

# PROSPERA<sup>®</sup> SPECTRUM

Negative Pressure Wound Therapy System

DeRoyal<sup>®</sup>



## **Clinician and Patient Quick Reference Guide**

**For product support, call:  
1 (800) 524-3416**











**CAUTION:** Important safety information accompanies this document. To avoid **SERIOUS OR FATAL INJURY**, read and understand all user manuals, warnings, instructions and labeling of this unit. This prescription medical device is for use under the direction and supervision of a clinician.



**CAUTION:** Use only DeRoyal® brand canisters, dressings, and accessories with this Prospera Spectrum™ Unit to enable continuous and safe operation.



## QUICK REFERENCE GUIDE

### ICONS, INDICATORS & GRAPHICS

	<b>POWER</b>	Power system <b>ON</b> or <b>OFF</b>
	<b>HOME</b>	Access Home screen from any menu
	<b>LOCK</b>	System is locked (Patient Mode) when icon is not illuminated. System is unlocked (Clinician Mode) when icon is illuminated green.
	<b>OK</b>	Confirm selection
	<b>BATTERY</b>	Fully charged
	<b>BATTERY</b>	Battery Low; Approximately 20% remaining battery life
	<b>BATTERY</b>	Battery very low; Less than one-hour remaining battery life; connect unit to external power supply
	<b>CHARGING INDICATOR</b>	Illuminated when plugged into external power source and charging

# QUICK REFERENCE GUIDE

## THERAPY INDICATOR

	<b>THERAPY INDICATOR ACTIVE</b>	Continuous rotation confirms therapy active and maintaining pressure
	<b>THERAPY INDICATOR ALARM</b>	Confirms active alarm. See <i>Troubleshooting Guide</i> on page 11 or view User Manual.

A. Handle

B. Battery Indicator

C. Charging Indicator

D. Therapy Indicator

E. Canister

F. Power Port

G. Lock Button

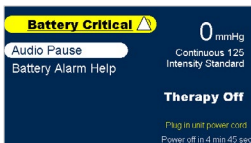
H. Power Button



# QUICK REFERENCE GUIDE

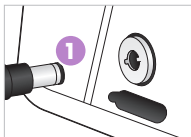
## BATTERY CRITICAL ALARM

The **Battery Critical Alarm** triggers when unit has less than 5% battery capacity remaining. Immediately connect unit to external power source.

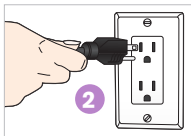


## CHARGING THE UNIT

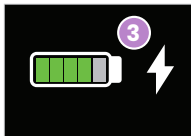
1. Plug jack end of power cord into port on side of the unit (1).



2. Plug 3-prong connector into external power outlet (2).



3. Charging indicator will illuminate white when connected properly (3).



## QUICK REFERENCE GUIDE

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**WARNING:** When in use, place the unit upright on a secure surface, avoiding areas where unit is prone to falling or being damaged.

The Prospera Spectrum™ Unit should be charged daily with the DeRoyal provided power supply. DO NOT attempt to access unit's USB port at any time - USB port is for manufacturer use only.

### CARRY BAG

1. Disconnect unit from power source.
2. Confirm unit has necessary battery power to provide therapy.
3. Open hook and loop flap on front of carry bag and place on a flat, secure surface.
4. Place unit in carry bag with screen facing bag's transparent window. Avoid inverting the unit.
5. Close the hook and loop flap on the carrying bag and adjust strap as needed.
6. Pack power cord if necessary.



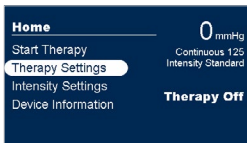
# QUICK REFERENCE GUIDE

CLINICIAN ONLY — PATIENT INSTRUCTIONS CONTINUE ON PAGE 13

## BEFORE STARTING THERAPY

Confirm the following:

1. **Therapy Settings** on Home screen match prescribed therapy.
2. Prospera Spectrum™ canister is securely connected to unit.
3. Dressing is applied properly and Prospera Smart Propel™ Dome is connected to canister.
4. Unit is operating in a safe environment and placed on a stable surface.
5. All dressings, canisters and accessories are within reach prior to beginning any dressing change procedures.



