

# FLOWTRON UNIVERSAL

Non-invasive, mechanical  
DVT prophylaxis system

# ARJOHUNTLEIGH



...with people in mind

# IPC FOR DVT PROPHYLAXIS

Designed with flexibility and simplicity in mind, the *Flowtron® Universal* Intermittent Pneumatic Compression System provides clinically effective, non-invasive mechanical compression for the prophylaxis of Deep Vein Thrombosis (DVT).

Its simple three-in-one design provides the clinician with a choice of foot, calf or thigh compression from a single pump. By providing compression to a limb, the Flowtron Universal System helps prevent thrombus formation by increasing blood velocity in the deep veins, reducing stasis<sup>1</sup> and stimulating fibrinolysis<sup>2</sup> – the body's natural method of preventing and breaking down clots.

Intermittent Pneumatic Compression (IPC) has additional clinical benefits and has been shown to reduce oedema and post operative pain, enhance circulation, assist in wound healing, provide a drier post-operative field and reduce wound haematoma.<sup>3,4</sup>

## Intelligent prevention of DVT

- Unique *SmartSense™* Garment Recognition System allows the pump to automatically identify the type of garments attached and adjusts the therapy cycle accordingly, ensuring optimal prophylaxis is achieved every time
- State of the art pump technology recognises when one garment only has been attached and allows for single garment use
- Intelligent audio and visual alarm facility identifies true alarm conditions and minimises disruption to the patient and carer
- Continuous real-time monitoring ensures the system delivers optimal therapy conditions even with variations in set up, garment application and patient movement



The *Flowtron Universal* System's simple three-in-one design provides the clinician with a choice of foot, calf or thigh compression from a single pump



Integral anti-kink tubing



Clear and informative LCD display



200° visible power and alarm indicators

### Simple to use system

- Straight forward, simple to use pump design and automatic setting of controls reduces nurse training time and ensures trouble-free use
- 200° visible power and alarm indicators and readily identifiable garments allow for quick checking and ensure compliance with the patient's prescribed method of DVT prophylaxis
- Integral anti-kink tubing means practical application of the system is quick and set up is easy
- Clear and informative LCD display provides instant feedback to the user and allows fast and complication-free troubleshooting

### Flexibility to meet your therapy needs

- A full range of universal fit garments is available offering the flexibility of foot, calf or thigh compression from a single pump, reducing set up time and assisting efficient materials management
- Easy to apply, breathable fabric garments, with hook and loop closures, ensure a snug fit and simple adjustment to different limb shapes
- Adjustable alarm volume control offers the flexibility to vary the alarm volume according to the clinical setting



Optional battery operation

### DVT prophylaxis anytime, anywhere

- Optional battery pack allows the pump to be used independently of an AC power outlet and enables uninterrupted therapy even when an electricity supply is not available
- Lightweight pump design and integrated bed mount promote safe handling and convenient placement on the bed, table or trolley

### Unrivalled product service and support

- Tailored product support and clinical education programmes delivered by trained Product and Clinical Specialists
- Worldwide network of service centres provide pro-active local support and timed response servicing
- Full access to a help line manned by trained personnel offers a true 24-hour service, 365 days a year
- Wide range of financial options available to meet today's ever-changing budget requirements

*“Advice and support given to us during the purchase of the Flowtron DVT Prophylaxis Systems for our new theatres has been immensely beneficial. The training on the system was very informative and professional and staff who attended it were very impressed”<sup>5</sup>*

Mary Gooch, Senior Theatre Sister

# PRODUCT SPECIFICATIONS

Flowtron Universal / Pump Specification	
Size	230 x 270 x 150 mm (9 x 10½ x 6")
Weight	3.9 kg (8½ lbs)
Power	90-265vac, 50-60Hz
Default therapeutic setting:	40 mmHg for calf or calf/thigh compression; 130 mmHg for foot compression

## Recommendations for use

- The *Flowtron Universal* System should be used during the pre-, intra- and post- phases of surgery
- The system should be maintained continuously no less than 72 hours post-operatively or until the patient becomes fully ambulatory
- In the non-surgical patient, the system should be initiated immediately the risk of DVT formation is identified

## Contraindications

IPC should NOT be used in the following conditions:

- Severe arteriosclerosis or other ischaemic vascular diseases
- Known or suspected acute DVT or phlebitis
- Severe congestive cardiac failure (CCF) or any condition where an increase of fluid to the heart may be detrimental
- Pulmonary embolism
- Any local condition in which garments would interfere, for example: gangrene, untreated, infected leg wounds, recent skin graft, dermatitis

Local regulations may apply

1. Flam E, Berry S, Coyle A et al (2000), Femoral vein blood velocities with intermittent compression systems: implications for DVT management, Huntleigh Healthcare Clinical Report
2. Comerota A J, Chouhan V, Harada R N et al (1997), The fibrinolytic effects of intermittent pneumatic compression, *Annals of Surgery*; 226 (3): 306-314
3. Capper C (1998), External pneumatic compression therapy for DVT prophylaxis, *British Journal of Nursing*; 7 (14): 851-854
4. Stone M H, Limb D, Campbell P et al (1996), A comparison of intermittent calf compression and enoxaparin for thromboprophylaxis in total hip replacement, *International Orthopaedics (SICOT)*; 20: 367-369
5. Gooch M (2003), Personal Communication

Ordering Information		
Code	Product Description	Quantity per Carton
AC600/UK	<i>Flowtron Universal</i> Pump	1 each
ABP600	Battery Pack	1 each
639092	Battery Charger	1 each
DVT10/E	Standard Calf Garment (up to 430 mm/17" calf circumference)	10 pairs
DVT20/E	Large Calf Garment (up to 580 mm/23" calf circumference)	10 pairs
DVT30/E	Standard Thigh Length Garment (up to 710 mm/28" thigh circumference)	10 pairs
DVT40/E	Large Thigh Length Garment (up to 890 mm/35" thigh circumference)	10 pairs
DVT60/E	Extra Large <i>Bariatric Fit™</i> Calf Garment (up to 710 mm/28" calf circumference)	10 pairs
FG100/E	Regular Foot Garment (up to shoe size 7 (UK), 40 (Euro))	5 pairs
FG200/E	Large Foot Garment (shoe size 7 1/2 (UK), 40 1/2 (Euro) and above)	5 pairs
L501M/E	Standard Calf Garment (up to 430 mm/17" circumference)	10 pairs
L503M/E	Standard Thigh Garment (up to 710 mm/28" circumference)	10 pairs

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