



9323 Chesapeake Drive, Ste. B2
San Diego, CA 92123

Toll Free: (800)247-2243
Phone: (858)576-3550
Fax: (858)576-3555
Email: info@circaid.com
Website: www.circaid.com

The CircAid[®] T-3 M[™]

Secondary Dressing That Delivers a Prescribed Pressure, is Non-Elastic, Instantly Adjustable, and Reusable Compression Therapy



The CircAid[®] T-3 M[™] has the only clinically proven Built-in Pressure System that effectively provides a prescribed pressure range and gradient compression as a secondary dressing for the treatment of venous stasis ulcers.

- ◆ Under the care and guidance of a physician or other health care professional, three interlocking bands can be adjusted to provide any one of three prescribed pressure ranges: 20 - 30mmHg, 30 - 40mmHg, or 40 - 50mmHg
- ◆ Faster ulcer healing rates than those seen with other compression systems¹
- ◆ Cost of ulcer treatment is significantly less when compared to the Unna boot²
- ◆ Durable, washable, nylon and neoprene material does not lose its effectiveness – resulting in a long and cost-effective life
- ◆ Easy access to the leg allows for wound assessment and dressing changes

T-3 M Sizing Chart

Length	Size	Ankle	Calf
11" & 13" 28cm & 33cm	Small	7 1/2" - 8 1/2" (19-21.5cm)	10" - 14" (25-35.5cm)
11" & 13" 28cm & 33cm	Medium	8 1/2" - 10 1/2" (21.5-26.5cm)	13" - 17" (33-43cm)
11" & 13" 28cm & 33cm	Large	10" - 12 1/2" (25-32cm)	16" - 20" (40.5-51cm)
13" 33cm	X-Large	12" - 14 1/2" (30.5-37cm)	19" - 23" (48-58.5 cm)

*Physician prescription and supervision required

CircAid[®] is a registered trademark of CircAid Medical Products, Inc., T-3 M and BPS area registered trademark of CircAid Medical Products, Inc. Velcro is a registered trademark of the Velcro companies. Printed in USA. © 3/2007. All rights reserved CircAid Medical Products.

Venous Insufficiency

Abnormalities in venous circulation often lead to ulceration:

- ◆ The increased pressure will stress the walls of the veins and capillaries, forcing fluid, enzymes, white and red blood cells out through the walls into the interstitial spaces
- ◆ This creates a swelling of the tissue and irritation of the skin with resulting tissue death and venous ulceration

The non-elastic compression therapy of the **T-3 M** exerts the counter pressure needed for relieving the stress on the walls of veins and capillaries associated with venous stasis ulcers

- ◆ The exclusive interlocking, non-elastic bands of the **T-3 M** provide one of three prescribed pressure ranges and gradient counterpressure needed to help move fluids and nutrition through the lower extremities
- ◆ The **T-3 M** is easy to put on and adjust so patients wear the **T-3 M** longer and more often
- ◆ The result is improved circulation, faster healing, and more comfortable, independent patients

Secondary Dressing Comparison

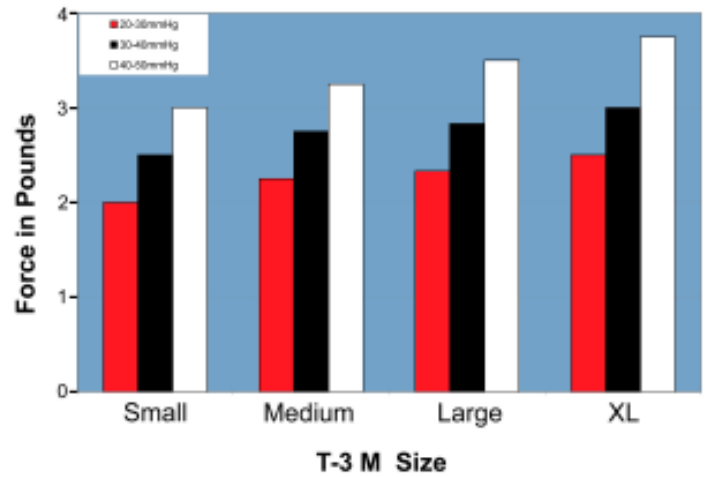
Other non-elastic compression systems (i.e. Unna boot & four-layer wraps) become loose fitting and less effective once the edema is reduced. As a result, pressure is not sustained at the same level. The **T-3 M** uses non-elastic compression and can be adjusted to maintain a pressure range physician-prescribed to any one of three levels: 20 -30mmHg, 30 - 40mmHg, or 40 - 50mmHg.

Elastic compression systems apply similar amounts of pressure regardless of patient position. The non-elastic features of the **T-3 M** provide high working pressure while in an upright position and lower the pressure exerted while resting.

