
CIRCAID[®]

by medi

2013 PRODUCT GUIDE
FOR VENOUS INSUFFICIENCY





Did you know that giraffes have venous pressures of more than 250 mmHg at their ankles? That is three times more than humans.

However, giraffes do not suffer from Lymphedema or Venous Disorders.

Physiologists have discovered the answer in the skin. Giraffe skin is inelastic, meaning that it does not stretch. Thus, giraffes are not susceptible to problems like Lymphedema and Venous Disease, even though they may be on their feet 24 hours a day.

CircAid® has incorporated this concept into its products, creating solutions that help patients heal while allowing them to maintain an independent lifestyle.

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The Benefits of Elastic

Static Compression: Elastic Compression Stockings

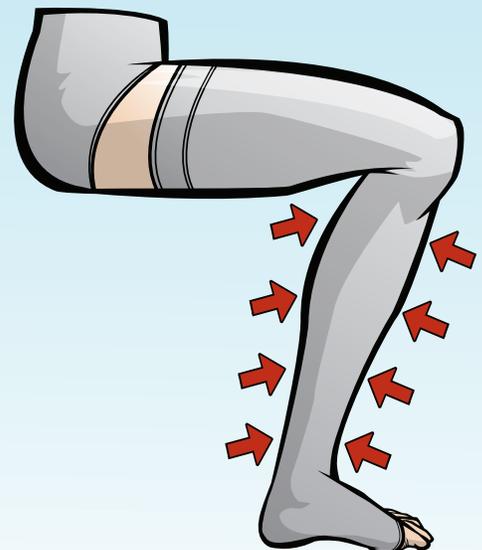
Compression stockings, both circular and flat knit, are based on the use of elastic fibers such as spandex or latex. It is this elastic fiber that enables the stocking to provide compression and also to stretch in order to apply the stocking to the limb. Because of the elastic nature of the stocking design, stockings provide a consistent or static compression to the limb; when an individual changes position, such as moving from supine to standing, the limb circumference changes. And with the elastic nature of the stocking it stretches to accommodate the change in circumference and will maintain a fairly consistent compression level regardless of position or movement.

This is particularly beneficial when a patient experiences a reduction in limb size due to the removal of excess edema in the treated limb. However it also requires that the compression stocking be removed when in a supine position (sleeping) because a consistent high compression level may result in pain in the limbs due to the decreased venous pressure.

Standing, with an elastic stocking

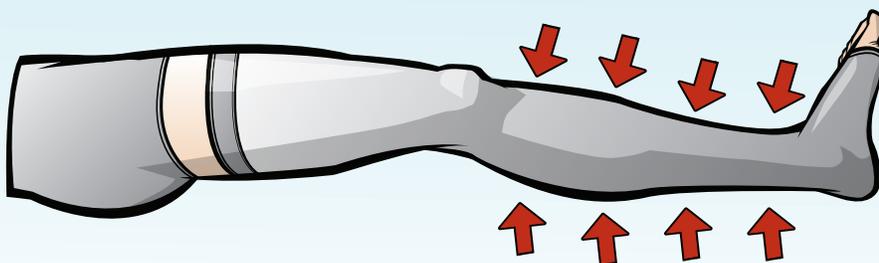


Sitting, with an elastic stocking



Compression level remains the same as patient stands or walks

At rest, with an elastic stocking



and Inelastic Compression

Dynamic Compression: Inelastic Compression Garments

Standing, with a CircAid® garment



As the name suggests, inelastic compression is the opposite of elastic compression in that the products do not stretch when circumference changes occur as the result of body movement. So what occurs when the body is in movement is that the actual compression level under the inelastic compression system will rise and fall, thus creating a dynamic compression system. This change in compression with inelastic compression systems has been demonstrated to have dramatic effects in improved venous hemodynamics and edema reduction. Inelastic compression is achieved with Unnas boot bandages, short-stretch bandages, multi-layer bandages as well as with inelastic, adjustable wraps.

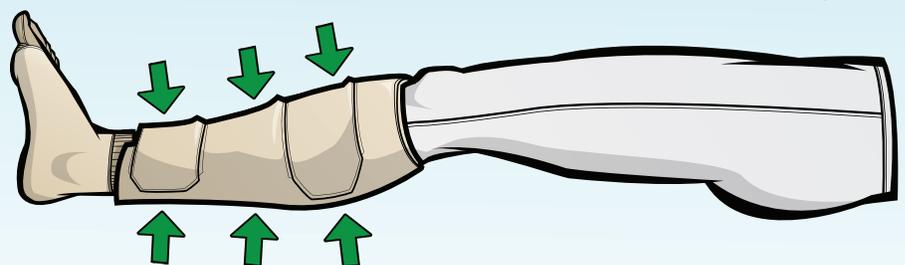
While bandage systems do provide a dynamic compression effect their main drawback is that they do not adjust with reductions in the limb size and as such over the course of wear the compression level drops. This requires that the bandages be removed and reapplied quite often to maintain adequate compression for treatment. This is what makes CircAid® Compression Systems unique. Because of its system of instantly adjustable bands, the compression level can be easily adjusted to accommodate changes in limb volume.

Sitting, with a CircAid® garment



Compression level increases as patient stands or walks

At rest, with a CircAid® garment



A woman with short dark hair, smiling, is running on a paved path. She is wearing a bright red sleeveless tank top, black leggings with white stripes on the sides, white socks, and black athletic shoes. The background shows a grassy area and a building under construction with a steel frame.

"It's wonderful for everyday wear. It's very light and easy to put on. Even to sleep with it on, it's very comfortable. I have tried several garments and Juxta-Lite™ is my garment of choice."

- Vinella M., Miami, FL



INELASTIC COMPRESSION SYSTEMS

Making Compression *Easier*.

CircAid® Medical Products is dedicated to providing medical devices and services to patients that will enable them, despite their circulatory conditions, to live active, healthy, happy and independent lives. This mission is echoed from the manufacturing floor all the way around the world to distributors and sales representatives.

“It’s amazing how well people respond to these products. They are so simple and eliminate the obstacles that frustrate the consumers (getting them on) and the medical professionals (compliance). I’ve seen so many dramatic examples of healing and size reduction, it’s hard not to get excited about CircAid®,” says Melissa Coombs, a CircAid® sales representative in New England, USA.

“A lot of times products are made without much thought beyond what might get the job done for as little cost as possible. We believe it’s important to push the design process further and really assess what is best for the patient. We try to find the simplest design that is both user friendly and comfortable while still fulfilling the basic patient needs,” remarks Tom Richardson, a CircAid® Design Engineer.

Why patients are choosing *Juxta-Lite™*

EASY TO USE

Unlike traditional compression stockings that slide over the foot and calf, Juxta-Lite™ utilizes an open-band design that wraps around the leg and is secured with the patented Juxta™ System⁹. No outside assistance or assisting devices are needed to apply the Juxta-Lite™.

