

ARJOHUNTLEIGH

GETINGE GROUP

**FLOWTRON
HYDROVEN 12**

IPC THERAPY SYSTEM



...with people in mind

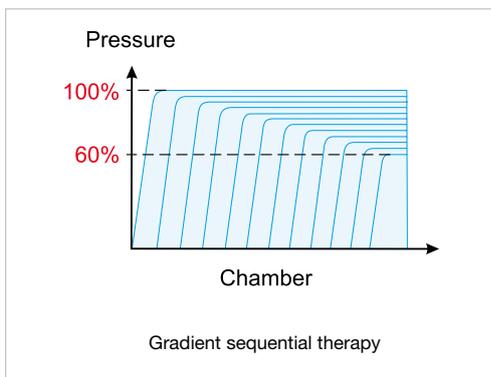
IPC FOR VENOUS AND LYMPHATIC CONDITIONS

The *Flowtron hydroven™ 12* system is the ultimate, dynamic intermittent pneumatic compression (IPC) system designed for use with 12 chamber arm or leg garments. State of the art ArjoHuntleigh technology means you can be assured of exceptional levels of performance in combination with outstanding reliability – the *Flowtron hydroven 12* system will deliver gentle yet effective compression every time.



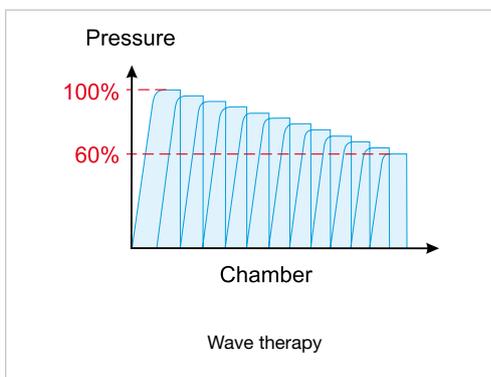
Designed in consultation with Manual Lymphatic Drainage (MLD) therapists, lymphoedema specialists and tissue viability nurses, the *Flowtron hydroven 12* system offers a choice of different treatment options in one easy-to-use device. Its innovative treatment options set a new standard in 12 chamber IPC systems for the treatment of venous and lymphatic conditions. For the first time, treatment options may be combined to provide optimal therapy conditions tailored to meet individual patients' needs.

The Flowtron hydroven 12 system offers the following treatment options:



Gradient sequential therapy

An intensive and effective therapy whereby each cell inflates in sequence and remains inflated until the air is released from each cell simultaneously. A 60% pressure gradient helps restore the natural hydrostatic balance of the limb ensuring maximum comfort and outstanding results.



Wave therapy

A more gentle peristaltic cycle with a 60% pressure gradient. When the first chamber is fully inflated to the correct pressure, the second chamber starts to inflate. Then as the second chamber is inflated to the aspired pressure, the first chamber is deflated. This sequence continues for all 12 chambers. This pattern of inflation continues in a distal to proximal direction. The wave therapy is ideal for those patients who cannot tolerate gradient sequential compression or when there is focal discomfort.

LymphAssist® therapy

A unique patented inflation and deflation sequence, designed according to the principles of MLD, which aims to help clear the proximal lymphatics to assist lymph flow in the affected limb. By mimicking the sequence of pressures applied in MLD in a proximal to distal direction, progressively down the limb, the unique *LymphAssist* therapy helps promote efficient fluid transfer through the lymphatic system.

FEATURES

“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 suggests that it may warrant more widespread use in this patient population. The therapy is well tolerated and remarkably free of complications”¹

Designed with the patient and clinician in mind, the *Flowtron hydroven 12* pump has the following features:

- A choice of pressure and cycle times to tailor therapy to individual patients' needs
- A timer facility to automatically switch off therapy without the need for intervention plus an override continuous run feature
- User-friendly control panel with an LED to clearly display system settings
- Facility to use single or dual garments from a single pump
- Anti-tamper pressure, cycle time and treatment option lock feature to allow settings to be locked for safe and effective treatment of limbs
- Polarised push on connectors for safe and accurate garment connection
- Visual and audible alarm facility to ensure correct pressures are delivered to the patients' limb with minimal disruption to the patient
- Ergonomically designed casing made from strong impact resistant plastic to make the pump ideal for use in the busy clinic or at home
- Sleep mode power saving feature
- Anti-slip feet especially angled for easy viewing of the system control panel for table top or trolley use

Hydroven® 12 garments and insert pieces

Technically advanced in design, the *hydroven 12* chamber arm and leg garments are available in a number of lengths and widths to fit a variety of limb sizes. With exceptional standards of comfort and concordance, *hydroven 12* garments offer the following features:

- Overlapping chambers provide seamless compression avoiding the problems of ridging and pressure voids on the limb
- Unique five chamber foot section provides fine compression to promote blood and lymph movement in the vulnerable foot area
- Overlapping chambers under the zip section of garments and insert pieces allow true circumferential compression for massaging all contours of the limb
- Unique 12 chamber *hydroven 12* insert pieces inflate in harmony with the 12 chamber garment and allow the system to provide effective dynamic compression to larger limbs
- Easy clean, anti-kink tubing for fast and convenient system set up

1. Szuba A, Achalu R & Rockson S (2002). Decongestive lymphatic therapy for patients with breast carcinoma-associated lymphoedema. *Cancer*; 95 (11): 2260-2266



PRODUCT SPECIFICATIONS

Flowtron hydroven 12 / Pump Specification	
Order Code	316001
Power	220 - 240V AC 50Hz
Size	290 x 250 x 130 mm (10 ² / ₃ x 5 ¹ / ₂ x 5 ¹ / ₂ "
Weight	3.8 kg (5.5 lbs)
Pressure Range	15 – 120 mmHg
Cycle Time	Inflation 30–95 seconds in 5 second increments Deflation 10–95 seconds in 5 second increments
Treatment time	10 – 99 minutes or continuous
Treatment modes	Gradient sequential; Wave; LymphAssist

Ordering Information		
Code	Product Description	Length
316L76S	hydroven 12 leg garment (standard width)	760 mm (30")
316L84S	hydroven 12 leg garment (standard width)	840 mm (33")
316L76W	hydroven 12 leg garment (large width)	760 mm (30")
316L84W	hydroven 12 leg garment (large width)	840 mm (33")
316A68	hydroven 12 arm garment	680 mm (26 ³ / ₄ ")
316A78	hydroven 12 arm garment	780 mm (30 ² / ₃ ")
316LI76	hydroven 12 leg insert piece	760 mm (30")
316LI84	hydroven 12 leg insert piece	840 mm (33")
316AI68	hydroven 12 arm insert piece	680 mm (26 ³ / ₄ ")
316AI78	hydroven 12 arm insert piece	780 mm (30 ² / ₃ ")

Only ArjoHuntleigh designed parts, which are designed specifically for the purpose, should be used on the equipment and products supplied by ArjoHuntleigh.
As our policy is one of continuous development we reserve the right to modify designs and specifications without prior notice.

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