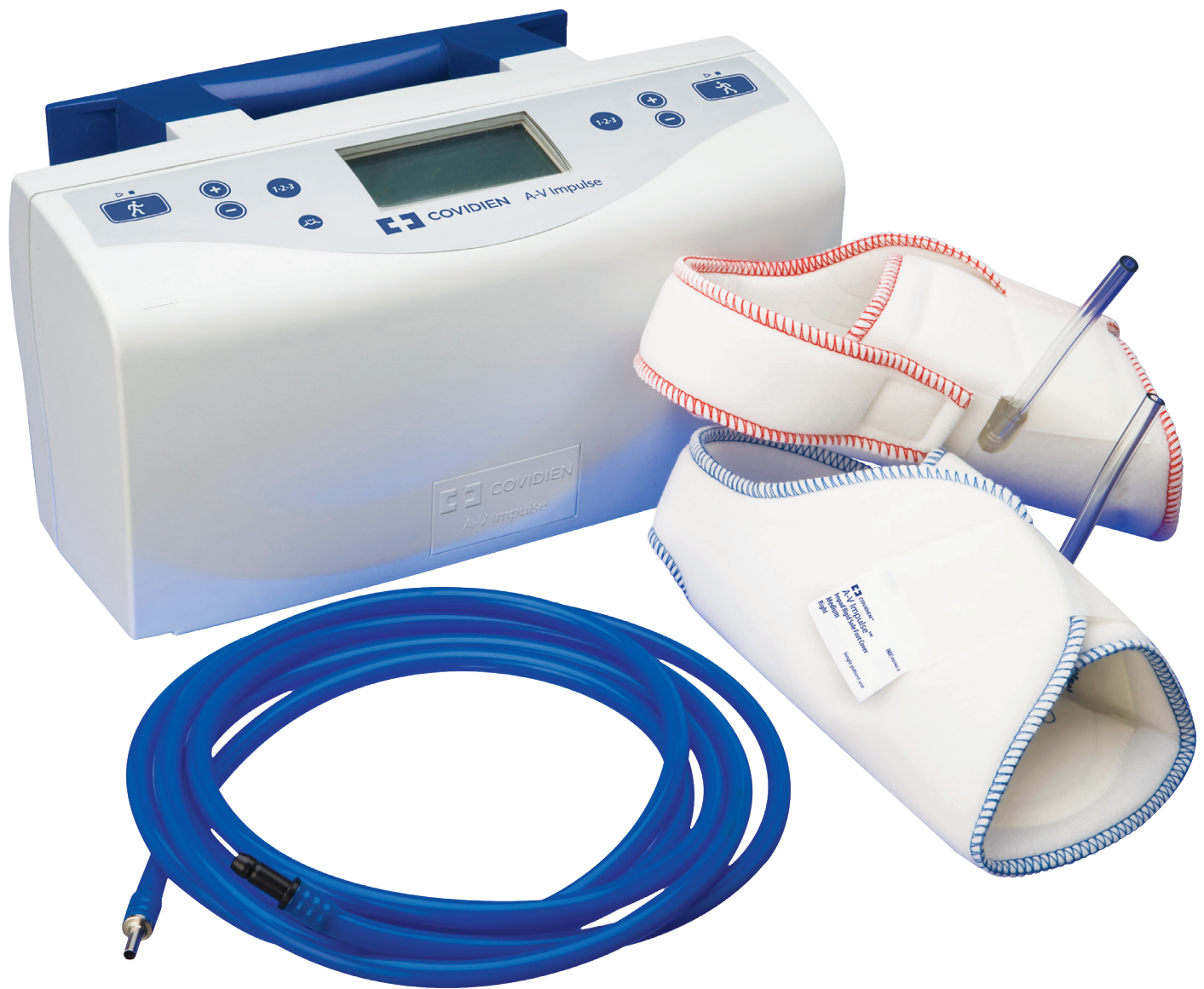


Cardinal Health™ A-V Impulse™ Foot Compression System

A step beyond DVT prophylaxis



Peace of mind for everyone involved

Nurses

Beyond a convenient, easy to apply solution for DVT prophylaxis, the ImPad™ rigid sole foot covers feature elements to help address patient comfort and satisfaction in an effort to help improve compliance.

Doctors

Beyond a clinically proven solution for DVT prophylaxis, the A-V Impulse™ foot compression system is indicated for acute swelling reduction and circulation enhancement — providing the physician with a single solution for proven outcomes with the clinician and patient in mind. ^{1,2,3,4,5,6,7,8}

Patients

Beyond a comfortable solution for DVT prophylaxis, the A-V Impulse™ foot compression system helps improve outcomes through swelling reduction and improved mobility. ^{1,2,6,8,9,10,11,12,13}



Comfort

Sweat, itchiness, skin irritation, pressure and heat are the top five factors associated with discomfort that patients experience with pneumatic leg compression.† The A-V Impulse™ ImPad™ rigid sole foot covers feature elements to help provide patient comfort and satisfaction in an effort to help improve compliance.

