



User Manual

MIDI

About DVT Solutions (Australia) Pty Ltd

DVT Solutions Pty. Ltd. (Australia) is dedicated to developing new technologies with innovations in treating and preventing complications of the chronic venous disease since 2006

Operations

Our Vision: To provide solutions to the growing epidemic of Chronic Venous Thrombosis and related complications including venous ulcers and leg pain and swelling.

We are a proudly Australian-owned and operated company based in Sydney, Australia

Vekroosan® Midi DVT is designed and assembled in Australia by our design and engineering teams at a state-of-the-art facility in Sydney.

Vekroosan® Midi is an innovative device used for controlling fluid stasis created as a result of chronic venous insufficiency of the lower limbs and hence poor venous blood flow.

Vekroosan® Midi is the product brand name for a mobile calf compression device that wraps around the calf using Velcro straps. The Device includes a series of pumps that provide a gentle massage to the leg, simulating the natural mechanism of muscular contraction, and promoting healthy venous blood flow.

Vekroosan® Midi has been proven to reduce lower limb swelling and pain when used for patients suffering from chronic venous insufficiency with proven benefits at increasing venous velocity. It should be used for at least 2 hours daily for ambulatory patients.

Vekroosan® Midi can also be used safely in combination with anticoagulation therapy to help reduce the incidence of DVT in the patients post orthopaedic, spinal or any major abdominal or gynaecological surgeries, provided there is no acute DVT or phlebitis or leg ulcers.

Clinical Applications

Indications

The Vekroosan® Midi sequential calf compression device (SCCD) is designed to apply modulated external sequential pneumatic pressure to lower limbs of patients with chronic venous disorders, sufferers of Deep Venous Thrombosis (DVT) and related complications when combined with an individual monitoring programme.

This system represents one aspect of a DVT strategy; if the patient's condition changes the overall therapy regime should be reviewed by the prescribing clinician.

Contraindications

Vekroosan® Midi 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 by be detrimental.
- ✔ Pulmonary embolism.
- ✔ Active features of gangrene, recent shin graft, dermatitis or untreated infected leg wounds.

DVT Prophylaxis

- ✔ Vekroosan® Midi should be applied to the patient pre-operatively, prior to the indication of anaesthesia.
- ✔ The system should be used continuously for 6-8 hours daily post-operatively or until the patient becomes fully ambulatory.
- ✔ If the garment cannot be applied to the operative limb during surgery, it may be applied to the limb once the patient reaches the recovery unit.

In the non-surgical patient, the device should be initiated immediately the risk of DVT is significant.

Product Introduction

We thank you for buying Vekroosan MIDI and we hope you've good experience using it. Give us your feedback that will allow us to improve the product.

Vekroosan Midi Leg Massager is a lightweight, easy to operate, with set two pressures to provide a wave-like and gentle massage to the leg effectively. Ideally suited for anyone but use Caution – If you have active thrombosis, PLEASE DO NOT USE.

Operation sequence

The beauty about this Vekroosan Midi leg massager is that it has two control airbags that are inflated and deflated repeatedly, similar to manual deep tissue massage by a therapist. This improves the local blood circulation.

Functional Features

- ✔ Easy to operate and easy to charge with a USB.
- ✔ Either can be used on one leg only or on both legs simultaneously.
- ✔ 3 Working modes, 2 gear strength adjustments.

Technical specifications

- ✔ Product Name: Vekroosan MIDI
- ✔ Product Model: Vekroosan
- ✔ Rated Power: 5W
- ✔ Rated Voltage: 5V
- ✔ Battery capacity: 1200 mAh
- ✔ Default timer: 15 minutes





Caution

Do not use this Vekroosan MIDI closer to other devices as it may interfere with the operations.

Instructions on how to use

- 1 Charge Vekroosan prior to using it for the first time
- 2 Undo Velcro
- 3 When Velcroing the cuffs to the lower part of the leg, ensure that the power button faces right and then tighten as you feel comfortable.
- 4 Press the power button long enough until it beeps. This shows that the operation has started
- 5 A beep sound will come when pressing the M key to switch mode, and the light indicator will show the cycle: Mode 1 – White, Mode 2- Green, Mode – 3 Blue.
- 6 Vekroosan Midi will massage for 15 minutes as the default cycle time. Then it will shut down automatically. To restart, go to Step 4. It can be turned off anytime during the cycle by pressing the power button.
- 7 Note: during USB charging, Vekroosan Midi will not work. Red indicates low battery; Green indicates full battery.
- 8 Do not try to open the product as it is factory calibrated and installed.

Safety Instructions

- 1 Do not use whilst Vekroosan Midi is charging with the USB
- 2 Turn off the power by pressing the power switch during the cycle anytime
- 3 Do not use while driving. Vekroosan Midi must be used in a stationary & relaxing position.
- 4 Do not use Vekroosan Midi when the power cord is damaged
- 5 Do not use if there is any liquid such as water leakage.
- 6 Do not use if in doubt that Vekroosan Midi is not functioning correctly. Turn off the power immediately
- 7 Do not overtight cuffs that can make you uncomfortable.
- 8 Stop by pressing the power button any time when you feel uncomfortable.
- 9 Turn off the power to save the battery life when not being used.
- 10 Do not place Vekroosan Midi in a damp, inflammable, explosive environment.
- 11 Do not try to open Vekroosan Midi anytime to repair or change any part as it is factory calibrated and tested. Voids any warranty if you try to open Vekroosan Midi.

Cleaning

White Box: Vekroosan Midi Must be protected, clean and wiped only with a dry and soft cloth. Avoid any damp cloths.

Cuff / Cloth areas cleaning: Do not wash. Only wipe with alcohol lightly or with a clean wet towel.

Storage

Keep Vekroosan Midi away from Children operating and also keep away from the moist environment, high temperature, direct sunlight and water.

If not in use for a long time, keep the battery charged frequently.

Disposing of

When you are ready to dispose of Vekroosan MIDI, power off the device and remove the lithium battery and disposed of the battery according to the local regulations. OR send it back to the Vekroosan office.

Troubleshooting

If Vekroosan MIDI is not working properly or not working at all, try the following:

- A Press the Power switch long enough until it beeps.
- B Ensure the battery is fully charged – Green light
- C Cuff is appropriately tightened, undo Velcro and redo.

If Vekroosan MIDI still doesn't work, send an email or phone or returned to Vekroosan Office.

Technical specifications

- ✔ Vekroosan MIDI should be used with caution or under the guidance of a medical doctor in case of one or more of the following situations:
 - ✔ Pregnant or women with postpartum symptoms
 - ✔ Suffering from bone disease
 - ✔ Skin allergy (e.g., scalding or burn)
 - ✔ Patients with heart disease and abnormal blood pressure
 - ✔ Patients with epilepsy
 - ✔ Patients with implanted devices such as pacemakers
 - ✔ Patients with Osteoporosis
 - ✔ Patients with active thrombosis



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