Technical Data Specifications:

**MAIN UNIT:**
- Dimensions: 6.9 x 4.3 x 1.8 inches (17.5 x 11.1 x 4.6 centimeters)
- Weight: Approximately 1 lbs. (0.5 kg)
- Mode of Operation: Approximately 1.1 lbs. (5.3 kg)
- Cyclic Source of Power: 8.4 V 2.2 Ah Ni-MH or 7.4 V 1.5 Ah Li-Ion Rechargeable Battery

**CAUTION:** Charge batteries using only the power supply provided by Wildcat Medical.

**POWER SUPPLY:**
- Use only UL/CSA 60601-1 approved power supplies from Wildcat Medical for use in hospital settings.
- Output: 110-120VAC 50-60Hz
- Mode of Operation: Continuous

**SYSTEM OPERATING ENVIRONMENT:**
- Temperature: +10°C (50°F) to +40°C (104°F)
- Humidity: 30% to 70%

**DEFAULT SETTINGS:**
- Calf Pressure (not adjustable): 30 mmHg
- Auxiliary Pressure: 30 mmHg (adjustable from 30-50 mmHg)
- Cycle Time for each output: 60-70 seconds

**TOLERANCES:**
- Pressure: ±5%
- Single output run time: 6 hours
- Double output run time: 5 hours
- Triple output run time: 4 hours
- Battery run time may vary when using the AUX function and/or wraps with higher air bladder capacity than that of Wildcat Medical model TP-3333 calf sleeves. See product label for battery type.

**Disposal**
- This unit is an electromechanical device that includes printed circuit boards and rechargeable batteries and should not be discarded in the landfill. Consult local, state, federal and country requirements for proper disposal instructions.
- Sleeves may be discarded in US landfills.
- Pump control unit contains rechargeable batteries. Do not discard the pump unit in regular waste. Bring the unit to your local recycler or return to Wildcat Medical.

**Intended Uses**

The TriplePlay TPVT-01 is intended to be an easy to use portable system prescribed by a physician, to help prevent the onset of DVT or treat existing DVT by stimulating blood flow in the extremities (stimulating muscle contractions).

This device (used with TP-3333 calf sleeves) can be used to:
- Aid in the prevention of DVT: Enhance blood circulation;
- Diminish post-operative pain and swelling;
- Reduce wound healing time;
- Aid in the treatment of: Stasis dermatitis, venous stasis ulcers, arterial and diabetic leg ulcers, chronic venous insufficiency and reduction of edema in the lower limbs;
- As a prophylaxis for DVT by persons expecting to be stationary for long periods of time.

**Contraindications**

The TriplePlay TPVT-01 must not be used to treat the following conditions:
- Persons with suspected, active or untreatable: Deep vein thrombosis, ischaemic vascular disease, severe arteriosclerosis, pulmonary edema, congestive heart failure, thrombophlebitis or an active infection;
- On a leg where sleeves would interfere with any following conditions: Vein ligation, gangrene, dermatitis, open wounds, a recent skin graft, massive edema or extreme deformity of the leg;
- On patients with neuropathy;
- On extremities that are insensitive to pain;
- Where increased venous or lymphatic return is undesirable;

**Default Settings**

- Calf Pressure Preset Level: 30 mmHg
- Default AUX Pressure Setting: 30 mmHg
- Auxiliary Output Pressure Range: 30-50 mmHg
- Cycle Time (approximate): 60-70 seconds
- Internal Safety Valve Relief Pressure: 100 mmHg

The rechargeable batteries supplied in this unit are not field replaceable. Return unit to Wildcat Medical if batteries require replacement.

**NOTE:** Recharge batteries every 60 days when unit is not in use in order to maintain battery integrity. Batteries can be recharged approximately 500 times between replacements.