**CAUTION:** Inspect all packaging for damage or defects. Replace the entire kit and / or canister if the packaging is damaged. Stop or pause therapy prior to initiating any dressing or canister changes.

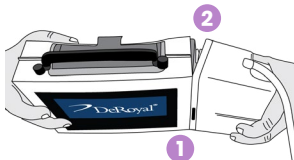
# QUICK REFERENCE GUIDE

CLINICIAN ONLY — PATIENT INSTRUCTIONS CONTINUE ON PAGE 13

## INSTALLING CANISTER PRIOR TO BEGINNING THERAPY

1. Remove exudate canister from packaging.

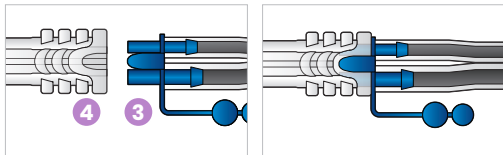
2. Align canister slot onto front unit tab (1) and rock towards the back of the unit, aligning the canister tab with the back latch (2).



3. Press the canister against the unit to engage the canister tab with the unit back latch (2). There will be an audible click when canister is securely attached to the unit.



4. Hold the end of the canister tubing, identify the canister adapter (3) and match it to the Prospera Smart Propel™ Dome silicone tubing (4). The two should connect easily without force. The adapter and silicone tubing can only connect as shown in the image below. If excessive force is required check that the two components are aligned properly.

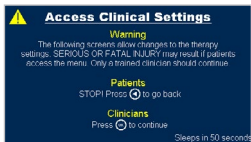


# QUICK REFERENCE GUIDE

**CLINICIAN ONLY — PATIENT INSTRUCTIONS CONTINUE ON PAGE 13**

## UNLOCK/ACCESS CLINICAL SETTINGS

1. Press any button to “wake” unit.
2. On device display, scroll down to **Unlock** and press **OK**.
3. Follow instructions on screen to **Access Clinical Settings**.
4. Continue reading **Access Clinical Settings** screens and confirm you are a clinician by entering code on the screen.



## POWERING OFF

5. To power **OFF** the unit, press **Power Button** located on the bottom right of the front panel for at least 1 second.
6. Press the **Power Button** a second time prior to the count on the screen reaching zero to acknowledge the intent to stop therapy and power **OFF** the unit. This will power **OFF** the unit and therapy will be stopped.
7. If **Power Button** is not pushed prior to count reaching zero, the unit will return to the previous screen.

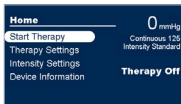


# QUICK REFERENCE GUIDE

CLINICIAN ONLY — PATIENT INSTRUCTIONS CONTINUE ON PAGE 13

## STARTING THERAPY FROM THE HOME SCREEN

1. Select **Start Therapy** and press **OK** to start therapy. Prescribed pressure level should be attained within 1 minute, dependent on intensity setting selected and wound characteristics. Dressing should be compressed.
2. Once therapy has started, the green LED therapy indicator will continuously rotate to indicate unit is maintaining pressure. Display screen also indicates current pressure setting.
3. Unit automatically locks and preserves current settings after 5 minutes of user interface inactivity. Unit sleeps within 60 seconds after locking. Press any button to “wake” unit.



## CHANGING CONTINUOUS PRESSURE SETTINGS

From the Home screen, select **Therapy Settings** → **Custom** → **Continuous** for custom continuous pressure therapy.

### 1. SET PRESSURE VALUE

Default displays a pressure of 125 mmHg. Pressure can be adjusted in increments of 5 mmHg and range from 25 mmHg to 200 mmHg. On Select Pressure screen, press **UP / DOWN** arrows to adjust to the desired pressure. Press **OK** to select and save pressure setting and return to Home screen.

