Guide to Continuous Therapy



DeRoyal® Pro Series easy use guide to continuous therapy

To turn unit On:

Press the **ON** or **OK** button.

To reach 'option mode' to input settings:

- Hold the up arrow button and the down arrow button simultaneously.
 - Options for choices **Continuous, Intermittent,** or **Language** will appear on screen.

To input Continuous settings and start therapy:

- Press **OK** while highlighted over **Continuous**.
- The appearing screen is to change setting by pressing the up or down buttons.
 - Pressure will increase or decrease by -5mmhg increments.
 - Press **OK** when desired pressure is reached.
- The screen remains yellow/idle and allows for the pressure to be reviewed and confirmed.
- Press the **OK** button to START therapy, screen will turn green.
 - Pressure will slowly pull down by -5mmhg increments until desired level reached.
 - The large number present on the screen is the therapy level, the small number to the right is the **input** pressure level.

- A small bar will appear on the left hand side of the screen, it reads **too tight** at the top and **not tight** at the bottom. The bar will raise to **too tight** if not enough air flow is within the system; **not tight** will cause an alarm if there is a large air leak.

ADVANCING

- The screen will automatically lock after 15 minutes of uninterrupted therapy; however, if clinician prefers to expedite the lock, press and hold the up arrow and down arrow buttons simultaneously, a small padlock will appear in the lower left hand corner.

To stop or pause therapy from Continuous mode:

- Unlock unit if a padlock to the lower left hand side near the battery is present.
 - To unlock, press and hold the up and down arrow buttons simultaneously until the padlock disappears from the LED screen.
- To pause, press the **On** or **OK** button once.
- To turn unit off, press and hold the **Off** or **C** button for 3 seconds.
- The unit is powered off when the LED screen is dark.



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Guide to Intermittent - VPT Therapy



DeRoyal® Pro Series easy use guide to intermittent - VPT therapy

To turn unit ON:

Press the ON or OK button.

To reach OPTION MODE to input settings:

- Hold the up arrow button and the down arrow button simultaneously.
 - Option Mode choices **Continuous**, **Intermittent**, and **Language** will appear on screen.

To input Intermittent - VPT settings and start therapy:

- Press down arrow to choose mode.
- Press **OK** while highlighted over **intermittent VPT**.
- Change setting by pressing the up or down buttons to set levels in the next 4 screens.
 - Pressure will increase or decrease by -5mmhg increments.
 - Press **OK** when desired level is reached for **high therapy pessure**.
 - Press **OK** when desired level is reached for **low therapy pressure**.
 - Press **OK** when **time** for high therapy pressure is input.
 - Press **OK** when **time** for low therapy pressure is input.
- The screen remains yellow/idle to allow review of pressure and time input levels.
- Press the **OK** button to START therapy, screen will turn green.
 - Pressure will slowly pull down by -5mmhg increments until desired level is reached.
 - The large number present on the screen is the therapy level; the small number to the right is the **input** pressure level.

A small bar will appear on the left hand side of the screen. It reads **too tight** at the top and **not tight** at the bottom. The bar will raise to **too tight** if not enough air flow is within the system; **not tight** will cause an alarm if there is a large air leak.

ADVANCING

- Once this bar disappears from the left hand side, a timer bar will appear at the top of the LED screen. Once high pressure phase is met the timing bar will progress from left to right for the duration of high pressure therapy. Once max time is reached, pressure will slowly decrease to the low pressure phase and timing bar will reverse from right to left for the duration of low pressure therapy. This cycle repeats.
- The screen will automatically lock after 15 minutes of uninterrupted therapy; however, if clinician prefers to expedite the lock, press and hold the up arrow and down arrow buttons simultaneously, a small padlock will appear in the lower left hand corner.

To stop or pause therapy from Intermittent – VPT mode:

- Unlock unit if a padlock to the lower left hand side near the battery is present.
 - To unlock, press and hold the up and down arrow buttons simultaneously until the padlock disappears from the LED screen.
- To pause, press the **On** or **OK** button once.
- To turn unit off, press and hold the **Off** or **C** button for 3 seconds.
- The unit is powered off when the LED screen is dark.



Guide to Troubleshooting Alarms



DeRoyal® Pro Series easy use guide to troubleshooting alarms

When a Prospera computer detects the set level of therapy is not adequate, the LED will turn RED and **System Closed**, **System Open**, or **Check Dressing Seal**, will appear on the screen.

Other possible alarms include **Battery Low**, **Battery Empty**, or **Restart Pump**.

The detected alarm will appear on the red screen in black writing.

"System Closed" Alarm:

If unit alarms, press **OK** key to remove the error message and to silence the alarm.

Possible Cause and Fix:

- The canister is full. Drainage has filled the canister to reach the filter/sensor.
 - Change canister.
- Filter is compromised this is caused if the unit has been placed on its side and drainage has come in contact with the fliter at the suction area of the unit.
 - Change canister.
- Tubing is kinked, clamped off, or being lain on.
 - Be sure all clamps are released, tubing is straightened, and patient is not laying on the tubing in any area.
- In rare cases, too many layers of Transeal may have been placed over the patients wound, which will decrease the moisture vapor transmission rate and will not allow the necessary air flow for the unit to function at the proper therapeutic level.
 - To prevent this, please educate all clinicians to use the least amount of Transeal possible for each dressing change. Less than 3 layers is preferred.