**Environmental Considerations**

- Do not operate pump below 0°C (32°F).
- Do not expose to heat exceeding 65°C (149°F).
- Do not operate the pump if it has been stored in freezing conditions. Allow sleeves to warm to room temperature if exposed to temperatures below 5°C (41°F).
- Do not unroll or attach the sleeves in below freezing temperatures (0°C or 32°F) as damage to the air bladders can occur, making them unable to hold pressure.
- Store in a dry location between +10°C (50°F) and +40°C (104°F), 30% - 75% relative humidity.
- Limit Transport Temperatures to between -20°C (-4°F) and +60°C (140°F).
- Normal Operating Conditions Temperature Range +10°C (50°F) to +40°C (104°F) Relative Humidity 20% to 75%

**Purpose of this Device**

The purpose of the TPVT-01 is to aid in the prevention of Deep Vein Thrombosis (DVT) by helping to stimulate blood flow in the legs. This is accomplished by an electromechanically powered pump unit delivering a set amount of air to the calf sleeves (model TP-3333) that, in turn, compress the calf or calves to aid blood flow out of the lower extremities.

The TPVT-01 can also provide compression therapy to additional limb or joint sleeves (as may be prescribed by a physician) through the use of the AUX (auxiliary) function and output provided.

The pump unit will inflate the calf sleeves to a specified preset pressure of 50 mmHg, and the auxiliary wrap to a pressure of 30 mmHg (not by the user or health care provider), and deflate once that pressure is reached. Cycles are repeated until the unit is turned off. Internal rechargeable batteries allow the system to be completely portable, thus preventing interruptions in treatment.

**Set-Up Instructions**

1. Remove items from packaging and plastic bags.
2. Make sure all of the pieces listed on pages 6 are readily available.
3. Inspect all components for damage. If any parts appear damaged or are inoperable, contact Compression Solutions Customer Service (front cover).
4. Before using, contact the supplied power adapter plug into the jack on the pump and plug into the main wall socket. The LED CHARGE indicator will turn RED during the charge cycle and GREEN when the charge is complete. The unit may be used while connected to the charger.
5. Uncoil the sleeve tubing being careful to remove any kinks from tubing during compression in shroud.
6. Apply sleeves to calf(s) (see “Attaching Calf Sleeves”), route tubing under clothing or in a manner to prevent a tripping hazard and to avoid kinking. Use tube wrap blocks to support tubing as needed.
7. Ensure metal thumb tabs on the pump unit and sleeves’ air connectors are depressed to allow the air tube connector(s) to engage.
8. Connect air tubing(s) to pump air outlets.

**Attaching the Calf Sleeves**

1. Make sure that the securing tabs are on the inside of the sleeve relative to your leg.
2. Place the sleeve so that the middle of the bladder outline is against the back of your calf.
3. Wrap the sleeve around your calf so that it is a snug fit and fasten the securing tabs. A loose fitting sleeve can cause a low pressure (LO) error alarm.
4. Adjust as necessary.

**WARNING:** If pulsations or throbbing occur, the sleeve is wrapped too tightly. Remove the sleeve and re-wrap for comfort. If pain or swelling occurs, discontinue use and notify your medical professional immediately.

**Using the Auxiliary Function**

Various additional compression wraps may be prescribed by your physician to aid in therapy. The auxiliary function and additional (third) output provided on the TriplePlay-VT unit is designed to allow this flexibility.

Vascular Therapy System (Compressible Limb Sleeve Device)
Before using an auxiliary wrap, ensure that the connector on the wrap is of the type required to fit the mating connector on the TriplePlay-UT unit (contact Compression Solutions Customer Service for assistance or to order any adaptors which may be needed for this connection). Place the wrap on the extremity and ensure it firmly places as instructed by your healthcare professional. Connect the end of the air tube to the auxiliary connector on the pump unit. Once the wrap is secure and the tube is connected, turn the unit on; ensure that the AUX function is selected and make any needed pressure adjustments as instructed in the Operating Instructions.

