

hydroven[®] I2

12 Chamber Intermittent
Pneumatic Compression System

HUNTLEIGH



...performance for life

A legacy you can trust

Huntleigh has been innovating and developing products that assist in the management and treatment of Vascular and Lymphatic conditions for over 30 years. Linking this experience to products such as our world class hand held Dopplers and assessment systems, Huntleigh are uniquely positioned to offer clinicians comprehensive solutions for the holistic assessment and treatment of vascular conditions.



Lymph Assist™

Designed for patients compliance and comfort

The Problem

Disruption of the Lymphatic system has severe and sometimes debilitating implications for the patient. Lymphoedema has no cure but can be successfully managed when diagnosed and treated¹.

The Solution

hydroven[®] 12 with its unique LymphAssist™ mode is an advanced Intermittent Pneumatic Compression system (IPC) which has been designed to offer both clinicians and patients an effective treatment option to manage Lymphoedema.

Developed in conjunction with Manual Lymphatic Drainage (MLD) therapists, Lymphoedema specialists and Tissue Viability nurses, **hydroven[®] 12** delivers a gentle and effective treatment for your patients.

In addition to the management of Lymphatic conditions, **hydroven[®] 12** is effective in the treatment of the following conditions when combined with an individualised monitoring program.

- Acute and chronic wound management.
- Chronic venous insufficiency.
- Oedema management.

Choice of three automatic treatment profiles

The **hydroven[®] 12** system comprises an intelligent pump and a range of multi chamber arm or leg garments capable of delivering three types of treatment options.

LymphAssist™ Therapy – Exclusive to Hydroven

The unique LymphAssist™ mode replicates the basic principles of Manual Lymph Drainage (MLD). The automatic pressure and multi chamber sequencing helps to promote efficient fluid transfer through the patient's lymphatic system.

This gentle 'directional' rhythmic massaging stimulates the lymphatic vessels encouraging them to transport proteins and waste products away from affected areas.

Graduated Sequential Therapy

The graduated sequential therapy provides a controlled pressure differential between adjacent chambers in each garment. This therapy helps restore the natural hydrostatic balance of the limb being treated.

Wave Therapy

Wave therapy produces a gentle peristaltic cycle for those patients who may be unable to tolerate graduated sequential compression.

The flexibility of this 'three in one' approach provides clinicians with the confidence that the treatment can be tailored to suit the clinical indications and patient's requirements. Each profile allows clinicians to optimise pressure settings and treatment times to deliver the most effective treatment for managing vascular conditions.

NEW Flexi Hose

The NEW flexi-hose allows the patient to be positioned comfortably without compromising access to system controls or indicators. The easy clean and anti-kink hose assists efficient system set up.

NEW graphical control panel

The NEW graphical control panel incorporating high visibility LED displays separates the main system controls.

Garment pressure and mode is displayed on the upper display, whilst the timing and cycle information is displayed on the lower display. This efficient layout keeps both user and clinician informed of the treatment cycle.



NEW 12 Chamber Garment insert



NEW graphical control panel

Single or bi-lateral assessment

Single or bi-lateral assessment is possible by simply connecting two garments to the **hydroven[®] 12** system. A simple polarised push fit allows safe and accurate garment connection.

Garments and inserts

Unlike single chamber garments which can move fluid in both directions, the comfortable 12 chamber garments in conjunction with the customised treatment profiles moves fluid away from the affected areas.

Inserts can be used to accommodate larger limbs, the overlapping chambers under the 'zip in' insert provide total circumferential compression which assists with the effective transport of fluid.

Anti-tamper and lock facility

The pressure, cycle time and treatment options are protected by a lock feature which prevents accidental adjustment of the treatment profile and is ideal for homecare applications.

Specification

hydroven [®] 12 Intermittent Pneumatic Compression System	
Order code	3160XX
Supply voltage	Determined by country variant (100 VAC – 220VAC)
Supply frequency	50 – 60 Hz
Power input	38 – 77 VA
Degree of protection against electric shock	Class II, double insulated Type BF
Degree of protection against liquid ingress	IPX0 – no protection
Mode of operation	Continuous
Size	290mm x 250mm x 130mm (10.6 x 5.5 x 5.5")
Weight	3.8Kg (5.5lbs)
Pressure Range	LymphAssist 15 – 40 mmHg
	Sequential 15 - 120 mmHg
	Wave 15 – 100 mmHg
	All +/-5%
Cycle times	Inflation 30 - 95 sec in 5 sec increments
	Deflation - 10 - 95 sec in 5 sec increments
	Treatment time - 10 - 99 minutes or continuous
Treatment Modes	LymphAssist, Gradient sequential and Wave

hydroven [®] 12 Garments		
Order Code	Description	Size
12 Chamber Leg Garments		
316L76S	Leg garment standard width	760mm (30")
316L84S	Leg garment standard width	840mm (33")
316L76W	Leg garment large width	760mm (30")
316L84W	Leg garment large width	840mm (33")
12 Chamber Arm Garments		
316A68	Arm garment	680mm (26.75")
316A78	Arm garment	780mm (30.6")
12 Chamber Leg Inserts		
316LI76	Leg insert	760mm (30")
316LI84	Leg insert	840mm (33")
12 Chamber Arm Inserts		
316AI68	Arm insert	680mm (26.75")
316AI78	Arm insert	780mm (30.6")

Clinical evidence - Intermittent Pneumatic Compression (IPC) and Manual Lymph Drainage provides a synergistic enhancement of the effect of Complex Decongestive Physiotherapy (CPD).

IPC can be used safely and effectively for the treatment of patients with breast carcinoma associated Lymphoedema. The ease of application of IPC as a long term therapeutic intervention suggest that it may warrant more widespread use in this patient population. The therapy is well tolerated and remarkably free from complications².



References

- 1 National Lymphedema Network. Position statement of the National Lymphedema network – updated Feb, 2011.
- 2 Szuba A et al (2002). Decongestive lymphatic therapy for patients with breast carcinoma associated Lymphoedema. Cancer; 95 (11): 2260-2266

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