CONSISTENT COMPRESSION

The Juxta-Lite™ Built-In Pressure System™ allows patients with Venous Diseases, such as venous stasis ulcers or mixed arterial-venous disease, to set the compression to an acceptable prescribed level⁸. Verifying the correct level of applied pressure is simple with the BPS™ guide card, just measure, verify and adjust; you can only do this with CircAid® garments!



COMFORTABLE TO WEAR

Juxta-Lite™ is made of soft, comfortable material and is perfect for extended daily use. The Breathe-O-Prene® material keeps the skin cool and dry. The garment also contains SILVERtec™, an anti-static, anti-odor thermodynamic agent that helps prevent the growth of bacteria within the garment.

FLEXIBILITY

Juxta-Lite™ can be worn during the day and night, due to its inelastic properties. The bands can be adjusted as needed to provide consistent compression.

AFFORDABLE

Juxta-Lite™ is competitively priced with compression stockings.

Why physicians are prescribing *Juxta-Lite*™

Juxta-Lite™ is more than the average compression garment. Juxta-Lite™ improves patient compliance while maintaining limb health^{1,5}.

ASSURED INELASTIC COMPRESSION FOR IMPROVED RESULTS

It's clinically proven that Juxta-Lite™ does not lose effectiveness and maintains consistent compression throughout the entire life of the garment. Patients gain the benefits of inelasticity with higher working pressures. As studies have shown, consistent inelastic compression can contribute to increased therapeutic effectiveness², faster healing³, and a healthier limb⁵.

PATENTED TECHNOLOGY BACKED BY SCIENCE

Juxta-Lite™ is engineered with the ability to be set to three compression levels (20-30, 30-40, or 40-50mmHg). The Built-In Pressure System™ (BPS™)¹⁰ assures that each time the garment is donned, it is set to the prescribed compression range.

SIMPLE TO SIZE, SIMPLE TO STOCK

Sizing a Juxta-Lite™ legging is as easy as sizing a compression stocking. Juxta-Lite™ requires only two circumference measurements (ankle and calf), and one length measurement (from floor to knee crease). Juxta-Lite™ is available in standard sizes (SMALL - XXL) with full calf options.

"Juxta-Lite™ has proven to be easy and comfortable for patients to use. The compression is effective of course and the ease of application encourages patient compliance. It is a great addition to your line of compression garments."

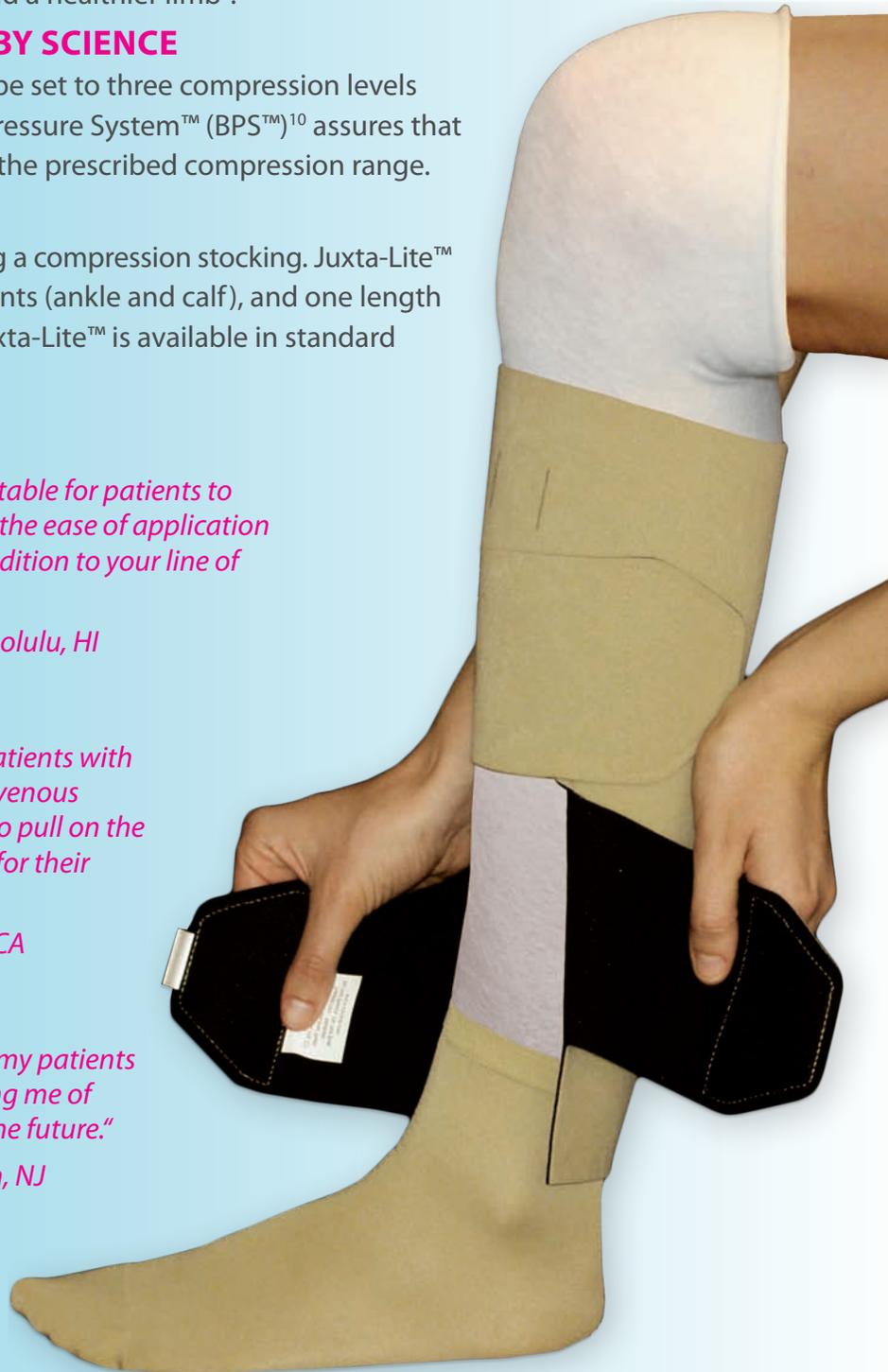
- Dr. Robert L. Kistner, M.D., Honolulu, HI

"CircAid® has been invaluable in treating my patients with Lymphedema, venous ulceration, and chronic venous insufficiency. Many of my patients are unable to pull on the strong elastic compression stockings as needed for their chronic conditions."

- Dr. Helane S. Fronck, La Jolla, CA

"I plan to continue to use CircAid® leggings for my patients in my vascular practice. Thank you for informing me of your product. I wish you continued success in the future."

