

# hydroven<sup>®</sup>

Intermittent Pneumatic Compression  
(IPC) Garments

# HUNTLEIGH

Designed for patient comfort,  
durability and performance



*...performance for life*

# Design and Construction

## For comfort, durability and performance

*“Venous Leg Ulcers, Oedema and Congestion in arms and legs are a common problem amongst the population today, in the vast majority of cases; innovative Intermittent Pneumatic Compression systems help practitioners deliver a positive outcome”*

To help overcome these challenges we offer a range of ‘patient friendly’ garments supporting the management and treatment of vascular and lymphatic conditions.

All **hydroven®** garments are uniquely designed to provide effective treatment whilst at the same time delivering maximum benefit and comfort for the patient. The ‘technology’ designed into each of our garments ensures that both the patient and outcome remain central to the particular application.

### How do hydroven® compression garments work?

Each garment creates an environment which stimulates the patients’ damaged or failing vascular system by evenly distributing an external pressure around the area being treated.

Unlike many low cost offerings which cannot maintain a calibrated pressure, the unique construction of **hydroven®** garments deliver a consistent and calibrated inward pressure to the point where it’s needed around the entire limb.

### Specialist garments for specialist applications

Whilst there are a number of visible differences between the **hydroven®** 1, 3 and 12 chamber garments, technology, innovation and practicality is designed into each group. The single chamber uniform garments and three chamber graduated garments target wound care and oedema management, whilst the twelve chamber garments addresses the complexities of Lymphoedema and Lymphatic conditions.



Consistent Inward Pressure

#### Single Chamber



**hydroven® 1**  
Uniform Pressure

#### Three Chamber



**hydroven® 3**  
Graduated Sequential Pressure

#### Twelve Chamber



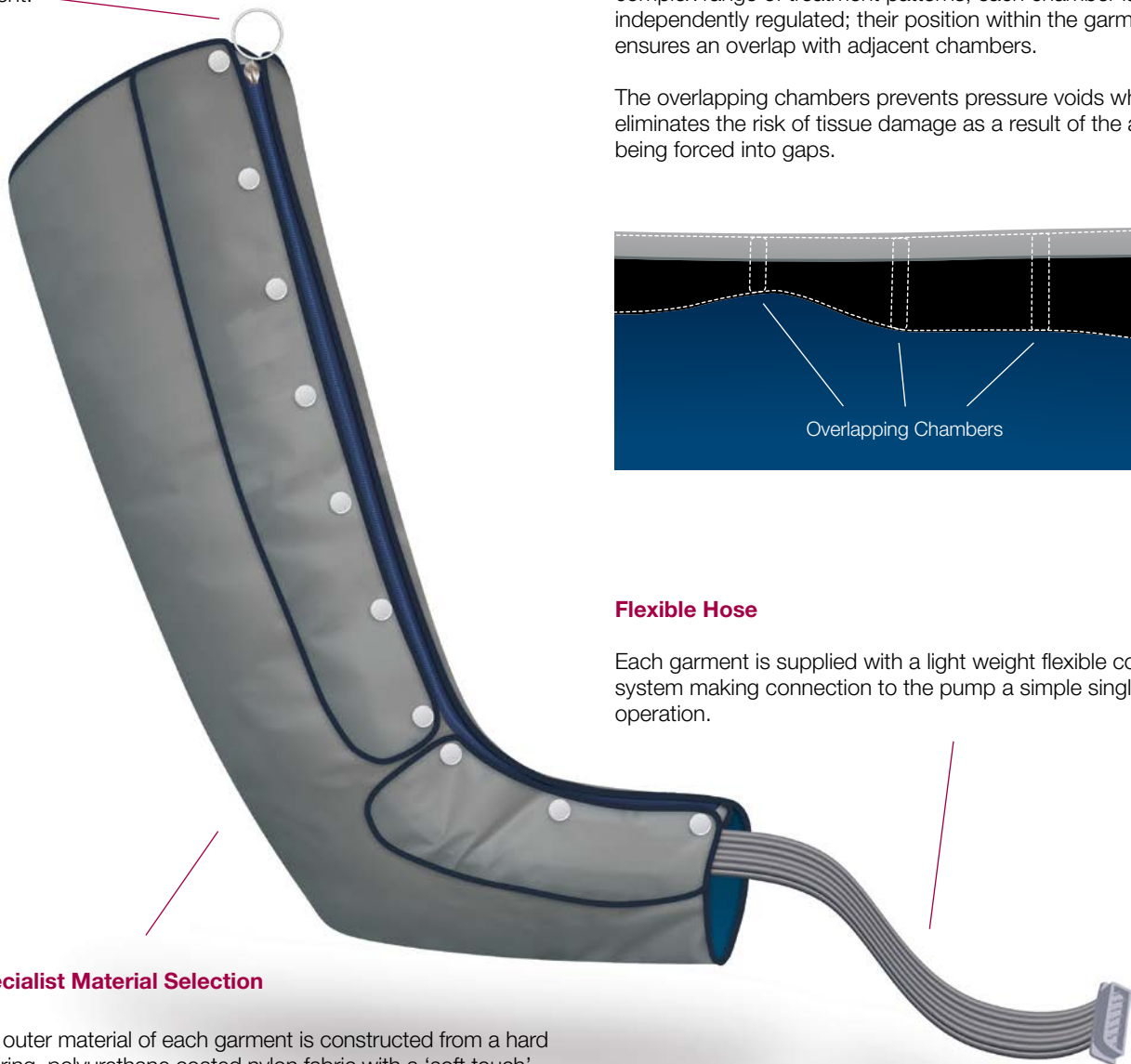
**hydroven® 12**  
Sequential, Wave and LymphAssist

# Why choose hydroven?

## Feature rich qualities

### Easy Application

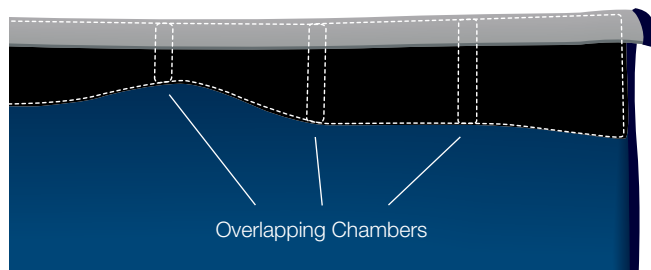
A large pull ring and easy zipper fastening helps with garment fitment.