Operating Instructions

1. After following the set-up instructions, ensure that the sleeves are wrapped snugly and fastened securely as indicated.
2. To initiate the system on, press and hold the power button for 1-2 seconds. If the unit will not power on, connect the wall supply to charge the battery (unit may be used while battery is being recharged).
3. The display will show “ON” then “- -” then “00.” The LEG1 and LEG2 LEDs will be on with a solid light. The pressure of both Calf sleeves is preset to 20 mmHg and cannot be adjusted.
4. If using the AUX function, there are three (3) pressure choices – 30, 40 or 50 mmHg. To initiate the AUX function, press and hold the power button to allow the AUX function to be activated. The preset pressure will be 30 mmHg. Repeated pressing of the AUX button will allow you to toggle through 40, 50, 30 mmHg then back to 40 mmHg. After 30 seconds, the unit will automatically cycle back to 30 mmHg. If the AUX function is on, then “- -” will be displayed and the LED is illuminated. At power on, the LEG1 LED will also be illuminated. The display will show “ON” then “- -” then “00.” The LEG1 and LEG2 LEDs will be on with a solid light. The pressure of both Calf sleeves is preset to 20 mmHg and cannot be adjusted.
5. The pump will start after a short delay (approximately 5 seconds). The display will show the pressure. The LED for the port in operation will flash while the pump is running.
6. For normal operation:
   - The wrap connected to Leg 1 will inflate (LEG 1 LED flashes slowly) then deflate (LEG 1 LED turns solid), then re-inflate (LEG 1 LED is solid).
   - The wrap connected to Leg 2 will inflate (LEG 2 LED turns solid), then deflate (LEG 2 LED turns solid), then re-inflate (LEG 2 LED is solid).
7. If the AUX function is not turned on, the normal operation will cause the pump to cycle to between ports (LEG1 and LEG2).
8. If the AUX function is turned on and connected to a wrap, the AUX wrap will inflate (AUX LED flashes slowly) then deflate (AUX LED turns solid), then re-inflate (AUX LED is solid) for LEG1 and LEG2 cycles. The cycle will be LEG1, LEG2, AUX, then the cycle repeats.
9. The cycle will continue until the pump is turned off manually – by pressing and holding the power button for (2) seconds.
10. If the display shows NO, LO, or HI, the pump will continue to operate for two (2) cycles to allow the user to correct the issue using the Troubleshooting Guide. At this point, if the issue still exists the pump will automatically shut down the port involved, and that port will no longer be included in the ongoing operation cycle.
11. The unit will begin to cycle through the selected functions 5 seconds after power on is turned on, or 5 seconds after the initial adjustments are completed. When a sleeve is being inflated, the active outlet is illuminated and controlling the corresponding “LOW BATTERY” button. If adjustments are made during a “rest” period, the unit will resume cycling at the end of that rest period and will continue cycling until the corresponding “LOW BATTERY” button is turned off.
12. The display will show “ON” then “- -” then “00.” The LEG1 and LEG2 LEDs will be on with a solid light. The pressure of both Calf sleeves is preset to 20 mmHg and cannot be adjusted.

User Maintenance

NOTICE: Contains no serviceable parts. Contact Compression Solutions Customer Service.

- 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 cord, split air tubes, cracked plastic housing, damaged LED display, torn sleeve, etc.). Refer to pages 6 and 7 for a description of all components.
- Do not attempt to connect the wall supply if any damage is noticed.
- Avoid subjecting the unit to shocks, such as dropping the pump unit.
- Never use the unit for a medical emergency for immediate replacement of any damaged items.
- Do not handle the calf sleeves with any sharp objects. If a bladder is punctured, do not attempt to repair the sleeve. Replacement sleeves model TP-3333 are available through customer service.
- Roll sleeve for storage transportation; avoid folding or creasing the bladder.
- Battery is not replaceable – return unit to Wildcat Medical if service is needed.
- Contact Compression Solutions to receive replacement instructions for any damaged items. This may include returning the damaged part to Wildcat Medical for service.

Alarms

“KINKED HOSE” or “HIGH PRESSURE” – If a pressure limit is reached in less than 2 seconds after pump is energized, cycling stops, audible alarm sounds, and display reads “HI.” In addition, the LED indicator coinciding with whichever sleeve was energized when the condition occurred flashes rapidly.

“LEAK” or “LOW PRESSURE” – When a LEG sleeve is activated, if the pressure limit is NOT reached within 2 seconds after pump is energized (or within 2 minutes when the AUXILIARY sleeve is activated), cycling stops, audible alarm sounds, and display reads “LO.” In addition, the LED indicator coinciding with whichever sleeve was energized when the condition occurred flashes rapidly. Note: it is important that the sleeves are fitted to the user to avoid false low pressure readings.

“BATTERY CRITICAL” – If battery voltage drops to a critical level, cycling stops, audible alarm sounds, and display reads “BL”. In addition, the LOW BATTERY LED indicator illuminates.

To reset an alarm condition, the unit must be turned off. If not manually turned off within 2 minutes of an alarm condition occurring, automatically turns itself off.