- Dr. Richard K. Spence, Camden, NJ



JUXTA-LITE™

STANDARD LEGGING

An easy alternative for those who lack the strength or dexterity to use traditional compression stockings and bandages, the Juxta-Lite™ standard lower legging is available in two standard lengths, 28cm and 33cm, and in sizes ranging from Small to XXL with full calf options. The Breathe-O-Prene® material is cool, light-weight, and allows the skin to breathe. The SILVERtec™ treatment in the fabric can help eliminate odor and the growth of bacteria.

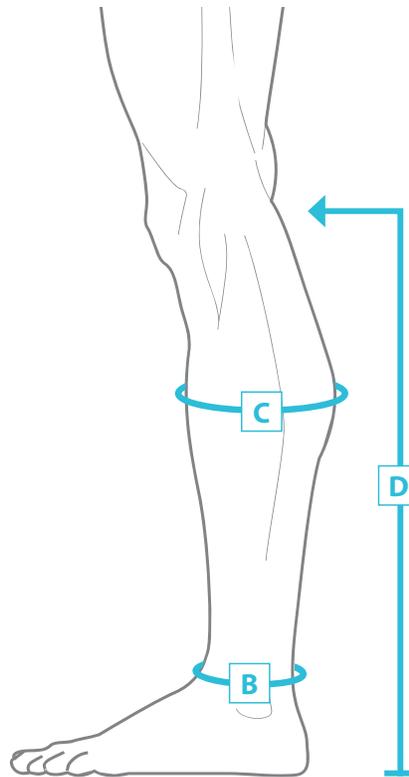
BILLING CODES

- HCPCS A6545, Gradient compression wrap, nonelastic, below knee 30-50 mmHg

SIZING

LEGGING CIRCUMFERENCE MEASUREMENTS		
SIZE	B	C
SMALL	19-22cm	25-36cm
MEDIUM	22-27cm	33-44cm
MEDIUM FULL CALF	22-27cm	44-54cm
LARGE	25-32cm	41-51cm
LARGE FULL CALF	25-32cm	51-61cm
XL	30-37cm	37-48cm
XL FULL CALF	30-37cm	48-61cm
XXL	35-42cm	53-64cm

LENGTH MEASUREMENT		
	SHORT	LONG
D	under 44cm	over 44cm



NOTE: The maximum limb circumference for the Juxta-Lite™ legging is 64cm. If your patient exceeds this measurement, custom options are available for order. Call CircAid® Customer Service at (800) CIRCAID (247-2243) for assistance.

PRICING

	SMALL	MEDIUM	MEDIUM FULL CALF	LARGE	LARGE FULL CALF	XL	XL FULL CALF	XXL	MSRP*
28CM JUXTA-LITE™ SHORT LEGGING with ANKLETS	23023017	23024017	23024117	23025017	23025117	23026017	23026117	23027017	\$84
33CM JUXTA-LITE™ LONG LEGGING with ANKLETS	23033017	23034017	23034117	23035017	23035117	23036017	23036117	23037017	\$84

* Prices may vary



EACH PACKAGE INCLUDES

- 1 - Juxta-Lite™ Compression Legging
 - 1 - Pair of Comfort Compression Anklelets™
 - 1 - Comfort Leg Liner™
 - 1 - Built-in Pressure System™ Guide Card
- An instructional DVD is available upon request.

COMPONENTS

Nylon, Polyurethane, Spandex, Silver, Satin Acetate
This product does not contain Latex.

INDICATIONS

Mild to Moderate Lymphedema, Chronic Venous Insufficiency, Post Sclerotherapy, Venous Stasis Ulcers, Post Thrombotic Syndrome, Dependent Edema and Varicose Veins

CONTRAINDICATIONS

Severe Peripheral Arterial Disease, Decompensated Congestive Heart Failure, Septic Phlebitis, Phlegmasia Cerula Dolens, decreased or absent sensation in the leg, allergy to compression materials, Moderate Peripheral Arterial Disease, infection in the ankle and/or foot

The Built-In Pressure System™

It is now possible for a patient to apply consistent compression every time they don their compression garment!

PATENTED TECHNOLOGY

Juxta-Lite™ is engineered with the ability to be set to three compression levels (20-30, 30-40, or 40-50 mmHg). The Built-In Pressure System™ (BPS™) is what makes this possible. Patients can set the compression level each time they don their legging by using the BPS™ card. In addition, Juxta-Lite™ is designed not to lose its inelastic integrity over the life of the garment.

Studies confirm that consistent inelastic compression is key to healing venous stasis ulcers³, reducing ulcer recurrence and reducing edema. This patented technology is just one of the many ways that CircAid® continues to make compression easier and more effective for your patients.

The user friendly design of Juxta-Lite™ enables patients to achieve the higher compression levels necessary to reduce ulcer recurrence¹. The patented Juxta™ System⁹ allows for the easy application and adjustment, ensuring the appropriate compression level is being applied throughout the period of wear.

“After giving a patient Juxta-Lite™, she came back a few days later for her laser treatment and told me that this was the first time in 10 years that she had any relief from the pain in her leg.”

*- Dr. Steven F. Reeder, M.D., FACS,
Dallas, TX*



ACCESSORIES



EACH PACKAGE INCLUDES
1 - Pair of Comfort Compression Anklets™

COMPONENTS
Nylon, Spandex
This product does not contain Latex.

INDICATIONS
Moderate Lymphedema, Chronic Venous Insufficiency, Post Sclerotherapy, Venous Stasis Ulcers, Post Thrombotic Syndrome, Dependent Edema and Varicose Veins

CONTRAINDICATIONS
Severe Peripheral Arterial Disease, Septic Phlebitis, Decompensated Congestive Heart Failure, Phlegmasia Cerula Dolens, decreased or absent sensation in the leg, allergy to compression materials, Moderate Peripheral Arterial Disease, infection in the ankle and/or foot



EACH PACKAGE INCLUDES
1 - Comfort PAC Band™

COMPONENTS
Nylon, Polyurethane, Spandex, Polyvinyl Chloride Plastisol
This product does not contain Latex.

INDICATIONS
Lymphedema, Other Forms of Edema: Venous, Post Traumatic, Post Surgical, "Lipedema", Varicose veins (all types), Chronic Venous Insufficiency ("CVI"), Venous Stasis Disease, Venous Valvular Insufficiency ("VVI"), Venous Insufficiency, Post Thrombotic Syndrome, Venous Ulcer (Stasis Ulcer), Angio dysplasia, Venous Eczema, Post Sclerotherapy, Thrombosis Prevention, Lipodermatosclerosis

CONTRAINDICATIONS
Severe Peripheral Arterial Disease, Septic Phlebitis, Decompensated Congestive Heart Failure, Phlegmasia Cerula Dolens, decreased or absent sensation in the leg, allergy to compression materials, Moderate Peripheral Arterial Disease, infection in the ankle and/or foot

COMFORT™

COMPRESSION ANKLET

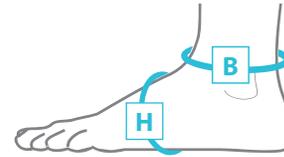
Available in Standard and Large sizes, the Comfort Compression Anklet™ gives light compression to the foot and ankle and can be worn with the CircAid® lower legging or in place of an Ankle-Foot Wrap.

