USER MAINTENANCE
Contains no serviceable parts. Contact Ortho8 Inc. Customer Service at (800) 604-2487
Inspect the unit and all components for any damage that may have occurred during shipping or general handling prior to each use (for example, frayed or cut charging cord, cracked plastic housings, torn cuffs, etc.). Refer to image of VenaPro for description of all components.
Do not attempt to connect the wall supply if any damage is noticed.
Avoid subjecting the units to shocks, such as dropping the pumps.
Do not handle the leg cuffs with any sharp objects. If a bladder is punctured or you notice a leak, do not attempt to repair the unit or cuffs. Replacement units are available through customer service.
Avoid folding or creasing the bladder during use and transportation of the units.
Battery is not replaceable, replacement units are available through customer service.
Contact Ortho8 Inc. to receive replacements instructions for any damaged items.

STORAGE
Store in a dry location between +10°C (50°F) and +40°C (104°F).
Do not expose to heat exceeding 65°C (149°F).
Do not store items in direct sunlight.

DISPOSAL
This unit is an electromechanical device that includes printed circuit boards and rechargeable batteries. Do not discard in landfill. Consult local county requirements for proper disposal instructions.
Pump control units contain rechargeable batteries. Do not discard the pump unit in regular waste. Bring the unit to your local recycle center or contact Ortho8 Inc.

The use of accessories, power supplies and cables other than those specified, with the exception of components sold by the manufacturer of the VenaPro as replacement parts, may result in increased emissions or decreased immunity of the VenaPro.

CONTRAINDICATIONS
The VenaPro MUST NOT be used to treat the following conditions:
Persons with suspected, active or untreated, deep vein thrombosis, ischemic vascular disease, severe arteriosclerosis, pulmonary edema, severe congestive heart failure, thrombophlebitis, or an active infection.
On the legs where cuffs would interfere with the following conditions: vein ligation, gangrene, dermatitis, open wounds, a recent skin graft, massive edema or extreme deformity of the leg.
On any neuropathy.
On extremities that are insensitive to pain.
Where increased venous or lymphatic return is undesirable.

TECHNICAL DATA
Specifications:
Main Unit:
Dimensions: 5.2" X 2.6" X 1.5" (131.4 X 66 X 37.6mm)
Weight: Approx. 0.74 lb (335g)
Power Source: 3.7 volt Li-ion battery
Mode of Operation: Continuous

Output:
Leg Pressure (not adjustable) 50mmhg
System of Use:
The VenaPro is an electromechanical device that includes printed circuit boards and rechargeable batteries.

Indications for Use:
The VenaPro Vascular Therapy System, model 08-0035, is intended to be an easy to use portable system, prescribed by a physician, for use in the home or clinical setting to help prevent the onset of DVT in patients by stimulating blood flow in the extremities (simulating muscle contractions).

This device can be used to:
Enhance blood circulation
Diminish post-operative pain and swelling
Reduce wound healing time

As prophylaxis for Deep Vein Thrombosis (DVT) by persons expecting to be stationary for long periods of time

CONTRAINDICATIONS
The VenaPro MUST NOT be used to treat the following conditions:
Persons with suspected, active or untreated, deep vein thrombosis, ischemic vascular disease, severe arteriosclerosis, pulmonary edema, severe congestive heart failure, thrombophlebitis, or an active infection.
On the legs where cuffs would interfere with the following conditions: vein ligation, gangrene, dermatitis, open wounds, a recent skin graft, massive edema or extreme deformity of the leg.
On any neuropathy.
On extremities that are insensitive to pain.
Where increased venous or lymphatic return is undesirable.

POWER SUPPLY:
Class II, input: 100 - 240 Vac, 50 - 60 Hz, output: 3.7Vdc @ 1.0Amp
Use only UL/60601-1 approved power supplies from Ortho8 Inc. for use in hospital settings.