2. Press **OK** again to start therapy.

# QUICK REFERENCE GUIDE

**CLINICIAN ONLY — PATIENT INSTRUCTIONS CONTINUE ON PAGE 13**

## CHANGING VARIABLE PRESSURE SETTING

From the Home screen, select **Therapy Settings** → **Custom** → **Variable** to access Custom variable pressure settings.

### 1. SET HIGH-PRESSURE VALUE

Screen displays 125 mmHg. Pressure is adjusted in increments of 5 mmHg and range from 40 mmHg to 200 mmHg. Use **UP / DOWN** arrows to adjust settings. Press **OK** to select.

### 2. SET DURATION OF HIGH-PRESSURE THERAPY

Screen displays 5 minutes. Time settings are adjusted in increments of 1 minute, and range from 1 minute – 60 minutes. Use **UP / DOWN** arrows to adjust. Press **OK** to select.

### 3. SET LOW-PRESSURE VALUE

Use **UP / DOWN** arrows to adjust low pressure. Default low-pressure setting is 40 mmHg less than high-pressure setting. Pressure is adjusted in increments of 5 mmHg. Maximum low-pressure setting is 40 mmHg less than the set high pressure. Minimum low-pressure setting is 0 mmHg. Use **UP / DOWN** arrows to adjust settings. Press **OK** to select.

### 4. SET DURATION OF LOW-PRESSURE THERAPY

Use **UP / DOWN** arrows to adjust the second time period. Time adjusts in increments of 1 minute, and ranges from 1 minute – 60 minutes. Press **OK** to select. Press **OK** to save custom **Variable Therapy** settings.

## QUICK REFERENCE GUIDE

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**CLINICIAN ONLY — PATIENT INSTRUCTIONS CONTINUE ON PAGE 13**

### **CHANGING VARIABLE PRESSURE SETTING, CONT.**

5. At Home screen, press **OK** to begin therapy. For more detail on changing Therapy Settings, please see Prospera Spectrum™ User Manual.

For more detail on changing Therapy Settings, please see Prospera Spectrum™ User Manual.

# QUICK REFERENCE GUIDE

## PAUSE THERAPY

Pause therapy to change the canister or to disconnect the unit from the dressing to perform personal care activities as directed by a trained clinician.



**DO NOT** use the unit while showering or bathing. A trained clinician will provide instructions on proper personal care while receiving therapy.

1. Select **Pause Therapy** from the menu.
2. Highlight and select one of the options.
3. When therapy is paused, the screen will display the following options.
4. To resume therapy, select **Restart Therapy**. An alarm will sound at the end of each selected time increment. The maximum time the unit will pause is 30 minutes, and device will alarm at the end of this time.
5. Select **Restart Therapy** and Press **OK** to Resume Therapy



# QUICK REFERENCE GUIDE

## REPLACING THE CANISTER

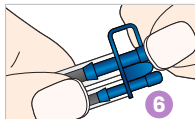
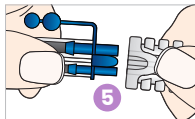
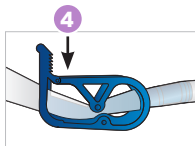


**CAUTION** Confirm canisters and accessories are within arms reach prior to beginning any canister change procedures. Inspect all packaging for damage or defects. Replace the canister if the packaging is damaged. Pause therapy prior to initiating any canister changes.

1. Prepare a new compatible DeRoyal® canister
2. Press any button to wake unit.
3. Select **Pause Therapy** option and pause therapy for 5 minutes.
4. Press blue tubing clamp until closed to ensure dressing remains under vacuum during the canister change process (4).



5. Disconnect the canister tubing from the dressing tubing (5).
6. Place blue tubing cap onto the end of canister tubing (6).

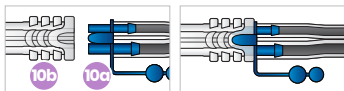


## QUICK REFERENCE GUIDE

7. Release the canister by pressing the canister release tab (7a) and pulling away from the unit. Canister slides easily without applying force. If canister resists detachment, ensure canister release tab (7a) is fully depressed and disengaged from the unit back latch (7b).