SIZING AND PRICING

COMFORT COMPRESSION ANKLET™	STANDARD	LARGE	MSRP*
	RSANK001	RSANK002	\$16

*Prices May Vary

COMFORT COMPRESSION ANKLET™ CIRCUMFERENCE MEASUREMENTS		
	STANDARD	LARGE
B	19-27cm	25-50cm
H	19-36cm	22-41cm



NOTE: The maximum foot arch circumference for the Comfort Compression Anklet™ is 36cm for the Standard size and 41 cm for the Large size. If your patient exceeds these measurements, the Comfort EZ Single-Band Ankle-Foot Wrap™ is available for order (see page 25).

COMFORT™

PAC BAND

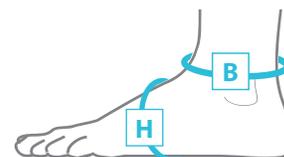
The Comfort Power Added Compression Band™ (Comfort PAC Band™) offers instantly adjustable compression targeting the ankle and arch area of the foot. Available in Standard and Large sizes, the Comfort PAC Band™ can be trimmed to fit almost every foot shape.

The lightweight and breathable material fits easily in a pair of shoes, and the Comfort PAC Band™ is designed to be paired with the Comfort Compression Anklet™ for added compression.

	STANDARD	LARGE	*MSRP
Comfort PAC Band™	38340017	38350017	\$30

*Prices May Vary

COMFORT PAC BAND™ CIRCUMFERENCE MEASUREMENTS		
	STANDARD	LARGE
B	19-27cm	25-50cm
H	19-36cm	22-41cm



NOTE: The maximum foot arch circumference for the Comfort PAC Band™ is 36cm for the Standard size and 41 cm for the Large size. If your patient exceeds these measurements, the Comfort EZ Single-Band Ankle-Foot Wrap™ is available for order (see page 25).

COMFORT™

ACCESSORY PACK

Stock up on our most popular ancillaries and save! This accessory pack includes three (3) pairs of Large Comfort Compression Anklets™, three (3) pairs of Standard Comfort Compression Anklets™, three (3) pairs of Large Comfort Leg Liners™ and three (3) Standard Comfort PAC Bands™.

SIZING AND PRICING

COMFORT ACCESSORY PACK™	ITEM NUMBER	MSRP*
	24006017	\$158

*Prices May Vary



EACH PACKAGE INCLUDES

- 3 Pairs of Large Comfort Compression Anklets™
- 3 Pairs of Standard Comfort Compression Anklets™
- 3 Pairs of Comfort Leg Liners™
- 3 Comfort PAC Bands™

COMPONENTS

Nylon, Polyurethane, Spandex, Polyvinyl Chloride Plastisol, Cotton, Lycra™, Microban® Antimicrobial
This product does not contain Latex.

INDICATIONS

Moderate Lymphedema, Chronic Venous Insufficiency, Post Sclerotherapy, Venous Stasis Ulcers, Post Thrombotic Syndrome, Dependent Edema and Varicose Veins

CONTRAINDICATIONS

Severe Peripheral Arterial Disease, Septic Phlebitis, Decompensated Congestive Heart Failure, Phlegmasia Cerula Dolens, decreased or absent sensation in the leg, allergy to compression materials, Moderate Peripheral Arterial Disease, infection in the ankle and/or foot





JUXTA-LITE™ ANKLE-FOOT WRAP

The Juxta-Lite™ Ankle-Foot Wrap gives ankle and foot coverage. The wrap comes in two standard sizes and can fit almost any foot shape. The Breathe-O-Prene® material is cool, light-weight, and allows the skin to breathe. The SILVERtec™ fabric treatment can help eliminate odor and the growth of bacteria. Also, the Juxta-Lite™ Ankle- Foot wrap is machine washable.

SIZING AND PRICING

JUXTA-LITE™ ANKLE-FOOT WRAP	SMALL	MEDIUM	MSRP*
	38231017	38232017	\$36

*Prices May Vary

ANKLE-FOOT WRAP ARCH CIRCUMFERENCE MEASUREMENTS		
	SMALL	MEDIUM
H	19-26cm	24-31cm



NOTE: The maximum foot arch circumference for the Juxta-Lite™ Ankle-Foot Wrap is 31cm. If your patient exceeds this measurement, the Comfort EZ Single-Band Ankle-Foot Wrap™ is available for order (see below).

EACH PACKAGE INCLUDES

1 - Juxta-Lite™ Ankle-Foot Wrap
1 - Set of additional hook tabs

COMPONENTS

Nylon, Polyurethane, Spandex, Silver, Polyvinyl Chloride Plastisol

This product does not contain Latex.

INDICATIONS

Lymphedema, Venous Insufficiency, Venous Stasis Ulcers, Post Thrombotic Syndrome, Dependent Edema

CONTRAINDICATIONS

Severe Peripheral Arterial Disease, Septic Phlebitis, Decompensated Congestive Heart Failure, Phlegmasia Cerula Dolens, decreased or absent sensation in the leg, allergy to compression materials, Moderate Peripheral Arterial Disease, infection in the ankle and/or foot



COMFORT™ EZ SINGLE-BAND ANKLE-FOOT WRAP

The Comfort EZ Single-Band Ankle-Foot Wrap™ is available in 3" (7.5cm) width, and can be cut to fit any foot size. This wrap gives compression to the foot and ankle.

PRICING

	ITEM NUMBER	MSRP*
COMFORT EZ SINGLE-BAND ANKLE-FOOT WRAP™ 3" (7.5CM) WIDE	38250017	\$36

*Prices May Vary

EACH PACKAGE INCLUDES

1 - Comfort EZ Single-Band Ankle-Foot Wrap™

COMPONENTS

Nylon, Spandex

This product does not contain Latex.

INDICATIONS

Lymphedema, other forms of Edema: Venous, Post Traumatic, Post Surgical, "Lipedema", Varicose veins (all types), Chronic Venous Insufficiency ("CVI"), Venous Stasis Disease, Venous Valvular Insufficiency ("VVI"), Venous Insufficiency, Post Thrombotic Syndrome, Venous Ulcer (Stasis Ulcer), Angio dysplasia, Post Sclerotherapy, Thrombosis Prevention, Venous Eczema, Lipodermatosclerosis

CONTRAINDICATIONS

Severe Peripheral Arterial Disease, Septic Phlebitis, Decompensated Congestive Heart Failure, Phlegmasia Cerula Dolens, decreased or absent sensation in the leg, allergy to compression materials, Moderate Peripheral Arterial Disease, infection in the ankle and/or foot

COMFORT™ COVERUP

The Comfort CoverUp™ can be worn over most compression garments for the lower leg. Its sleek design prevents compression garments from snagging or irritating other parts of the body. Available in black and beige, it gives the compression garment a refined look. Note: The Comfort CoverUp™ does not provide therapeutic compression.

