approaches to exceed the clinical, comfort and safety needs of our customers. Sizewise is proud to offer to the original purchaser, the following warranties, effective February 20, 2012:

Product	Capacity	Parts Warranty	Electronics
SW™ ATD	Up to 1,200 lbs. (544 kg)	1 yr. on Air Supply 1 yr. on Support Surface. 90 days on Top Cover.	1 yr.

1 Year Non-Prorated Warranty

Support Surface, & Air Supply unit - if, within the first 12 months from the date of purchase, a defect is found in material or workmanship, we will inspect and repair or replace the product at no charge. During the normal use of a product fabrics may stretch and foam layers may discolor and lose some resiliency. This warranty does not cover changes in materials from normal use.

90 Day Non-Prorated Warranty

Top Cover – if, with the first 90 days from the date of purchase, a defect is found in material or workmanship, we will inspect and repair or replace the product at no charge. During the normal use of a product fabrics may stretch and foam layers may discolor and lose some resiliency. This warranty does not cover changes in materials from normal use.

How to obtain Parts and Service

1. Contact Sizewise Parts and Service at 1-800-814-9389 to speak with a qualified specialist who can assist with troubleshooting, parts and repairs. The product model and serial identification numbers are required for service and parts. Parts can be expedited upon request for an additional fee. If on-site technical service is required, a qualified service representative will be dispatched.
2. If a product or part should be returned to Sizewise, a return authorization number (RA#) will be issued. The RA# will be valid for 21 days from the date it is issued.
3. If the problem is a result of defective material or workmanship, the product or part will be replaced or repaired at the discretion of Sizewise, at no charge to the customer.
4. For replacement or repair of a product or part not covered under this warranty, or if warranty is void, the standard rates will apply. Freight or delivery charges will be billed to the customer.
5. Sizewise products are identified by serial number. Removal of this number may void the warranty.

Limitations and Exclusions

1. Products that have been subject to negligence, abuse, improper storage or handling, improper operation, unauthorized modifications or damages beyond normal wear and tear, as determined by Sizewise, are not covered by this warranty.
2. If weight capacity on any such product is exceeded, the warranty will be void. Any unauthorized repairs to product/part, as well as tampering with any components, will void the warranty.
3. Parts or materials that are subject to normal wear resulting from the use of these products that must be replaced or repaired are excluded and are not covered by this warranty.
4. **SUBJECT TO STATE SPECIFIC LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND SHALL NOT EXTEND BEYOND THE DURATION OF THIS WARRANTY. SIZEWISE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES.**
5. This warranty applies to the original purchaser only and is non-transferable.
6. Cleaning upholstery or fabrics with harsh chemicals, or bleach, outside the recommended cleaning guidelines may void the warranty.

User Assistance Information

For questions or assistance with this product, contact Sizewise at:

Sizewise
1600 Genessee
Suite 950
Kansas City, Missouri 64102
Phone: 1-800-814-9389



SIZEWISE

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