

The Flexitouch® System offers all the benefits of a standard pneumatic compression device, plus a number of advanced clinical features not available in other devices. The Flexitouch system consists of a segmented pneumatic device with calibrated gradient pressure (HCPCS Code E0652) and corresponding adjustable multi-chamber garments for treatment of both the limb and trunk. Treatment of the truncal regions is a critical part of successful lymph drainage.

ADVANCED FEATURES	CLINICAL BENEFITS
<p>Garment design and controller programs provide treatment to truncal lymphatics in addition to the affected limb.</p>	<p>Optimal lymphatic drainage requires truncal treatment even when edema has not spread to the trunk. Truncal decongestion is recognized as a vital component of safe and effective lymphatic drainage.^{1,2,3} The Flexitouch system moves fluid away from congested areas toward healthy lymphatics to “make room” for excess fluid from the affected limb.</p> <ul style="list-style-type: none"> • Lymphedema experts note that when pumps are used, “the ‘body reservoirs’ (i.e., the quadrant of the trunk adjacent to the affected limb, and the two quadrants adjacent to this) should be cleared first” to avoid onset of edema in previously normal regions.⁴ • Compression that stops at the proximal limb increases risk of developing “fibrotic cuff” at the top of the garment, further exacerbating the lymphatic damage. By treating the trunk, the Flexitouch system moves the fluid beyond the damaged areas.
<p>Garments are designed to treat edema in the trunk and chest regions.</p>	<p>Chest and trunk edema requires effective treatment, but few options are available to treat edema in these regions. Flexitouch system chest and trunk garments provide calibrated sequential compression to treat chest, back and trunk edema.</p>
<p>Enhanced controller programming allows focus on fibrotic areas.</p>	<p>The Flexitouch system controller has distinct programs which offer the ability to focus on specific body regions to intensively address fibrotic areas without re-treating entire limb.</p>
<p>Advanced pressure profile optimizes movement of lymph fluid.</p>	<p>Dynamic pressures delivered via gentle stretch and release motion on anchoring lymph capillary filaments stimulate intake of lymphatic fluid while avoiding lymph structure damage.⁵ Pressure delivered in 1-3 second pulsations, consistent with the pulsations of the lymphatic vessels.⁶</p>
<p>Garment design is based on physiology of lymphatic system.</p>	<p>Curved chambers of trunk and chest provide directional pressure to follow lymphatic pathways and redirect fluid past watersheds toward unaffected lymphatic region. Garment chambers are only 1.5” wide, and no two chambers ever fully inflate at the same time. This design provides precise application of pressure in small areas. Optimal size of treatment area application is approximately 3cm to be consistent with physiology of lymphatic system.^{7,8}</p>

References

- 1.) Foldi E, Foldi M, Clodius L. The lymphedema chaos: A lancet. *Ann Plast Surg* 1989; 505-515
- 2.) Cohen SR, Payne DK, Tunkel RS. Lymphedema: Strategies for Management. *Cancer* 2001; 92(4)(Suppl):980-987
- 3.) Casley-Smith JR, Casley-Smith JR. Modern treatment of lymphoedema I. Complex physical therapy: the first 200 Australian limbs. *Australas J Dermatol.* 1992; 33(2):61-8.
- 4.) Casley-Smith JR, Casley Smith JR. Other treatments for lymphoedema. http://www.lymphoedema.org.au/tret_oth.html
- 5.) Harris R. An Introduction to Manual Lymph Drainage: The Vodder Method. *Massage Therapy Journal* 1992; (Winter): 55-68
- 6.) Textbook of Lymphology for Physicians and Lymphedema Therapists. Chapter 17, Section 17.1, p. 496. Foldi E, Foldi E, Kubik S (eds). Munchen, Germany 80033, Urban & Fischer, 2003 (translation by Biotext, LLC, San Francisco, CA)
- 7.) Augustine E. Historical review of external compression for lymphedema management: summary presentation (Rehabilitation Oncology, Combined Sections Meeting, 1998).
- 8.) Casley-Smith JR, Bjorlin MO. Some parameters affecting the removal of oedema by massage – mechanical or manual. *Prog Lymphology* 1985; 10:181-184.



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