

Flowtron ACS900

Active Compression System

ARJOHUNTLEIGH
GETINGE GROUP



Uniform & Sequential
VTE prevention in
ONE convenient system

...with people in mind



By simulating the natural action of the ambulatory calf and/or foot pumps, intermittent pneumatic compression (IPC) moves the blood in the deep veins of the leg, reducing the risk of Deep Vein Thrombosis (DVT) formation in hospitalised patients with reduced mobility, including those identified with high Venous Thromboembolism² (VTE) or bleeding risk^{2,3}.

Flowtron® ACS900 Active Compression System delivers a simple, easy-to-use method of circulating blood in the deep veins of the legs, reducing venous stasis and helping to prevent the formation of DVT.

One convenient system for **Active Compression Therapy**

Both uniform and sequential Intermittent Pneumatic Compression (IPC) are proven to help prevent VTE³ when used as part of a prescribed care pathway.

The *Flowtron* ACS900 Active Compression System, delivers IPC in both uniform and sequential modalities from one simple, easy-to-use pump, providing convenience and choice.





Convenience of a single pump

The convenience of a single pump for all active compression therapy benefits asset management by reducing costs of maintaining and stocking multiple pumps and garments. Standardisation also facilitates consistency in delivery of training and ongoing support.

Fixed tubesets – ready for therapy

Fixed tubesets ensure that the *Flowtron* ACS900 Active Compression System is ready to deliver therapy at all times, reducing the cost and inconvenience of replacing tubesets.

Unique tubeset Management System

The integrated tubeset and cable management system, including flexible tube clips for extra security and convenience, reduces tubing and power cord management issues in the clinical environment.

With the stable pump base, the integrated tubeset facilitates the transportation of pumps from storage areas to the clinical environment.

Distinctive single tube design

The tube design of the *Flowtron* ACS900 Active Compression System allows for both uniform and sequential therapies to be delivered from the same pump and tubeset providing choice and convenience.



Patented Smartsense™ Automatic Garment Recognition

Instantly recognises which garment is connected to the pump and adjusts the compression cycle accordingly without any additional user intervention.

A combination of different garments, such as foot and calf can be used at the same time, providing convenience and choice for both the patient and caregiver. Easy to use, it ensures correct delivery of active compression therapy at all times.

Unique Snap Lock tubeset connectors

Ensures a secure connection with all *Flowtron* garments preventing accidental disconnection and interruption during patient active compression therapy

Tubeset identification reducing troubleshooting time

The identifier on each tubeset connector on the *Flowtron* ACS900 Active Compression System pump, indicates which tube and garment has generated an alarm condition.





Compact and easy to use,
delivering the right therapy at all times

Large LCD screen to view and manage therapy status

The large LCD screen provides a clear indication of therapy status at all times. The screen is easy to read with internationally recognised ICON based symbols providing clear and concise information to the user.

Patient Run Hours Meter - view therapy hours at a glance

Enables the clinician to monitor the length of time the *Flowtron* ACS900 Active Compression System has delivered compression.

Real-time Pressure indication

Real time pressure being delivered to the garment is displayed in a large easy to read display, providing confirmation that the pump is delivering the expected compression at all times.



Positive pressure start / stop button

The *Flowtron ACS900 Active Compression System* pump requires a positive press on the start /stop button to commence or discontinue therapy.

The positive action ensures that therapy is not suspended or discontinued by accident.

Large, LED display to ensure the system is active

Large green LED lights, visible from all angles, contour the edges of the *Flowtron ACS900 Active Compression System* pump to provide a clear visual confirmation that the pump is active and compression is being delivered. Visual alarm status is indicated by a change in LED from green to yellow.



The LED on the underside of the pump* provides a clear indication of pump status when the top of the pump is not visible - for example under theatre drapes in the operating room.

*Patent pending.



Integrated carry handle

The integrated carry handle on the pump is fixed, robust and easy to access at all times to aid movement and transportation.

Integrated battery – uninterrupted therapy

An integrated battery as standard ensures the continuation of compression when an AC power source is not available providing uninterrupted therapy when the patient is in transfer or when a mains power supply is not available.