If you encounter any problems that cannot be resolved by the preceding information, contact Compression Solutions Customer Service.

Customer Service

Toll Free: 1-800-994-0464
Email: info@compressionsolutions.us
Wildcat Medical, LLC
dba: Compression Solutions
817 E. 4th Street
Tulsa, OK 74120 USA

Using the AC Adapter / Battery Charger

Insert the supplied power supply plug into the adapter jack on the pump unit and connect the power supply adapter to the main voltage wall socket. The battery charge LED will illuminate RED while charging battery and turn GREEN when charge is complete. When fully charged, the battery will shut-off and the battery charge LED will change from GREEN to RED intermittently. It will not be illuminated if the charger is not connected. For extended operation periods, or to charge the battery during treatment sessions, the AC adapter can be connected while the device is in use. NOTE: In hospital settings, use only a ULCSA 0001-1 approved power supply provided by Wildcat Medical, Inc. (output of 10 Volts DC 1.1 - 1.8 Amperes). Use of alternate power supplies could damage the system.

Cleaning and Disinfecting

NOTE: Inspect the TriplePlay unit and follow the cleaning and disinfecting procedures prior to each use.

WARNING: Device must be turned off and disconnected from the power mains (wall outlet) prior to and while cleaning or disinfecting.

CAUTION: Do not place any items in an autoclave.

CAUTION: Do not immerse pump unit in any liquid for any reason.

- Clean the outer surface of the pump unit using a soft cloth, moistened with soapy water or 70% isopropyl alcohol.
- Do not use bleach on any item.
- Do not use abrasive or volatile cleaners – display or control panel could become scratched and hard to read.
- Do not place sleeve in dryer, as the bladder could melt.
- Hand wash exterior of sleeve using a soft cloth moistened with soapy water or 70% isopropyl alcohol.
- Ensure product is completely dry prior to use.

Storage

- Store in a dry location between +10˚C (50˚F) and +40˚C (104˚F), 30%-75% relative humidity.
- Do not expose to heat exceeding 65˚C (149˚F).
- Do not store items in direct sunlight.
- Roll sleeve for storage transportation; avoid folding or creasing the bladder.
- Battery is not replaceable – return unit to Wildcat Medical if service is needed.
- Contact Compression Solutions to receive replacement instructions for any damaged items. This may include returning the damaged part to Wildcat Medical for service.

Troubleshooting Problems

Air tube outlet connector will not fit in port

Solution

Make sure the metal thumb latch is pressed until it clicks, such that the two ends of the connectors will fit together.

Unit will not turn on

Solution

Battery charge is too low. Connect unit to wall supply for a fresh charge and turn on.

Cannot feel pressure on leg(s)

Solution

- Sleeve is not wrapped tightly enough
- Air tubes are not connected
- Bladder is damaged and will not hold air. Replacement calf sleeves, model TP-3333, are available by contacting customer service.
- Tube is damaged
- Ensure that the sleeve is connected to the proper outlet corresponding to the selected mode

Pressure on Auxiliary sleeve is too high

Solution

- Verify settings are correctly set as prescribed
- Decrease pressure setting. Contact physician.

Hi alarm (High pressure detected or set pressure detection too soon)

Solution

Remove any kinks from line. Be sure the tubes are not tangled or constricted. Start pump again by turning unit OFF and back to ON. If after two (2) attempts the pressure is “high” (display shows “HI”), audible alarm will sound for 5 seconds (the battery charge LED will flash rapidly), that port (LEG1 or LEG2) will shut down and be bypassed for future cycles during the current operating session.

Lo alarm (Set pressure not detected within allotted time period)

Solution

Ensure tubing is properly connected, sleeves are attached to be snug and there are no air leaks. Start pump again by turning unit OFF and back to ON. If after two (2) attempts the pressure is “low” (corresponding LED will flash rapidly for 5 seconds), that port (LEG1 or LEG2) will shut down and be bypassed for future cycles during the current operating session.

No Display

Solution

Display of NO indicates there is no wrap attached to the port that is currently cycling.

BL alarm (Pump will not operate)

Solution

Battery charge is low. Connect charger.

BL alarm (Battery pack has expired)

Solution

Contact Compression Solutions at 800-994-0464

If you encounter any problems that cannot be resolved by the preceding information, contact Compression Solutions Customer Service.

Customer Service

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