"System Open" Alarm:

If unit alarms, press **OK** key to remove the error message and to silence the alarm.

Possible Cause and Fix:

• The motor has run for 30 seconds without reaching the set pressure.

ADVANCING

- Press **OK** and restart unit.
- Canister is not connected properly.
 - Remove canister. Line up track at the base of the canister while replacing the canister until it clicks in place.
- Tubing is not connected properly.
 - Check all tubing to be sure all closures are tightly connected.

"Check Dressing Seal" Alarm:

If unit alarms, press **OK** key to remove the error message and silence the alarm.

Possible Cause and Fix:

 Dressing seal is allowing too much air into the system, which prohibits the negative pressure to reach the indicated level.

continued on reverse



Guide to Troubleshooting Alarms continued

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- Assess dressing around edges and any overlapped Transeal areas to determine area of leak. Press firmly around the wound bed and edges to locate leak area.
- Place small amount of Transeal over the compromised area.
- If unable to initially locate the leak, use a skin prep pad over the dressing and watch/listen closely for change in noise to determine leak area.

"Battery Low" Alarm:

If unit alarms, press \mathbf{OK} key to remove the error message and silence the alarm.

Cause and Fix:

- Only 25% of battery life remains.
 - Will alarm every 15 minutes until unit battery is empty.
 - Plug in unit to the AC adapter and power source.

"Battery Empty" Alarm:

If unit alarms, press **OK** key to remove the error message and silence the alarm.

Cause and Fix:

- Battery charge has fully depleted and unit will turn off unless plugged into the AC adapter.
- From completely empty, this unit will take 6-7 hours to fully charge.
 - Plug in unit to the AC adapter and power source.

"Restart Pump" Alarm:

If unit alarms, press **OK** key to remove the error message and silence the alarm.

Cause and Fix:

- Therapy was not initiated within 15 minutes of turning on the unit or pausing the unit.
 - Press **OK** to start therapy. LED will turn green when therapy is being provided.







PROSPERA ADVANCED NEGATIVE PRESSURE WOUND THERAPY SOLUTION

ENHANCEMENTS TO CURRENT NPWT TECHNOLOGY

- Provides clinician two modes of NPWT, continuous and an innovative enhanced intermittent pressure therapy mode called variable pressure therapy.
- Variable pressure therapy (VPT) provides an advanced form of intermittent pressure that creates a gentle massage effect eliminating painful high to low spikes characteristic of traditional intermittent pressure therapy.
 - o Allows NPWT to be performed at lower negative pressures compared to continuous and traditional intermittent pressure
 - Recommended pressures between -40 to -85 mmHg
 - VPT delivered by adjusting applied negative pressure in 5 mmHg increments according to a sinusoidal function.
 - Sinusoidal application of pressure gradients greatly reduces pain to the patient
 - Continuous therapy from other manufacturers routinely applied at high pressures (-125 to -200 mmHg)
 - Eliminates the 0 to -125 mmHg gradient associated with intermittent therapy that is the cause of pain associated with intermittent therapy
 - The duration of the maximum and minimal pressures and the gradient transitions between the two pressure extremes is programmable by the clinician
 - Negative pressure is always applied to the wound under VPT
 - At 0 mmHg (intermittent) no therapy is applied to the wound bed
 - Prevents removed exudate from re-entering wound from Foam or gauze during the off period in intermittent mode.
- Able to customize therapy to each patients need
 - o Ranges from -10mmhg to -200mmhg at increments of -5mmhg pressures can be decided upon by the clinician.
 - o Option to apply continuous or variable pressure available to clinician
 - o Ability to adjust alarm sensitivities and monitor patient compliance with a "clinical screen patient mode".
- Proprietary Dual Filtration System DFS is an industry first featuring internal and external bacteria filters to ensure patient safety and prevent cross contamination. (Pro III)
- Lower pressure settings enhance comfort during use while providing necessary therapy
- Large display screen with easy to monitor and understand wording/functioning increasing patient safety
 - o Color coded display screen to signal if the unit is "idle" yellow, "functioning" green, and/or "error message" red.
- Easily transferred from a "hospital" unit to a "home" unit without having to disrupt therapy
- Lighter weight for the portable unit (2.65lbs) and the larger unit (3.97lbs),
 - o Increases mobility for patients
 - o Lightweight makes patients more comfortable and transferable.
- Contoured design of pump increases patient comfort while the pump is worn
- Carrying case that can be worn on the waist or over the shoulder.
- Dressings available to meet any patients needs and even able to be designed specifically to the facilities desires of what is in each dressing. DeRoyal can customize any kit to the facilities wants. With industry standard "black foam", a white foam option, silver contact layer options, gauze options, there is a large amount of flexibility to what each patient needs for their wound care.
- Dressing changes remain the same in what clinicians are familiar with.
- Drain kits available for use of instillation of fluids into the wound bed, if desired.
- Virtually silent operation
- Discreet, disposable canister
- Over 24 hour battery run time, rechargeable lithium-ion battery.
- · Partnership to help keep finances in the facilities and communities vs a rental model



Improving Care. Improving Business.