SIZING AND PRICING

	SMALL	LARGE	MSRP*
COMFORT COVERUP™ FOR LOWER LEG (BEIGE)	RSOCV001	RSOCV002	\$12
COMFORT COVERUP™ FOR LOWER LEG (BLACK)	RSOCV003	RSOCV004	\$12
COMFORT COVERUP™ FOR LOWER LEG (CUSTOM)	RSOCV005		\$16

* Prices may vary

COMFORT COVERUP™ LARGEST LEG CIRCUMFERENCE		
	SMALL	LARGE
C	34cm -50cm	51cm -80cm



NOTE: Take measurements while wearing your compression garment to ensure the best fit. The maximum limb circumference for the Comfort CoverUp™ is 80cm. If your patient exceeds this measurement, a custom Comfort CoverUp™ is available for order.

COMFORT™ NON-SLIP LINER

The Comfort Non-Slip Liner™ is a liner that is worn directly against the skin, underneath any compression legging. Its tacky surface aids in preventing the garment from sliding. The Comfort Non-Slip Liner™ is a non-durable, multi-use, trim-to-fit sheet that is available in an 18" x 60" (46cm x 152cm) sheet.

Note: This liner does not provide therapeutic compression.

SIZING AND PRICING

	ITEM NUMBER	MSRP*
COMFORT NON-SLIP LINER™ 18" X 60" (46CM X 152CM)	RSLR0001	\$40

* Prices may vary



EACH PACKAGE INCLUDES

1 - Comfort CoverUp™

COMPONENTS

Nylon, Spandex

This product does not contain Latex.



EACH PACKAGE INCLUDES

1 - Comfort Non-Slip Liner™

COMPONENTS

Polyester fiber and binders

This product does not contain Latex.



COMFORT™

SOCK LINERS

The Comfort Sock Liners™ fit size ranges from SMALL to XXL and are available in four different varieties:

- **Comfort** - thin with added stretch
- **Cotton Terry** - extra thick for maximum comfort
- **Silver** - anti-odor, anti-microbial properties

Note: These liners do not provide therapeutic compression.

SIZING AND PRICING

	ITEM NUMBER	MSRP*
COMFORT KNEE-HIGH SOCK™	RSOBG001P	\$21
COMFORT COTTON TERRY KNEE-HIGH SOCK™	RSOCT001P	\$28
COMFORT SILVER KNEE-HIGH SOCK™	RSOSS003P	\$28

* Prices may vary



The maximum limb circumference for the:

- Comfort Knee-High Sock™ is 64cm
- Comfort Knee-High Cotton-Terry Sock™ is 91cm
- Comfort Knee-High Silver Sock™ is 71cm

EACH PACKAGE INCLUDES

1 - Pair Comfort Sock Liners™

COMPONENTS

Comfort Knee-High Sock™: Cotton, Lycra®, Nylon
 Comfort Cotton Terry Knee-High Sock™: Cotton
 Comfort Silver Knee-High Sock™: Cotton, Nylon, Lycra®,
 Silver Coated Nylon Fiber
 These products do not contain Latex.



COMFORT™

LEG LINERS

The Comfort Leg Liner™ is a footless leg liner that can be worn directly against the skin, underneath compression garments, to provide added support and comfort. Note: This liner does not provide therapeutic compression.

SIZING AND PRICING

	ONE SIZE	MSRP*
COMFORT LEG LINER™	RSOCO001P	\$15
COMFORT SILVER LEG LINER™	RSOSS005P	\$28

* Prices may vary



The maximum limb circumference for the:

- Comfort Leg Liner™ is 64cm
- Comfort Silver Leg Liner™ is 71cm

If your patient exceeds this measurement, other liners are available for order (see above).

EACH PACKAGE INCLUDES

1 - Pair of Comfort Leg Liners™

COMPONENTS

Comfort Leg Liner: Cotton, Lycra® and Microban®
 Antimicrobial
 Comfort Silver Leg Liner: Cotton, Lycra® and Silver
 Coated Nylon
 These products do not contain Latex.

COMFORT™ CAPRI

The Comfort Capri™ can be worn with any compression legging for added comfort and support from just below the knee to the waist.

Note: This product provides mild compression only and is not intended to take the place of a compression system.

PRICING

COMFORT CAPRI™	SIZES					MSRP*
	SIZE A: RCAPRI01	SIZE B: RCAPRI02	SIZE C: RCAPRI03	SIZE D: RCAPRI04	SIZE E: RCAPRI05	
		SIZE F: RCAPRI06	SIZE G: RCAPRI07	SIZE H: RCAPRI08	SIZE I: RCAPRI09	SIZE J: RCAPRI10

* Prices may vary

SIZING GUIDE

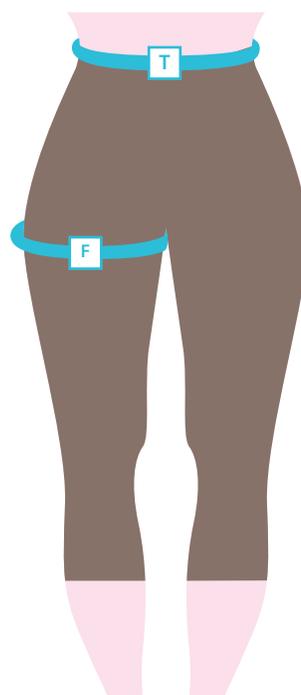
SIZE	CIRCUMFERENCE IN INCHES		CIRCUMFERENCE IN CENTIMETERS	
	WAIST (T)	THIGH (G)	WAIST (T)	THIGH (G)
A	25 - 31	18 - 24	63 - 79	46 - 62
B	26 - 33	19 - 26	67 - 85	49 - 65
C	28 - 36	20 - 27	72 - 91	52 - 70
D	30 - 38	22 - 29	76 - 96	55 - 73
E	32 - 40	24 - 32	81 - 102	60 - 81
F	33 - 43	25 - 33	85 - 108	63 - 84
G	35 - 44	26 - 35	90 - 113	67 - 90
H	37 - 47	27 - 37	94 - 119	70 - 93
I	39 - 49	28 - 38	99 - 125	72 - 96
J	41 - 51	30 - 40	103 - 130	77 - 102

When taking measurements, measure at the largest circumference point.
When selecting a size, choose the smallest size match for the most snug fit.
Choose the largest size match for a more relaxed, easy to wear to fit.