Sweat

Vent holes in the bladder help to circulate air between the patient's foot and ImPad™ following each compression

Itchiness

ImPad™ contains a foam polyester-lined material which is designed to help minimize patient discomfort

Skin irritation

ImPad™ is anatomically shaped and comprised of foam polyester-lined material to cushion the patient's foot during use

Pressure

Adjustable Pressure settings are designed to help maximize comfort for patients

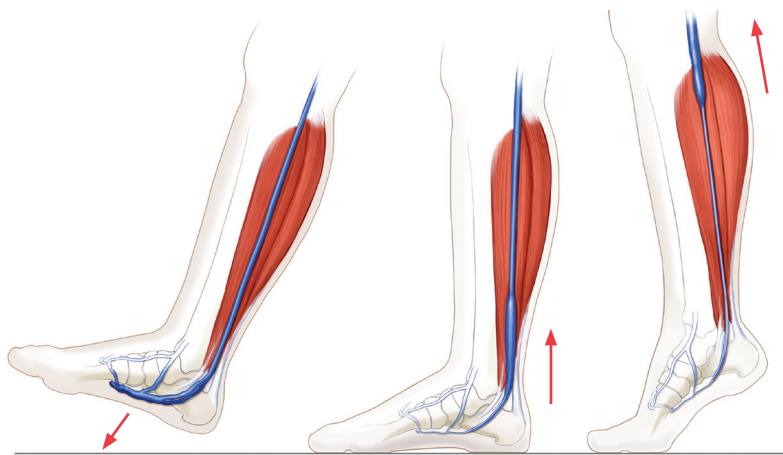
Heat

ImPad™ covers less surface area compared to leg sleeves used in pneumatic compression, reducing the amount of area where heat could be trapped against a patient's skin

Mimics the natural hemodynamic action of normal ambulation¹⁴

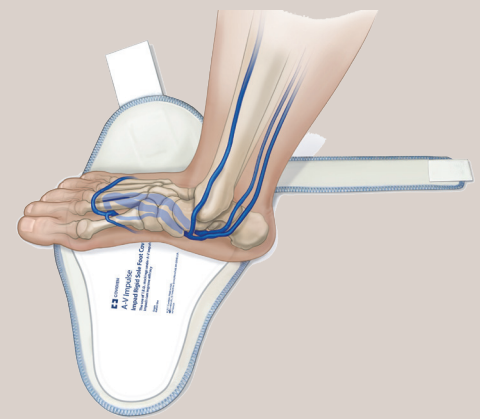
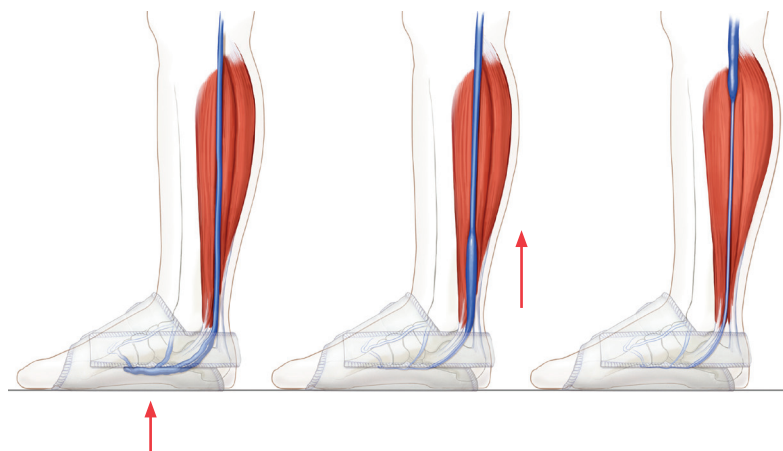
The natural sequence of physical venous flow

With every step, the plantar arch is flattened, causing the venous plexus to empty. This action sends a column of blood up to the heart, allowing plexus to refill.



A-V Impulse™ Foot Compression System mimics physical venous flow

The A-V Impulse™ ImPad™ Rigid Sole Foot Cover features a hard rigid sole designed to contain and direct the impulse directly to the bottom of the foot. This action mimics the hemodynamic effect of ambulation by flattening the plantar plexus and completely evacuating blood from the bottom of the foot.¹⁴



Default operating specifications

- 130 mmHg pressure
- 0.4 second rapid inflation simulates the weight bearing process
- 3 seconds hold time
- 20 seconds deflation

Unique design features

- Rigid sole
- Vent holes
- Cushioned foot cover
- Anatomically shaped bladder
- Dorsum wrap