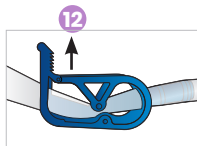


8. Remove the new canister from the packaging.
9. Connect new canister to unit. Ensure canister tab (7a) is fully engaged with the unit back latch (7b). See *Installing Canister* on page 4.
10. Hold the end of the canister tubing, identify the canister adapter tubing (10a) and match it to the Prospera Smart Propel™ Dome silicone tubing (10b). The two should connect easily without force. The adapter and silicone tubing can only connect as shown in the image below. If excessive force is required, check that the 2 components are aligned properly.



11. Check dressing and canister tubing for kinks and straighten where necessary.

12. Unclamp blue tubing clamp (12).



13. Restart therapy.

14. Discard used canister according to trained clinician instructions and federal, state, and local law.

# QUICK REFERENCE GUIDE

## LEAK CHECK INDICATOR

The leak check indicator (oval bar in lower left of display) reports status of leaks around the wound dressing seal, along the system tubing, and at the point of connection between canister and unit (see Prospera Spectrum™ User Manual for more information).



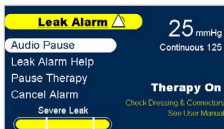
If leak is moderate, indicator remains green. A Moderate Leak does not affect efficacy of therapy, but it can reduce battery life if unit is not connected to an external power source. Leak indicator automatically changes on display screen as adjustments are made. If leak indicator displays moderate or acceptable seal, no action is required.



# QUICK REFERENCE GUIDE

## TO RESOLVE LEAKS

1. Check for secure connection between canister and unit. If not secure, detach and reattach canister (see *Replacing The Canister* on page 7).
2. Check for secure connection between canister tubing and dressing tubing. Disconnect and rejoin to ensure fit.
3. Check dressing film adherence to skin all around wound. Apply additional dressing film, if necessary, to eliminate leak. Look for areas where dressing film is folded.
4. For more detail, please see Prospera Spectrum™ User Manual.



The leak indicator will automatically adjust (shown on display screen) as leaks are addressed. Alarm will continue to sound until leak is resolved or battery is fully depleted.

# QUICK REFERENCE GUIDE

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## INDICATIONS/CONTRAINDICATIONS

The Prospera Spectrum™ NPWT System is a prescription medical unit for use under instruction of a licensed and trained clinician.

### INDICATIONS

The Prospera Spectrum™ NPWT System is indicated for use in the following applications:

- Chronic wounds
- Acute wounds
- Subacute wounds
- Traumatic wounds
- Dehisced wounds
- Grafts
- Closed surgical incisions
- Partial thickness burns
- Flaps
- Ulcers (diabetic, pressure, or venous insufficiency)

# QUICK REFERENCE GUIDE

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## CONTRAINDICATIONS

The Prospera Spectrum™ NPWT System is contraindicated for the following applications:

- Necrotic tissue with eschar present
- Unexplored or non-enteric fistulas
- Untreated osteomyelitis
- Wounds containing malignant tissue
- Exposed anastomotic site
- Exposed arteries, nerves – including vagus nerve – blood vessels, veins, internal organs

The Prospera Spectrum™ NPWT System is a prescription medical unit. Read and understand all warnings, cautions, and instructions completely and carefully before use. Using accessories, canisters or spare parts other than those recommended by and sold from DeRoyal may compromise the safety and function of the unit. Use of Prospera Spectrum™ NPWT system can cause complications, exacerbate existing conditions, or cause serious or fatal injury when used on patients with certain co-morbidities.

Local wound care by Prospera Spectrum™ NPWT system cannot overcome the deficits of unrelieved malnutrition, pressure, trauma, or compromised blood flow. Follow all instructions and interventions as directed by a health care provider to reduce or relieve factors contributing to impaired wound healing in order to achieve optimum outcomes.