COMFORT CAPRI™ GOES GREAT WITH:



**Juxta-Lite™
Lower Legging**



EACH PACKAGE INCLUDES

1 - Comfort Capri™

COMPONENTS

Nylon, Cotton, Polyester, Lycra®

This product does not contain Latex.

Comfort Capri™ preferred over thigh-high elastic compression stockings by post vein ablation patients

A Pilot Study July 2011

John Mauriello MD, Cardiovascular and Vein Center of Florida
Teresa Kennerknecht, CircAid® Medical Products, Inc.

Objective: To determine the suitability of the Comfort Capri™ as a compression device following great saphenous vein (GSV) ablation procedures. The study looked at patient satisfaction and preference of the Capri compared to traditional thigh-high gradient compression stockings.

Background: Vein ablation is a minimally invasive procedure that eliminates abnormal, refluxing veins. Patients who undergo this procedure may experience mild to moderate pain, tenderness, bruising, and swelling for a few days following the procedure. These symptoms have historically been treated with compression in the form of elastic compression stockings. Compression offers support and protection for the affected area and may also prevent the rare possibility of blood clots forming.

Treatment: Comfort Capri™ and thigh-high compression stockings were applied on 7 women who underwent bi-lateral GSV ablation. Each leg was treated individually with a 7-10 day waiting period between procedures. Ablation was performed with a 1470 nm laser. Patients ranged in age of 40 to 65 years and were randomized to wear the Comfort Capri™ or the stocking for the first treatment, then were asked to wear the other garment for comparison

following the second treatment. The Comfort Capri™, which covers from below the knee to the waist, and the thigh-high elastic compression stocking were worn for an average of 5 and 4 days, respectively. Evaluated aspects included application, removal, fit, pain level, comfort, adhesiveness, and overall quality.

Results: Patient response to the Comfort Capri™ was overwhelmingly positive. Five of the 6 patients preferred the Capri over the stocking and the remaining patient did not have a preference. Patients reported that the Comfort Capri™ was easier to apply, was more comfortable, offered a better fit, and stayed in place better than the compression stocking. One patient was excluded from the comparative data as she did not wear both garments, but nevertheless rated the Capri's features as being excellent.

Conclusions: This small pilot study suggests a strong trend towards patients preferring the Comfort Capri™ for compression instead of compression stockings after GSV ablation treatment. The Capri received an equal or better rating in all categories, which suggests that patients prefer the Capri as a compression solution over the elastic stocking.

Patients noted that the Capri was slimming and that they liked how easily it could be worn underneath clothing. It was also reported, however, that the Capri did not always fit properly. Two patients complained about tightness at the waist or calf; these concerns could have been addressed by choosing a larger Capri size for the patient. Complaints about the stocking being hot and heavy, an unfavorable color, too long, and painful were also received. For full-leg coverage and greater versatility, the Capri could also be worn in combination with a below-knee compression stocking.

AVERAGE RATINGS FOR EACH EVALUATED ASPECT

Key:	Excellent	1 - 2
	Good	3 - 4
	Poor	5 - 6

	Comfort Capri™	Compression Stocking
Ease of application	1	3
Ease of removal	1	2
Overall fit	1.7	3
Pain level	1.8	2.2
Comfort when wearing	1.5	3.7
Garments stays in place	1.3	3.8
Overall quality	1.3	1.3



APPENDIX

Frequently Asked Questions

HOW IS THE JUXTA-LITE™ DIFFERENT THAN OTHER INELASTIC COMPRESSION GARMENTS?

The Juxta-Lite™ is made with a thinner Breathe-O-Prene® material and is designed with fewer and wider bands than other inelastic garments. It has a 6 month warranty and is part of the CircAid® Standard Line for the treatment of Venous Disease. The Juxta-Fit™, for example has a one year warranty and is part of the CircAid® Product Line for the treatment of Lymphedema and Venous Disease. Juxta-Lite™ incorporates a limited stretch fabric that provides a small amount of elasticity which may cause the legging to feel less firm compared to other inelastic garments; however, elasticity improves the conformability of the garment to the limb. Also, the Juxta-Lock™ bands can be independently angled to match a leg contour.

SOME OTHER COMPRESSION GARMENTS HAVE A NON-SLIP LINING TO PREVENT SLIDING, WHY DOESN'T THE JUXTA-LITE™?

Most all of those garments use latex as the non-slip material. Many people are allergic to latex and therefore CircAid® is committed to keeping all of its products latex free. In addition to this, many of our patients suffer from poor skin conditions and the use of latex or any abrasive material would be extremely problematic. The Comfort Non-Slip Liner™ is available to help prevent and reduce garment slippage.

WHAT SIZES AND LENGTHS ARE AVAILABLE FOR THE JUXTA-LITE™?

The Juxta-Lite™ comes in standard sizes only, similar to the sizing offered in compression stockings. The sizes range from Small to XXL and come in two different lengths, 28cm and 33cm. For optimal fit, several of the Juxta-Lite™ sizes are available in a "Full Calf" version.

WHY DOES THE JUXTA-LITE™ TAKE THE LENGTH MEASUREMENT FROM THE FLOOR WHILE OTHER PRODUCTS TAKE THE LENGTH FROM THE ANKLE?

The Juxta-Lite™ is the perfect alternative to compression stockings, and as such, we have changed the Juxta-Lite™ sizing model to match that of compression stockings for quick, easy fitting.

CAN I WEAR THE JUXTA-LITE™ DIRECTLY ON MY SKIN?

In most cases yes, because many of our patients have found that the Juxta-Lite™ is so comfortable that they actually prefer to wear it directly on the skin. Many of these people have also noticed reduced slippage when doing so. A footless liner is included and sock liners are also available for order, see page 16.

THE HEEL PORTION OF MY ANKLE-FOOT WRAP HAS POCKETS WHERE THERE IS NO COMPRESSION. IS THIS OK?

The pockets on the sides of the heel are acceptable unless they cause discomfort or fluid build-up in those areas. If this is the case, try combining our Skin-Fold Kit with the Ankle-Foot Wrap to fill in behind the ankle-bone.

IF THE LEGGING FEELS TOO TIGHT WHAT DO I DO?

Re-check the bands with the BPS™ card to assure that it is tightened to the prescribed pressure range. If the bands are adjusted to the appropriate level and the garment still feels too tight, consult your physician about your prescribed pressure range. The Juxta-Lite™ should never hurt. It should feel firm but comfortable. If you experience any pain, remove it and contact your physician immediately.

CAN I CUT BANDS OFF OR CUT DOWN THE JUXTA-LITE™?

No. The Juxta-Lite™ is not designed to be cut or modified in any way except for the foot length and ankle-band which are illustrated in the Directions For Use. Making cuts anywhere else on the garment will void the warranty.