CircAid® T-3 M™ Succeeds Where Other Therapy Fails

	CircAid® Products	Elastic stockings	Unna's boot	Bandaging
Heals ulcers	Yes	Variable	Yes	Yes
Easy to put on	Yes	No	Yes	No
Easy to remove	Yes	No	No	Yes
Comfortable	Yes	Variable	Variable	Variable
Adjustable	Yes	No	No	Yes, with difficulty
Provides graduated pressure	Yes	Variable	Yes, initially	Variable
Provides sustained pressure	Yes	No	No	Yes, if rewrapped
Improves deep vein hemodynamics	Yes	Rarely	Yes, initially	Yes, initially
Provides proper working & resting pressure	Yes	No	Yes, initially	Yes, initially
Can be used with topicals	Yes	Yes, but causes deterioration	Yes	Yes
Compliance	Excellent	Poor	Excellent	Variable
Expense	\$	\$\$	\$\$\$	\$\$\$

Maximum Pulling Force To Achieve T-3 M™ Pressure Ranges



This graph demonstrates the relationships between the prescribed compression ranges and the maximum force at which the bands need to be pulled under each size T-3 M™ to achieve each compression range.

Values shown are for just above the ankle. As you move up the leg, the natural taper will result in decreasing compression for the same amount of force set by using the T-3 M's Built-in Pressure System™, thus automatically creating a gradient of compression.

This graph shows how even on an extra large leg, less than 3 pounds of pulling force is needed to achieve 30-40mmHg at the ankle. This force is roughly equivalent to the weight of lifting 1/3 of a gallon of water.

Clinical Support

◆ Walter Reed Army Medical Center Study

The completed study comparing 24 extremities shows that at three months, patients wearing the non-elastic CircAid system had significantly faster ulcer-healing rates as compared to patients wearing a conventional four layer elastic compression system.¹

◆ CircAid Legging vs. Unna boot

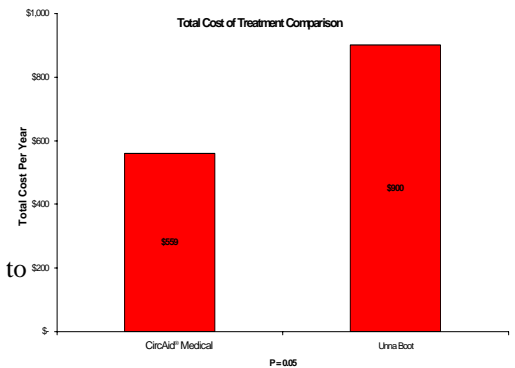
In a multi-center prospective, randomized study, cost and healing rates for treatment of venous ulcers was compared between the **CircAid Legging** and Unna Boot. Total cost of treating the ulcer using the **CircAid Legging** for compression was 38% less than the cost of treatment with Unna boot. Healing rate trends were 45% faster with the **CircAid Legging**.²

◆ The Non-Healing Venous Stasis Ulcer

A clinical study compared 13 patients with 15 chronic venous stasis ulcers, which had failed to respond to compression therapy with Unna boot or elastic hose. The **CircAid** compression system was used as the alternative compression therapy. Within 12 months of wearing the **CircAid** compression system, in conjunction with local wound care, 10 of the 15 ulcers had healed completely (67%), two others were grafted, and the remaining three showed evidence of progressive healing. Overall, 87% of the ulcers showed improvement or were completely healed. After two years, none of the ulcers had recurred with continued use of the **CircAid** products.³

◆ T-3M VS. COMPRESSION STOCKING PRESSURE COMPARISON

Directed by Alan R. Hargens, Ph.D., at UCSD Medical Center, this study compared skin surface pressures underneath the inelastic CircAid T-3 M garment with Built-In Pressure System set to 40-50mmHg vs. an elastic 30-40mmHg below-knee compression stocking. The CircAid T-3 M leggings produced significantly higher skin pressures than elastic leggings at both leg regions (p<.001). **Mean pressures over all trials using the CircAid T-3 M 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 T-3 M leggings produced a significant reverse-pressure gradient between the knee and the ankle (p<.05),** whereas the elastic leggings did not.⁴



¹Villavicencio, J. Leonel M.D.. "Prospective Comparative Trial Between the Conventional Four Layer Elastic Compression Treatment and a Semi-Rigid Orthotic Compression System in Patients with Bilateral Venous Leg Ulcers". Journal of Vascular Surgery. 2005;42(6):1150-1155.

²DePalma, R.G. M.D., et al. "Comparison of Costs and Healing Rates of Two Forms of Compression in Treating Venous Ulcers". Vascular Surgery 33:683-689, 1999.

³Spence, R.K. M.D., et al. "The Non-Healing Venous Stasis Ulcer". 16th Annual World Congress of the International Union of Angiology. Paris. 1992.

⁴Kline, CN; Kraus, E; Macias, BR; Neuschwander, TB; Angle, N; Bergan, J; and Hargens, AR. "Inelastic Compression System Produces a Reverse-Pressure Gradient and Significantly Higher Skin Surface Pressures as Compared to an Elastic Compression Legging". Published in Vascular, Vol. 16, No. 1 2008.