Output:
Leg Pressure (not adjustable) 50mmhg
Cycle Time: 10 Seconds

TOLERANCES:
Pressure ± 10%
Frequency ± 10%

MANUFACTURED FOR:
Ortho8 Inc.
Model No. 08-0035

Customer Service
Toll Free: 800.604.2487 Email: info@Ortho8.com Web: www.Ortho8.com

Ortho8 Inc.
2217 Plaza Drive, Rocklin, CA 95765

©2021 Ortho8 Inc.

Caution: Federal Law restricts this device to sale by or on the order of a licensed practitioner.
**SYSTEM COMPONENTS**

**INSTRUCTIONAL**

**POWER OFF:**
Unit is in "Sleep" mode. No visible LED illumination.

**POWER ON:**
Unit powers up with GREEN LED illuminated (flushing green if connected to charger and battery is charging, or yellow) if illuminated on battery is dead. After a 5-second delay, the pump will allow inflation of the attached wrap to a pre-determined pressure of 50 mmHg. Once the pressure reaches the pump's pressure level, the pump will turn off for a 10-second "rest" period, and the cuff deflates through the vent port to the leg or leg. After the "rest" period, the wrap is again inflated, and so on every 50 seconds.

By Prescribing Physician Only:
Unit use time (battery life) of the unit is powered ON is monitored and stored by the MPU (Microprocessor/Unit) and can be downloaded into Excel via the USB interconnecting to an interface module.

**BATTERY INDICATOR:**
In order to properly indicate the state of the battery and charger, there are three stages of the BATTERY INDICATOR as follows:

**STAGE 1 – GREEN:** When the unit power is ON and the battery is charging, the GREEN LED flashes. A steady GREEN LED indicates battery is fully charged (if connected to charger) or has adequate charge for portable operation if not connected to charger.

**STAGE 2 – YELLOW:** The yellow LOW BATTERY INDICATOR will remain illuminated during the pumping time and rest period. At this stage the battery charger must be connected immediately to avoid any interruption in the treatment sessions.

**STAGE 3 – RED:** When the unit is turned OFF and the battery is charging, the GREEN power button flashes. Once the battery reaches full charge, the GREEN power button remains solid.

FLASHING RED: If the battery voltage drops below a critical level at any time, while unit is ON, flashing RED and audible alarm beeps for 30 seconds. Unless unit is turned OFF, connected to charger within 30 seconds, unit WILL AUTOMATICALLY power OFF.

**QUICK START**

1. **CALF CUFF APPLICATION**
   Wrap the cuff around the calf and secure the Velcro to hold it in place. Make sure the wrap is snug but not too tight.

2. **TURNING THE DEVICE ON**
   When both wraps are secured on your legs, press the power button for about a second until a single beep tone is heard and the light is illuminated on each unit. To turn the unit OFF, press and hold the WHITE power button for about a second until a DUAL beep tone is heard and the light is no longer illuminated.

3. **USING THE DEVICE**
   Do not start. The device will make a "hissing" sound when inflating and opening your leg. THIS IS NORMAL. The wraps will inflate once a minute. If you feel an releasing around the legs, this is normal. This is a function of the device to keep your legs cool.

**WARNINGS AND PRECAUTIONS**

- The VenaPro cuffs are designed for single patient use only.
- Medical equipment necessary for special precautions regarding IVC, portable and mobile RF Communications equipment can be affected by other Medical Electrical Devices.
- Cuffs used in combination with warming devices may cause skin irritation. Regularly check for potential discomfort, compliance, and skin irritation.
- To prevent extremity compartment syndrome, special attention should be given to patients who are positioned in the supine body position for extended lengths of time. This includes patients with or without cuffs.
- Do not open or remove covers. No user serviceable parts inside. Direct all unit issues to OrthoBIO Inc.
- If pulsations or throbbing occur, the cuff may be wrapped too tightly. Loosen immediately.
- Do not use device if swelling occurs, consult a Physician.
- Device is to be used only by the patient prescribed, and only for its intended use.
- Ensure the pump control unit is turned off and unplugged from the wall outlet prior to and while cleaning or disinfecting.
- Equipment should not be used in the presence of any flammable anesthetic mixture with air, oxygen, or nitrous oxide.
- Do not immerse in any liquid for any reason.
- Do not operate device in a wet environment.
- Do not subject the unit to extreme shocks, such as dropping the pump.
- Contains no user serviceable parts. Contact OrthoBIO Inc. Customer Service.
- Do not place any items in an autosave.
- Operation of this device can be done by the patient.
- No Service is to be attempted while the device is in use.
- This device is not to be altered or modified.