IS THE COMFORT COMPRESSION ANKLET™ COVERED UNDER WARRANTY?

No, the anklet is not covered under warranty. Unless defective upon arrival, the anklet will not be replaced.

HOW MUCH COMPRESSION DOES THE ANKLET GIVE?

The anklet provides the same amount of compression to the foot as a typical 30-40mmHg compression stocking.

WHAT IF I NEED MORE COMPRESSION THAN JUST THE ANKLET?

The anklet provides the same amount of compression to the foot as a typical 30-40mmHg compression stocking and should be sufficient for most patients. However, the PAC™ Band (Power Added Compression™) may be used over the anklet if a additional compression is needed for severe foot conditions..

CAN I PUT THE JUXTA-LITE™ IN THE WASHER?

It is always best to hand wash and drip dry your CircAid® compression garments in order to extend their life. However, it is safe to machine wash your Juxta-Lite™ on a gentle cycle and dry using a low heat setting. If doing so with other clothing, it is also a good idea to put your Juxta-Lite™ into a pillow case in order to prevent the Velcro® from damaging any other clothes and to aid in keeping it free from lint.

Clinical References

¹A RANDOMIZED TRIAL OF CLASS 2 AND CLASS 3 ELASTIC COMPRESSION IN THE PREVENTION OF RECURRENCE OF VENOUS ULCERATION

Two year follow-up results presented American Venous Forum, February 2009 by Dr. D. Milic

In February 2009, Dr. Dragan Milic provided the answer to this question at the American Venous Forum meeting. Dr. Milic reported the two year follow-up results of over 320 venous stasis ulcer patients that were healed with compression bandaging and then were placed in compression stockings that provided A) an average of 25 mmHg compression at the ankle or B) an average of 40 mmHg compression. 1 out of 4 patients that received stockings that provided 25 mmHg had their ulcers come back during the 2 year period. While those who wore 40 mmHg compression stockings reduced the recurrence by 50%.

²JUXTA-LITE™ PROVIDES RELIABLE, REPEATABLE GRADIENT COMPRESSION

Inelastic compression legging produces gradient compression and significantly higher skin surface pressures compared with an elastic compression stocking. Kline CN, Macias BR, Kraus E, Neuschwander TB, Angle N, Bergan J, Hargens AR. Published in *Vascular*, Volume 16, No. 1, 2008

Summary: This study compared skin surface pressures underneath the inelastic CircAid® garment with Built-In Pressure System™ set to 40 mmHg vs. an elastic 30-40mmHg below-knee compression stocking. The CircAid® leggings produced significantly higher skin pressures than elastic leggings at both leg regions ($p < .001$). Mean pressures over all trials using the CircAid® leggings were 47 ± 3 and 35 ± 2 mmHg for ankle and below-knee regions, respectively. Mean pressures using the elastic leggings over all trials were 26 ± 2 and 23 ± 1 mmHg for ankle and below-knee regions, respectively. Only the CircAid® leggings produced a significant reverse-pressure gradient between the knee and the ankle ($p < .05$), whereas the elastic leggings did not.

³INELASTIC COMPRESSION INCREASES THE HEALING RATE OF VENOUS ULCERS COMPARED TO MULTI-LAYERED BANDAGING

Comparison of elastic versus nonelastic compression in bilateral venous ulcers: a randomized trial. Blecken SR, Villavicencio JL, Kao TC. Published in *Journal of Vascular Surgery*, December 2005.

Summary: The completed study comparing 24 extremities shows that at three months, patients wearing the inelastic CircAid® system had significantly faster ulcer healing rates as compared to patients wearing a conventional four layer elastic compression system.

⁴UTILIZING JUXTA-LITE™ CAN REDUCE THE COST OF PATIENT CARE

Comparison of Costs and Healing Rates of Two Forms of Compression in Treating Venous Ulcers. RG DePalma, M.D., RK Spence, M.D., JA Caprini, M.D., MR Nehler, M.D., J. Jensen, D.P.M., MP Goldman, M.D. Published in *Journal of Vascular Surgery*, November 1999 Volume 33 Number 6.

Summary: The total cost of treatment was 38% less with the CircAid® Legging and this difference was statistically significant. Healing rates were 45% faster with CircAid® garment, though this value did not reach statistical significance because of large standard deviations. Presented at the eleventh annual meeting of the American Venous Forum, February 18-21, 1999 Dana Point, CA.

⁵INELASTIC COMPRESSION REDUCES EDEMA MORE THAN ELASTIC COMPRESSION

Inelastic versus elastic leg compression in chronic venous insufficiency: a comparison of limb size and venous hemodynamics. Spence RK, Cahall E. Published in *Journal of Vascular Surgery*, November 1996 Volume 24 Number 5.

Summary: This study compared the ability of 30-40 mmHg below-knee compression stockings to the CircAid® compression garment to reduce and maintain limb circumference and to improve abnormal venous hemodynamics in 10 patients (20 limbs) with Class III CVI, defined by history, air plethysmography (APG) chronic stasis and/or ulceration. APG studies plus ankle/calf measurements were taken on separate days with no compression (B), stockings (S) and the CircAid® garment. Tests were performed at two and six hours after patients had donned new garments. Results were analyzed using non-parametric measures because of sample size.

Conclusions: In this small group of patients, the CircAid® compression garment was superior to stockings in reducing and maintaining limb circumference and venous volume while decreasing reflux and improving hemodynamics in Class III CVI patients. Presented at the 8th Annual Meeting Of The American Venous Forum, February 22-24, 1996 San Diego, CA.

⁶INELASTIC COMPRESSION IS SAFER FOR 24-HOUR USE COMPARED TO ELASTIC STOCKINGS

Intramuscular pressures beneath elastic and inelastic leggings. Murthy G, Ballard RE, Breit GA, Watenpaugh DE, Hargens AR. Published in *Annals of Vascular Surgery*, November 1994 Volume 8 Number 6.

Summary: Alan R. Hargens, Ph.D., physiologist and Space Station Project Scientist, in developing garments to combat the effects of microgravity in space on astronauts, directed two studies. The results of one study have been published in the *Annals of Vascular Surgery*, November 1994, entitled, "Intramuscular Pressures Beneath Elastic and Inelastic Leggings". The studies compared the effects of the inelastic CircAid® Legging and 30-40mmHg elastic stockings on Intramuscular pressures (IMP) in soleus and tibialis muscles taken by catheter inserted pressure transducers. IMPs, which are more relevant to tissue nutrition and venous return than surface or subcutaneous pressures, taken on 10 healthy subjects, were significantly higher with the inelastic legging than with elastic stockings. During recumbency, elastic stockings produced high surface compression. The inelastic legging did not exert such high surface compression, yet effectively generated high IMPs during standing and walking.

