

Flowtron[®] Excel

ACTIVE COMPRESSION SYSTEM



Based on clinical evidence, today's guidelines recommend intermittent pneumatic compression (IPC) either as an effective standalone modality, for patients at high risk of bleeding or as a combined therapy for patients at high risk of VTE.¹⁻⁴

The trusted DVT prevention device that excels in simplicity and patient comfort

Clinically proven and non-invasive, Flowtron[®] Excel is a mechanical prophylaxis system which helps reduce the incidence of Deep Vein Thrombosis in Acute Care settings.

Clinically effective VTE prevention

The Flowtron Excel system is a clinically effective, non-invasive, mechanical prophylaxis system designed to prevent Deep Vein Thrombosis (DVT) in health care facilities. The system can be used before, during and after all types of major surgery including but not limited to orthopaedic, trauma, urological and general surgery. It is also suitable for other patient groups including neurology, critical care, general medical and obstetrics.

By providing compression to a limb via calf or thigh length garments, the system increases blood velocity in the deep veins, reduces stasis⁵ and stimulates fibrinolysis⁶ – the body's natural method of preventing clots.

Flexibility

- Single leg option offers the flexibility to use one garment
- Comprehensive range of calf and thigh length garments in S, M, L and XL sizes, providing a choice to the clinician and ensuring correct sizing for effective compression
- Pressure regulator dial gives the option to adjust the compression pressure, if required

Safety

- Clearly visible illuminated LED display shows actual pressure delivered to the garment, for easy monitoring
- Audible and visual alarm features identifying alarm conditions, minimising disruption and allowing fast and easy troubleshooting
- Easy-to-clean, anti-kink tubing can be extended for convenient and safe pump positioning

Simplicity

- Lightweight pump design and integrated bed mount promote easy handling and convenient placement on the bed, table or stretcher
- Simple and secure snap-lock connection of garments to the pump prevents accidental disconnection, yet promotes easy set up
- Easy-to-apply garments with Velcro[®] closures ensure snug fit and simple adjustment to different leg shapes



"The advantages of Flowtron Excel garments are that they are well tolerated by patients, are effective, have no side-effects as the risk of haematoma and bruising are removed, and are highly visible and cost-effective"⁷



Comfort and Compliance

- Lightweight, breathable and vapour permeable garments promote patient compliance to therapy by helping to prevent the build-up of heat and moisture⁸
- Clear visual instructions printed on garment for ease of use and safety in application⁹





Flowtron Excel

Pump Specification

Size	133 x 152 x 275 mm (5¼ x 6 x 10¾ in)
Weight	2.7 kg (6 lbs)
Power	100V-230V, 50-60Hz, 35VA MAX
Pressure range	30-60 mmHg (±4 mmHg)
Suggested therapeutic setting	40 mmHg

Code	Product Description	Units/Carton
247003	Flowtron Excel Pump (with tubing connector assembly)	1 pump
L550	Tubing Connection Assembly	(150 cm/60 in)

Automatic Cycle Time

12-second inflation for venous emptying
48-second deflation to ensure venous refill



Uniform DVT garments

Application	Item ref	Size	Measurement
	DVT5	S	≤ 36cm/14in
	DVT10*	M	≤ 43cm/17in
	DVT20	L	≤ 58cm/23in
	DVT60L	XL	≤ 81cm/32in
	DVT30*	M	≤ 71cm/28in
	DVT40	L	≤ 89cm/35in

Sizing

S Small
M Medium
L Large
XL X-large, bariatric

1. Guyatt GH, Akl EA, Crowther M et al. Executive Summary: Antithrombotic Therapy and Prevention of Thrombosis. 9th edition. American College of Chest Physicians. Evidence-Based Clinical Practice Guidelines. Chest. 2012; 141(2):75-475. 2. Nicolaidis A, Fareed J, Kakkar A et al. Prevention and Treatment of Venous Thromboembolism - International Consensus Statement. International Angiology. 2013; 32(2):111-260. 3. National Institute of Health & Clinical Excellence (NICE). Venous thromboembolism in over 16s: reducing the risk of hospital-acquired deep vein thrombosis or pulmonary embolism. <https://www.nice.org.uk/guidance/ng89>. Last accessed December 2019. 4. Kakkos SK, Caprini JA, Geroulakos G et al. Combined intermittent pneumatic leg compression and pharmacological prophylaxis for prevention of venous thromboembolism. Cochrane Database of Systematic Reviews. 2016; 9:CD005258. 5. Kakkos SK, Caprini JA, Geroulakos G et al. Combined intermittent pneumatic leg compression and pharmacological prophylaxis for prevention of venous thromboembolism. Cochrane Database of Systematic Reviews. 2016; 9:CD005258. 6. Comerota AJ, Chouhan V, Harada RN et al. The fibrinolytic effects of intermittent pneumatic compression. Annals of Surgery. 1997; 226(3):306-314. 7. Comerota AJ, Chouhan V, Harada RN et al. The fibrinolytic effects of intermittent pneumatic compression. Annals of Surgery. 1997; 226(3):306-314. 8. Ellis J. The textile properties of Deep Vein Thrombosis (DVT) garments: a factor in patient compliance with Intermittent Pneumatic Compression (IPC) systems. Arjo Whitepaper. March 2019. Arjo.A00096.1.0.INT.EN. 9. Arjo Data on File: Formative Evaluation Report 100082820. December 2019

Indications

- The primary application of the Flowtron Excel system is for the prevention of Deep Vein Thrombosis (DVT) when combined with an individualised monitoring programme.
- These systems represent one aspect of a DVT strategy; if the patient's condition changes the overall therapy regimen should be reviewed by the prescribing clinician.
- The above are guidelines only and should not replace clinical judgement.

Contraindications

Flowtron Excel should not be used in the following conditions:

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

In case of uncertainty regarding contradictions, refer to the patient's physician before using the device.

* Sterile version available

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