

Transforming  
Wound  
Therapy



# WoundExpress™

Advanced Wound Therapy Device

**HUNTLEIGH**  
A MEMBER OF THE ARJO FAMILY

# "Wounds are a common, expensive and frustrating clinical challenge" – Professor Keith Harding

Leg ulcers: the problem



COMMON

Approximately 1% of the western population will suffer from a Venous Leg Ulcer (VLU) during their lifetime.<sup>1</sup>



EXPENSIVE

The direct cost of managing patients with VLUs is \$14.9B per year in the US; translating to approximately \$20K per patient annually.<sup>2</sup>



FRUSTRATING

For patients, the pain, leaking exudate, odor and restricted mobility associated with living with a VLU often leads to depression, anxiety and social isolation. For health care professionals, VLUs present a considerable burden to increasingly stretched financial and staff resources.

WoundExpress™ is an innovative adjunctive therapy for lower limb wounds which can improve healing rates and reduce pain

## Introducing a new concept in wound care therapy

Comprising of a single-patient-use garment and a pump, the WoundExpress™ uses Intermittent Pneumatic Compression (IPC) to increase blood flow around the leg ulcer.

Unlike all other VLU compression therapies, the 3 chamber garment is easily applied by the patient to the thigh of the ulcerated limb, away from the wound site, and is used for only 2 hours per day as an adjunct to standard treatment.

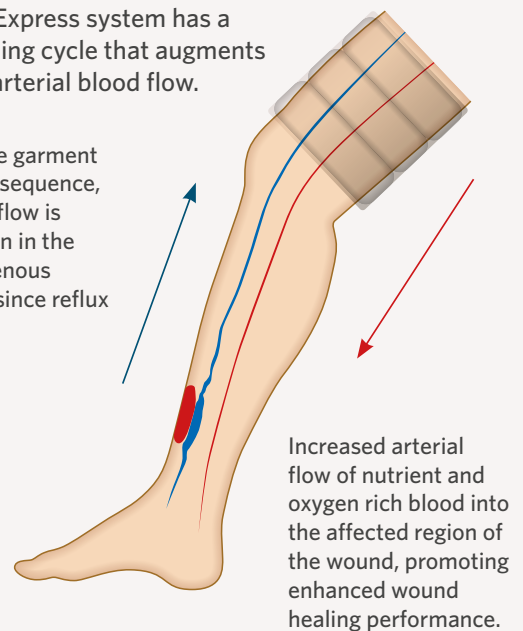
- Provides therapy away from wound increasing comfort and compliance.
- Can be used at home by the patient without need for nurse support.
- Shown to accelerate wound healing and to significantly lower pain levels.



## How does it work?

The Wound Express system has a patented timing cycle that augments venous and arterial blood flow.

By inflating the garment in this special sequence, venous blood flow is increased, even in the presence of venous insufficiency, since reflux is prevented.



### Various garment sizes available:

Standard	Size Range 43 - 77cm (17 - 28 inches)
Large	Size Range 50 - 80cm (20 - 31 inches)
Extra Large	Size Range 60 - 90cm (24 - 35 inches)

# WoundExpress™

Clinical studies have demonstrated improved healing rates and pain reduction after WoundExpress therapy was added to standard care.<sup>3-4</sup>

Improved Healing Rates and Resource Savings via:

- Reductions in wound dressings used
- Reductions in nurse time

A cost effectiveness analysis of using WoundExpress™ showed:

- It increased the probability of healing by 58% over standard care
- It increased health related quality of life

Improved healing<sup>3-4</sup>

Pain Reduction<sup>3-4</sup>



Cost reduction<sup>5</sup>

Used for only 2 hours per day

## Clinical evidence<sup>3</sup> published from 11 wound treatment centers across the UK and Europe shows:

# 93%

Of ulcers improved within a 16 week period of WoundExpress™ treatment.

# 33%

Of patients achieved complete healing.

# 60%

Progressed towards healing with a mean surface area reduction of 56%, despite being unhealed for a mean duration of over 4 years prior to WoundExpress™ treatment.

# 94%

Of patients reported pain reduction following WoundExpress™ treatment.

"Patients suffering from venous leg ulcers have disorders of both venous and lymphatic systems. The astute clinician addresses both disorders. Ignoring the lymphatic component ignores half the problem."

Dr. Thomas Serena





## Case Study

HISTORY – 87 year old female with 5 month history of venous leg ulcer with rapid deterioration. Unable to tolerate static compression therapy due to pain – hence she was receiving light static compression only.



Week 0 – 252 cm<sup>2</sup>  
(circumferential wound)



Week 6 – after addition of  
WoundExpress therapy - 91.3 cm<sup>2</sup>



Week 16 – after addition of  
WoundExpress therapy - Healed



## Technical

Technical Specifications			
Model	WoundExpress™ Therapy Device		
Pump Part Number	WE100P		
Garment Part Numbers	Standard: WE100G	Large: WE100GL	Extra Large: WE100GLX
HCPC Codes	Pump: E0651	Garment: E0669	
Pressure Range	60 mmHg ± 5mmHg		
Supply Voltage	120v		
Supply Frequency	60Hz		
Pump Fuse Rating	F1000mAH		
Power Input	14 VA		
Case Material	Fire Retardant ABS Plastic		
Size	270 x 130 x 150 mm (10.6 x 5.1 x 5.9")		
Weight	2.5 kg (5.5 lb)		
Standards Compliance:	IEC 60601-1:2005 + A1:2012, IEC 60601-1-2: 2014, IEC 60601-1-11:20105, IEC62366:2015, BS EN 980:2008, ISO 14971:2007, ISO 10993-1:2018, IEC 62366-1:2015.		

References: 1. O'Meara et al (2012). Compression for venous leg ulcers. Cochrane Database of Systematic Reviews 2012, Issue 11. Ref 2. Rice, J. B., Desai, U., Cummings, A. K. G., Birnbaum, H. G., Skornicki, M., & Parsons, N. (2014). Burden of venous leg ulcers in the United States. Journal of medical economics, 17(5), 347-356. Ref 3. Davies and Dunn (2021). Thigh administered IPC for the treatment of lower limb ulcers. J Community Nurs 35(2): 44, 46-48. Ref 4. Naik et al. (2019). A prospective pilot study of thigh-administered intermittent pneumatic compression in the management of hard-to-heal lower limb venous and mixed aetiology ulcers. International Wound Journal, Aug 2019; 16(4): 940-945. Ref 5. Guest et al (2021). Cost-effectiveness of using intermittent pneumatic compression to manage hard-to-heal venous leg ulcers in the UK. Journal of Wound Care., vol 30(7): 544-552

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