⁷COMFORT CAPRI™ PREFERRED OVER THIGH-HIGH ELASTIC COMPRESSION STOCKINGS BY POST VEIN ABLATION PATIENTS

John Mauriello MD, Teresa Kennerknecht, Cardiovascular and Vein Center of Florida. Pilot Study, July 2011

Summary: A pilot study to determine the suitability of the Comfort Capri™ as a compression device following great saphenous vein (GSV) ablation procedures. Comfort Capri™ and thigh-high compression stockings were applied on 7 women who underwent bi-lateral GSV ablation. Each leg was treated individually with a 7-10 day waiting period between procedures. Patients ranged in age of 40 to 65 years and were randomized to wear the Comfort Capri™ or the stocking for the first treatment, then were asked to wear the other garment for comparison following the second treatment. The Comfort Capri™, which covers from below the knee to the waist, and the thigh-high elastic compression stocking were worn for an average of 5 and 4 days, respectively. Evaluated aspects included application, removal, fit, pain level, comfort, adhesiveness, and overall quality. Five of the six patients preferred the Capri over the stocking and the remaining patient did not have a preference. Patients reported that the Comfort Capri™ was easier to apply, was more comfortable, offered a better fit, and stayed in place better than the compression stocking. One patient was excluded from the comparative data as she did not wear both garments, but nevertheless rated the Capri's features as being excellent. This small pilot study suggests a strong trend towards patients preferring the Comfort Capri™ for compression instead of compression stockings after GSV ablation treatment. The Capri received an equal or better rating in all categories, which suggests that patients prefer the Capri as a compression solution over the elastic stocking.

⁸THE JUXTA-LITE™ BUILT-IN PRESSURE SYSTEM™ HELPS PATIENTS WITH MIXED ARTERIAL-VENOUS DISEASE

Compression therapy in mixed ulcers increases venous output and arterial perfusion. Giovanni Mosti, MD, a Maria Letizia Iabichella, MD, a and Hugo Partsch, MD, b Lucca, Italy and Vienna, Austria. Published in *Journal of Vascular Surgery*, January 2012 Volume 55 Number 3.

Summary: This study showed that patients with mixed arterial-venous disease had improved venous pumping function with compression levels applied up to 40mmHg without impeding the arterial perfusion. The Juxta-Lite™ BPS™ system allows the user to adjust compression levels to 20-30mmHg or 30-40mmHg below this level.

Patent Information

⁹JUXTA™ SYSTEM

US Patent 7,329,232 This CircAid® innovation features the Juxta-Lock™ band system of the Juxta-Fit™, Juxta-Lite™, and Juxta-CURES™. Classic compression garment band system designs include straight overlapping bands, interlocking bands, or bands used in a combination with a loop or “D-Ring” to create tension within the garment to apply pressure to the limb. CircAid®’s patented juxtaposed band system, meaning the bands alternate and pass above and below each other, introduced many advantages. Instead of the traditional method of applying one band at a time, the juxtaposed band system allows the patient to apply 2 bands at once resulting in much quicker application. Rather than having to thread a band through an opposing band or D-Ring, or tuck it underneath an opposing band, the juxtaposed bands are effortlessly pulled by each other and secured. The juxtaposed band system also allows the bands to be pulled at an angle to further fine tune the garment’s fit to each patient’s unique limb shape, whereas classic band systems can only be pulled directly across the limb. Finally, if the garment becomes too tight or too loose in any area, the juxtaposed bands can easily be pulled and adjusted as needed compared to traditional overlapping systems that require multiple bands to be removed to access the bands that need readjusting.

¹⁰BUILT-IN PRESSURE SYSTEM™

US Patent 6,338,723 This invention is the foundation of both the CircAid® Built-In Pressure System™(BPS™) and Assured Gradient System. By measuring the amount of stretch in a compression garment wrapped around a limb of known circumference, the pressure applied to the limb can be predicted. The more tension that is applied to the garment, the further it stretches and greater compression is applied to the limb. Furthermore if the same tension is kept throughout the garment for a leg of increasing circumference, then gradient compression is obtained. These principles are incorporated into a patented simple to use system that gives patients and healthcare professionals the confidence they need with their compression therapy.

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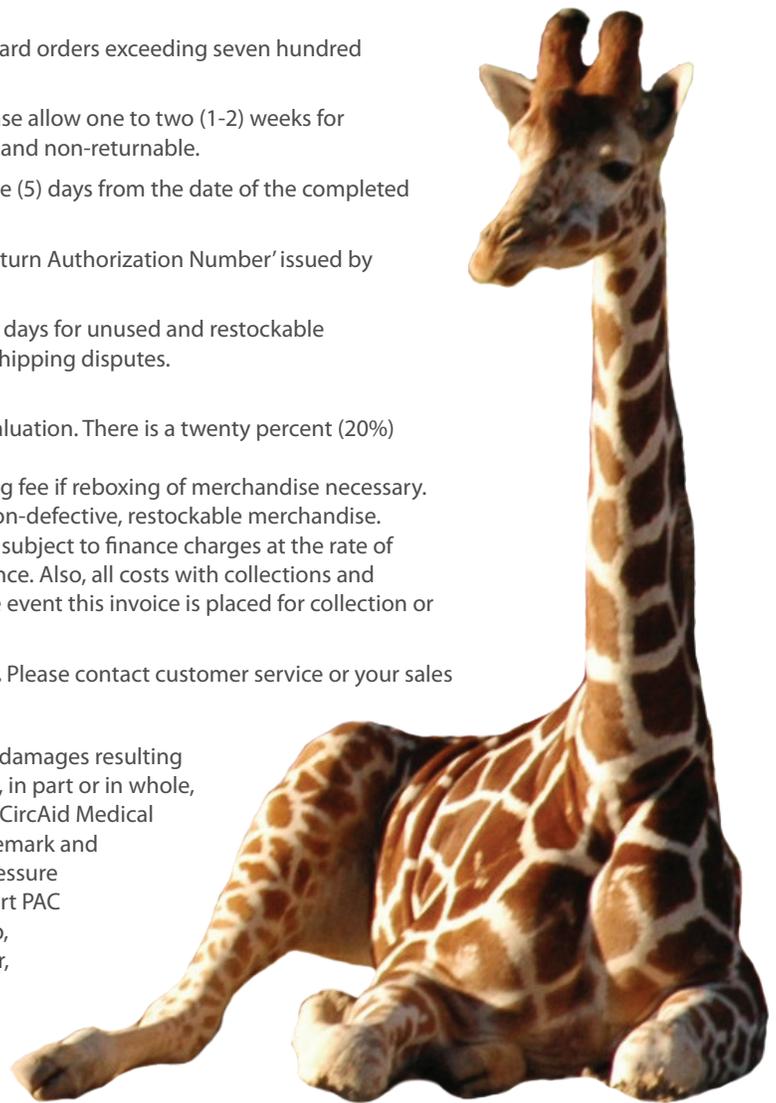
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