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AIRCAST AC141FB04-S

Aircast SP (Short Pneumatic) Walker Brace/Walking Boot

Model: AC141FB04-S

Brand: AIRCAST

INTRODUCTION

The Aircast SP (Short Pneumatic) Walker Brace/Walking Boot is designed to provide protection and pneumatic support for various lower leg and foot injuries. This removable cast allows for mobility during recovery from stable fractures of the foot and ankle, severe ankle sprains, soft tissue injuries, chronic conditions like plantar fasciitis, metatarsal fractures, forefoot and midfoot injuries, bunionectomies, and post-operative use.

Its lightweight, semi-rigid shell features a pre-inflated anterior air cell and two adjustable Duplex air cells at the malleoli, which can be individually inflated using the included hand bulb air pump to achieve a customized, total contact fit and secure support. The low rocker sole promotes a natural gait, enhancing mobility, while the generous foot base accommodates dressings comfortably. The universal design allows it to be worn on either the left or right leg.

SAFETY INFORMATION

Important: Always consult with a healthcare professional before using this device and follow their specific instructions regarding its application and use.

- Do not overtighten straps, as this may restrict circulation.
- Regularly inspect your skin for any signs of irritation, redness, or pressure points. If irritation occurs, discontinue use and consult your healthcare provider.
- Ensure the boot is properly fitted and adjusted to prevent excessive movement or instability.
- Use caution when walking on uneven surfaces or stairs.
- Keep out of reach of children.

COMPONENTS

The Aircast SP Walker Brace/Walking Boot typically includes the following components:

- Main Walker Boot Frame (semi-rigid shell with integrated air cells)
- Removable Liner/Padding
- Strap System (Velcro straps)

- Hand Bulb Air Pump



Figure 1: Front view of the Aircast SP Walker Brace, showing the main frame, straps, and internal padding.

SETUP AND APPLICATION

1. Prepare the Boot:

Open all straps and remove the front panel of the boot. Ensure the internal liner is smooth and free of wrinkles.

2. Position Your Foot:

While seated, carefully place your injured foot into the boot, ensuring your heel is seated firmly at the back. The liner

should fully encompass your foot and lower leg.

3. **Apply Front Panel:**

Re-attach the front panel over the top of your foot and shin. Ensure it is centered and secure.

4. **Secure Straps:**

Starting from the bottom (closest to the toes) and working your way up, fasten each Velcro strap. Pull straps snugly but not so tight as to cause discomfort or restrict circulation. The straps should hold the boot firmly in place.

5. **Inflate Air Cells:**

Locate the inflation valve on the side of the boot (usually near the ankle). Connect the hand bulb air pump to the valve. Squeeze the bulb to inflate the air cells until you feel comfortable, even compression around your ankle and lower leg. Do not over-inflate. The goal is a snug, supportive fit, not extreme pressure.

6. **Check Fit:**

Stand up and take a few steps to ensure the boot feels stable and comfortable. If needed, adjust the strap tension or air cell inflation. The boot should provide firm support without causing pain or excessive pressure points.

Note: The Aircast SP Walker Brace is designed for universal fit and can be worn on either the left or right leg.

OPERATING INSTRUCTIONS

Walking with the Boot

The low rocker sole of the Aircast SP Walker Brace is designed to promote a natural walking motion. When walking, try to maintain a smooth, rolling gait from heel to toe. Avoid stomping or dragging your foot.

Adjusting Air Cells During Use

Your foot and ankle may experience swelling fluctuations throughout the day. You can adjust the air cell inflation as needed:

- **To Increase Support:** Reconnect the hand bulb and add more air until comfortable.
- **To Decrease Pressure:** Press the small button on the hand bulb (or the valve itself, if applicable) to release air gradually until the desired comfort level is achieved.

It is recommended to deflate the air cells slightly before going to bed for increased comfort during sleep, then re-inflate in the morning.

MAINTENANCE

Cleaning Instructions

- **Liner:** The removable liner can be hand washed in cold water with mild soap. Air dry completely before reinserting into the boot. Do not machine wash or tumble dry.
- **Outer Shell:** Wipe the plastic outer shell with a damp cloth and mild soap. Do not submerge the boot in water.
- **Sole:** The sole of the boot can be cleaned with a damp cloth or paper towel, especially after outdoor use, to maintain hygiene.

Storage

Store the Aircast SP Walker Brace in a cool, dry place away from direct sunlight when not in use. Ensure all components are clean and dry before storage.

Inspection

Periodically inspect the boot for any signs of wear, damage, or degradation of materials, especially the straps and air cells. If any damage is observed, contact your healthcare provider or the manufacturer for advice.



Figure 2: Bottom view of the Aircast SP Walker Brace, showing the textured sole for traction.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Boot feels too loose or unstable.	Straps are not tight enough; air cells are under-inflated; swelling has decreased.	Tighten straps, ensuring they are snug. Inflate air cells further using the hand bulb until a secure fit is achieved. Consult your healthcare provider if instability persists.
Boot feels too tight or causes discomfort.	Straps are too tight; air cells are over-inflated; swelling has increased.	Loosen straps. Release air from the air cells by pressing the button on the hand bulb or valve. If swelling is significant, consult your healthcare provider.
Air cells do not inflate or deflate properly.	Valve connection is loose; pump malfunction; air leak.	Ensure the hand bulb is securely connected to the valve. Check the pump for damage. If there's a suspected air leak in the boot, contact the manufacturer or your healthcare provider.
Boot makes a "scraping" or "velcro" noise when walking.	Friction between the front plastic panel and the main boot frame, often due to Velcro contact.	This can sometimes be mitigated by adjusting the position of the front plastic panel. Some users have found success by inverting the front panel (so the writing is upside down) as the Velcro placement may differ slightly, reducing friction. Ensure the main straps are sufficiently tight to hold the boot securely.

SPECIFICATIONS

Model: AC141FB04-S

Brand: AIRCAST

Size: Small (as per product variant)

Material: Neoprene (liner), Semi-rigid plastic (shell)

Color: Grey

Item Weight: Approximately 1.6 Pounds (0.73 kg)

Package Weight: Approximately 0.83 Kilograms

Item Package Dimensions (L x W x H): Approximately 10.7 x 10.3 x 4.55 inches

Specific Uses: Bunion, Fracture, Plantar Fasciitis

Use for: Ankle

Age Range: Adult

Country of Origin: Mexico

WARRANTY AND SUPPORT

For specific warranty information regarding your Aircast SP Walker Brace/Walking Boot, please refer to the documentation included with your purchase or contact the manufacturer directly. Warranty terms may vary.

If you require technical support, have questions about the product's function, or need assistance with a specific issue not covered in this manual, please contact AIRCAST customer service or your healthcare provider.

Please note: No official product videos were available from the seller in the provided data to embed in this manual.

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This manual is for informational purposes only and does not replace professional medical advice.