# TROUBLESHOOTING GUIDE

The screenshot shows a dark blue interface with a yellow 'Leak Alarm' header and a warning triangle. Below the header is a list of options: 'Audio Pause', 'Leak Alarm Help', 'Pause Therapy', 'Cancel Alarm', and 'Severe Leak'. On the right, it displays '25 mmHg' and 'Continuous 125'. At the bottom right, it says 'Therapy On' with arrows pointing to 'UNIT STATUS' and 'ACTION(S)'. Below 'Therapy On' are the instructions 'Check Dressing & Connectors' and 'See User Manual'. At the bottom left is a yellow progress bar.

ALARM TITLE	UNIT STATUS	POTENTIAL ALARM ORIGINS	ACTION / TIPS
LEAK ALARM	Attempting to provide therapy	<ul style="list-style-type: none"> <li>» Disposable exudate canister not connected or improperly connected</li> <li>» Dressing has major opening; dressing film is not adhered to skin</li> </ul>	<ul style="list-style-type: none"> <li>» Check connections between canister-unit and canister-tubing</li> <li>» Check dressing film for leaks or creases</li> <li>» Press around film to help determine potential sources of leak</li> <li>» Evaluate skin folds and articulating skin</li> <li>» Patch discovered leak(s) with adhesive drape</li> </ul>

## TROUBLESHOOTING GUIDE, CONT.

<p><b>CANISTER FULL</b></p>	<p>Therapy automatically paused</p>	<ul style="list-style-type: none"> <li>» Disposable exudate canister full</li> <li>» Canister improperly connected</li> <li>» Filter blocked</li> </ul>	<ul style="list-style-type: none"> <li>» Replace disposable exudate canister; Restart Therapy</li> <li>» Contact equipment provider</li> </ul>
<p><b>BLOCKED ALARM</b></p>	<p>Attempting to provide therapy</p>	<ul style="list-style-type: none"> <li>» System has determined that blockage is present</li> <li>» Exudate flow obstructed (clamp / cap closed, tubing kinked, stenosis in tubing)</li> </ul>	<ul style="list-style-type: none"> <li>» Check clamps, caps and all tubing and tubing connections. Ensure tubing is not kinked or compressed</li> <li>» Ensure a dime-sized hole was cut in drape underneath dome a smaller hole or X cut may cause functionality issues</li> <li>» Ensure dome avoids skin fold or crease that could block flow at dome site</li> </ul>

## TROUBLESHOOTING GUIDE, CONT.

<p><b>BATTERY CRITICAL</b></p>	<p>Unit is <b>ON</b>, powering <b>OFF</b> imminent</p>	<ul style="list-style-type: none"> <li>» Battery nearly depleted</li> </ul>	<ul style="list-style-type: none"> <li>» Connect unit to external power supply immediately</li> <li>» Ensure power chord is connected securely to unit</li> <li>» Fewer dressing leaks extend battery life</li> </ul>
<p><b>THERAPY PAUSE TIME ELAPSED</b></p>	<p>Unit is <b>ON</b> and therapy is paused</p>	<ul style="list-style-type: none"> <li>» Therapy paused but not restarted after dressing or canister change</li> </ul>	<ul style="list-style-type: none"> <li>» Ensure canister and dressing are reconnected to unit</li> <li>» Restart therapy</li> </ul>
<p><b>IDLE ALARM</b></p>	<p>Therapy is <b>OFF</b></p>	<ul style="list-style-type: none"> <li>» Unit turned on, but therapy not started</li> <li>» Unit not turned off at end of therapy</li> </ul>	<ul style="list-style-type: none"> <li>» Contact your healthcare provider immediately</li> <li>» Communicate therapy must be selected and initiated by clinician</li> </ul>
<p><b>SYSTEM ERROR</b></p>	<p>Therapy status unknown</p>	<ul style="list-style-type: none"> <li>» Unit damaged from drop or other unknown event</li> </ul>	<ul style="list-style-type: none"> <li>» <b>DO NOT</b> use unit; contact equipment provider</li> </ul>



**For product support, call:**  
**1 (800) 524-3416**



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