### Anti Ridging Chamber Design

The twelve chamber garments are designed to deliver a complex range of treatment patterns; each chamber is independently regulated; their position within the garment ensures an overlap with adjacent chambers.

The overlapping chambers prevents pressure voids which eliminates the risk of tissue damage as a result of the area being forced into gaps.



### Flexible Hose

Each garment is supplied with a light weight flexible connection system making connection to the pump a simple single handed operation.

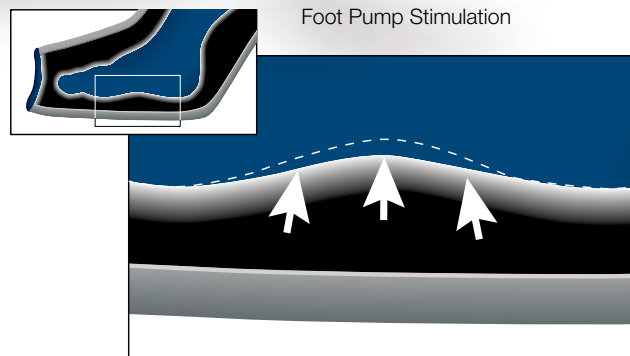
### Specialist Material Selection

The outer material of each garment is constructed from a hard wearing polyurethane coated nylon fabric with a 'soft touch' friction resistant inner lining. All garments are latex free.

### Unique Foot Section

The foot section of each **hydroven** garment has a unique feature which fits comfortably into the plantar arch. This area plays a pivotal role in stimulating venous return.

This simple yet effective detail replicates the action of the foot pump, encouraging arterial re-filling which in turn oxygenates the surrounding tissue.



# Why choose hydroven?

## Feature rich qualities

### Comfortable and Durable Design

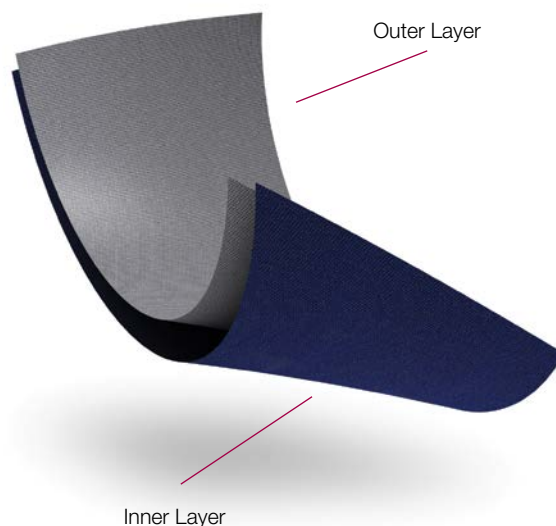
Unlike many competitive products which use PVC as the main component, **hydroven** garments offer patients a unique set of properties.

The material selection delivers a combination of durability, high wear resistance and high levels of breathability.

The permeability of the inner layer minimises the build up of perspiration through natural 'wicking'

This helps eliminate the risk of skin breakdown and maintains a healthy localised area.

These properties are an ideal choice particularly where pressure distribution and comfort are key factors.



### Active Inserts

A simple zip in insert allows the garment to be expanded to accommodate larger limbs.

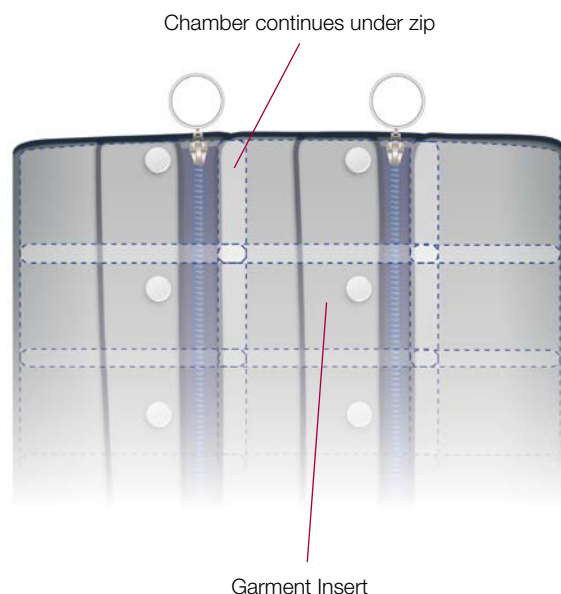
Unlike other manufacturers' garments which are passive, **hydroven** inserts are active and inflate to maintain total circumferential pressure even under the zipper area.

### Garment liners

Infection control barrier sleeves are available for arms and legs in wound care applications.

### Quality Assurance

**hydroven** garments are produced in compliance with the Company's Quality Management System BS EN ISO 13485 and MDD 93/42/EEC ensuring conformity and consistency. Garments have been put through a series of tests to ensure they hold up to our demanding high standards.



## HUNTLEIGH *...performance for life*

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