Fitting



1 Select size of ImPad™ foot cover. Place foot centrally as shown.



2 Wrap inside of the foot cover over top of foot. Overlap outside of foot cover. Secure the strap around the heel.

Ordering information

A-V Impulse™ Foot Compression System

Item code	Description	Unit of measure
6060-	A-V Impulse™ Foot Compression System	1 each

Impad™ Rigid Sole Foot Cover — Latex free

Item code	Women's shoe size	Men's shoe size	Size	Foot circumference	Unit of measure
5065-	5.5-9	4.5-8	Medium	up to 12"	4 pair/case
5075-	9.5-13.5	8.5-12.5	Large	up to 13"	4 pair/case
5107-	9.5-14.5	8.5-13.5	Extra large	13-18"	4 pair/case

Sterile Impad™ Rigid Sole Foot Cover

Item code	Style	Size	Unit of measure
6066	Sterile right foot	One size fits all	4 each/case
6067-	Sterile left foot	One size fits all	4 each/case

Accessories

Item code	Size	Unit of measure
5007-	Blue tubing	1 pair



Join us in the fight against HA-VTE

Visit cardinalhealth.com/KnowVTE to learn more about strategies and solutions for prevention.

For more information or to order, speak to your local sales representative or visit cardinalhealth.com/avi

References: 1. Erdmann, et al. Os Calcis Fractures: A Randomized Trial Comparing Conservative Treatment of with Impulse Compression of the Foot. *British Journal Of Accident Surgery*. 1992;23(5):305-307. 2. Pitto, et al. Hemodynamics of the Lower Extremity with Pneumatic Foot Compression. *The Effect of the Position of the Limb Biomed Tech*, 2001. 3. Gardner AM, Fox RH. The venous pump of the human foot- a preliminary report. *Bristol Med Chir J*. 1983;98:109-112. 4. Asano H, Matsubara M, Suzuki K, Morita S, Shinomiya K. Prevention of pulmonary embolism by a foot sole pump. *J Bone Joint Surg Br*. 2001;83(8):1130-1132. 5. Morgan RH, et al. Arterial Flow Enhancement by Impulse Compression. *Vasc Endovascular Surg*. 1991 January;25:1 8-16. 6. Gardner AM, Fox RH, Lawrence C, Bunker TD, Ling RS, MacEachern AG. Reduction of post-traumatic swelling and compartment pressure by impulse compression of the foot. *J Bone Joint Surg Br*. 1990;72(5):810-815. 7. Hamilton WG, Reeves JD, Fricka KB, Goyal N, Engh GA, Parks NL. Mechanical thromboembolic prophylaxis with risk stratification in total knee arthroplasty. *J Arthroplasty*. 2015;30(1):43-45. 8. Windisch C, Kolb W, Kolb K, Grütznher P, Venbrocks R, Anders J. Pneumatic compression with foot pumps facilitates early postoperative mobilisation in total knee arthroplasty. *Int Orthop*. 2011;35(7):995-1000. 9. Pitto et al. Mechanical prophylaxis of deep-vein thrombosis after total hip replacement a randomised clinical trial. *J Bone Joint Surg Br*. 2004 Jul;86(5):639-42. 10. Myerson MS, Henderson MR. Clinical applications of a pneumatic intermittent impulse compression device after trauma and major surgery to the foot and ankle. *Foot Ankle*. 1993 May;14(4):198-203. 11. Stöckle U. et al. Fastest reduction of posttraumatic edema: continuous cryotherapy or intermittent impulse compression? *Foot Ankle Int*. 1997 Jul;18(7):432-8. 12. Stranks GJ et al. The A-V Impulse System reduces deep-vein thrombosis and swelling after hemiarthroplasty for hip fracture. *J Bone Joint Surg Br*. 1992 Sep;74(5):775-8. 13. Delis KT et al. Optimum intermittent pneumatic compression stimulus for lower-limb venous emptying. *Eur J Vasc Endovasc Surg*. 2000 Mar;19(3):261-9. 14. Andrews B, Sommerville K, Austin S, Wilson N, Browne NL. Effect of foot compression on the velocity and volume of blood flow in the deep veins. *The British journal of surgery*. 1993;80(2):198-200.

† Data on file.

For healthcare professionals only. Important information: Prior to use, refer to the instructions for use supplied with this device for indications, contraindications, side effects, suggested procedure, warnings and precautions. As part of its continuous product development policy, Cardinal Health reserves the right to change product specifications without prior notification. Please contact your Cardinal Health representative for additional product availability information.

© 2020 Cardinal Health. All Rights Reserved. CARDINAL HEALTH, the Cardinal Health LOGO, ESSENTIAL TO CARE, A-V IMPULSE and IMPAD are trademarks of Cardinal Health and may be registered in the US and/or in other countries. All other marks are the property of their respective owners. Lit. No. 2MS20-1239673-1 (09/2020)