**USING THE AC ADAPTER / BATTERY CHARGER**

UNIT POWERED OFF
Insert the supplied power supply plug into the port at the bottom of the unit and connect the power supply adapter to the wall socket. The GREEN "Charging" indicator on the unit will illuminate or flash, depending on the state of charge.

A full charge of a depleted battery should take about 6 hours. When the unit is turned off and plugged into the battery in charging, the power button will flash green. Once the battery reaches full charge the power button will be green and remain solid.

UNIT POWERED ON
For extended operation periods, or to charge the battery during treatment sessions, the AC adapter can be connected while the device is in use. The UNIT LED will flash GREEN whenever the unit is powered ON and battery charging, and show SOLID GREEN once the battery is charged.

CHARGING THE BATTERY: USE ONLY THE CHARGER PROVIDED BY ORTHO B INC. Use of the wrong charger can cause excessive heat, damage to the charging circuit, and shorten the life of the battery.

**ALARMS:**

"Battery Critical" – If battery voltage drops below critical level, cycling stops, audible alarm will sound, and UNIT WILL FLASH RED. Alarm will continue for 30 seconds (unless unit is powered OFF) and automatically turn the unit OFF. Plug in power supply immediately.

"Low Pressure or Leak" – When activated, if pressure limit is NOT reached within 20 seconds after pump is energized, cycling stops, ALARM sounds and BLUE "low pressure" LED, and RED power button light simultaneously. Alarm will continue for 30 seconds (unless unit is powered OFF) and automatically turn the unit OFF. Make sure wrap is attached to the leg. Turn the unit OFF, and then turn the unit back on. If the unit continues to alarm after this step, DO NOT TRY to fix the device. Call customer service for a replacement unit at (800) 604-2487.

**ALARM RESET:**
To reset an alarm condition after the "operation inhibit" stage is reached, the unit must be turned OFF. If manually turned OFF within 30 seconds of such an alarm condition occurring, unit automatically turns itself OFF. Once the unit is turned back on the alarm is RESET.

**OPTIONS:**
By Prescribing Physician Only:
At the top edge of the pump/controller unit is a switch to a mini USB port. This is NOT to be directly connected to a computer. In order to download usage data, a data expansion interface must be purchased from OrthoBIO Inc.

**CLEANING AND DISINFECTING**

**NOTE:** As with any pump, it is important to follow the cleaning and disinfecting procedures outlined to ensure the device is clean and healthy.

**WARNING:** Devices must be turned off and disconnected from the wall outlet prior to and during cleaning or disinfecting.

**DO NOT IMMERSE IN ANY LIQUID FOR ANY REASON**
- Do not immerse any component in any liquid.
- Do not immerse or move any part of the pump. Use of liquid or water, or any other substance, can cause damage to the device.
- Do not immerse or move any part of the device. Do not use any sterilization solution or any other liquid.
- Do not immerse the device in water.
- Do not use any disinfectant solution or any other liquid.
- Do not immerse in any liquid for any reason.
- Do not immerse any component in any liquid.
- Do not immerse or move any part of the device. Do not use any sterilization solution or any other liquid.
- Do not immerse the device in water.
- Do not use any disinfectant solution or any other liquid.
- Do not immerse any component in any liquid.
- Do not immerse or move any part of the device. Do not use any sterilization solution or any other liquid.
- Do not immerse the device in water.
- Do not use any disinfectant solution or any other liquid.