Discover more comfort

An extensive range of comfortable garments

The *Flowtron* ACS900 Active Compression System delivers uniform and sequential compression from a broad range of *Flowtron* Calf, Calf & Thigh, Bariatric and Foot garments delivering comfortable active compression therapy.



Excellent moisture management properties⁴

International standard testing *Flowtron* Uniform and Sequential Compression garment properties, have been tested at an accredited, independent laboratory to assess heat, air and water vapour characteristics following internationally recognised test standards⁴.

The results demonstrate that overall, the *Flowtron* Uniform and Sequential garments have been shown to be:

Non thermal in nature with excellent moisture management properties⁴.

These are key factors which contribute to patient comfort and subsequent compliance with IPC therapy⁵.



The Convenient choice

Flowtron ACS900 Active Compression System

APPLY



- 1. Simply apply**
Selected garment(s) to patient.

CONNECT



- 2. Connect garment(s) to pump**
Smartsense Auto Garment Recognition does the rest.

START



- 3. Start Therapy**
Simple one button press to start effective active compression.

Convenient for user

Easy to use, reduces time at set up, easy to monitor, easy to trouble shoot

Convenient for purchaser

One system – aids asset management – reduces need for multiple pump types – reduces inventory

Convenient for the patient

Comfortable garments, less tubing around bed/chair space



Comfortable

- Enhanced performance in independent breathability study⁴
- Lightweight garments which are non-thermal in nature⁴
- Excellent moisture management properties⁴



Convenient

- One system for all IPC therapy requirements
- Extensive range of garments with fully Automatic Garment Recognition
- One button start-up feature for ease of use



Clinically Effective

- IPC is proven to be clinically effective and is supported by independent blood flow, usability⁵ and clinical outcome studies⁶
- Alternative therapy for patients at high risk of bleeding³
- Integrated Patient Run Hours Meter to aid concordance

Specification	
Model	Flowtron® ACS900 Active Compression System
Compression	Uniform, Sequential, Foot
Variants	Standard tube sets 2.1m (7ft) Longer tube set 3.9m (13ft)

Further specifications can be found in
Instruction For Use (IFU) 526933EN

Order code	Type	Size	Therapy
DVT10*	Standard Calf Garment	Up to 43cm (17")	Uniform
DVT20	Large Calf Garment	Up to 58cm (23")	Uniform
DVT30*	Standard Calf & Thigh Garment	Up to 71cm (28")	Uniform
DVT40	Large Calf & Thigh	Up to 89cm (35")	Uniform
DVT60L	Bariatric Calf Garment	Up to 81cm (32")	Uniform
TRP10	Regular Calf Garment	Up to 43cm (17")	Sequential
TRP20	Large Calf Garment	Up to 58cm (23")	Sequential
TRP30	Regular Thigh Garment	Up to 71cm (28")	Sequential
TRP40	Large Calf & Thigh Garment	Up to 89cm (35")	Sequential
TRP 60L	Bariatric Calf Garment	Up to 81cm (32")	Sequential
FG100*	Regular Foot	UK Men/Women up to size 7 US Women up to size 9 US Men up to size 7 EURO up to size 40	Uniform
FG200*	Large Foot	UK Men/Women size 7½ or above US Women size 9½ or above US Men size 7½ or above EURO size 41 or above	Uniform


*Sterile options are available. Check with your local ArjoHuntleigh representatives for availability.

1. Cohen AT, Tapson VF, Bergman J-F et al. Venous thromboembolism and prophylaxis in the acute hospital setting (ENDORSE study): A multinational cross-sectional study. Lancet. 2008; 371: 387-394.
2. Ho KM(2014). Benefit of intermittent pneumatic compression of lower limbs in reducing venous thromboembolism in hospitalised patients: interactions between risk and effectiveness. Anaesth Intensive Care.;42(1):140-1
3. Guyatt G, Akl E, Crowther M et al (2012). Executive summary: antithrombotic therapy and prevention of thrombosis, 9th ed: American College of Chest Physicians Evidence Based Clinical Practice Guidelines. Chest, 141:7S-47S
4. ArjoHuntleigh Data on File
5. ECRI (2009). Intermittent pneumatic compression therapy. Health Devices, April: 120-123.
6. Flowtron Clinical Evidence Brochure Issue 4 (2010)

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