



Improving Care. Improving Business.®

NPWT

Introducing the  
DeRoyal® Prospera®  
**PRO-MINI™**



**ENGINEERED** Next Generation NPWT

Since 2006, DeRoyal has been providing Negative Pressure Wound Therapy (NPWT) accessories, kits and state-of-the-art Prospera® series devices to assist in healing hard-to-heal wounds.

**SCIENTIFIC/CLINICAL** Benefits of VPT® (Variable Pressure Technology)

VPT® (Variable Pressure Technology) is proven to be the most effective form of NPWT providing a simple, comfortable and efficient wound treatment system.<sup>5</sup>

**REDUCED** Cost

The DeRoyal® NPWT system and protocols ensure optimal outcomes at reduced cost levels.

**GREATER** Patient Comfort

With a device that can easily fit on a belt or be hidden from view, the DeRoyal® Prospera® PRO-MINI™ can put a patient's concerns about a visible device to rest.

**INCREASE** Continuity of Care

Provide continuity of care with DeRoyal's breadth and depth of product line offerings.

The **Advanced** NPWT Solution™

## THE SCIENCE OF NEGATIVE PRESSURE WOUND THERAPY

### Basic Mechanisms of Negative Pressure Wound Therapy

Three leading mechanisms of action are thought to contribute to the wound healing benefits of NPWT:

- **Vacuum Assisted Drainage**
- **Reduction of Interstitial Fluid**
- **Mechanical Effects on Blood Flow, Cell Growth and Cell Proliferation**

### Intermittent and Variable Therapy Recommended for Best Results

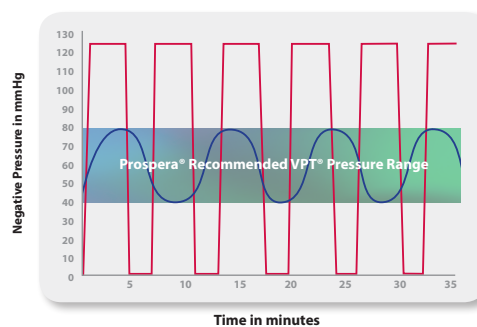
A strong and growing number of studies suggest intermittent and variable NPWT are more beneficial to the patient than continuous NPWT. Using intermittent NPWT may both increase blood flow to the wound site and increase new granulation tissue proliferation by 40% over the use of continuous NPWT.<sup>1</sup> Some researchers theorize cycling the negative pressure enhances microvascular perfusion to wounds with a hypoperfused “halo” at the wound edge. The halo decreases as blood flow disperses into the surrounding tissue, minimizing possible ischemic effects.<sup>1</sup>

## VPT® VARIABLE PRESSURE THERAPY

Research confirms intermittent negative pressure increases blood to the wound site more effectively than continuous negative pressure and proliferation of new granulation tissue is significantly higher.<sup>2,3</sup> Until now, pumps available on the market were unable to provide practical, comfortable variable pressure therapy. Prospera® VPT® technology is engineered to deliver comfortable, massaging variable pressure therapy for best results and patient comfort.

- **Customizable time and pressure settings.**
- **Calibrated to increase and decrease in comfortable 5mmHg increments between -40mmHg and -80mmHg, providing a gentle massaging effect.**
- **Virtually eliminates painful high and low pressure spikes.** <sup>3,4,5</sup>
- **Always maintains negative pressure, never dropping to 0mmHg.**

### Variable Pressure Therapy (VPT®)\*



- Intermittent pressure levels of other brands = -125 to 0 mmHg (spike)
- VPT® pressure ranges of Prospera® = - 80 to - 40 mmHg (gradual)

## PRO-MINI™ UNIT

Portable & Lightweight



## Features

- Contoured design for patient comfort
- Quiet operation
- Discreet, disposable canister
- Over 24-hour battery run time
- Carrying case that can be worn on the waist or over the shoulder
- Lower pressure settings enhance comfort during use
- VPT® (Variable Pressure Technology) provides intermittent pressure in the form of a gentle massage effect eliminating painful high-to-low spikes characteristic of traditional intermittent pressure

## Benefits

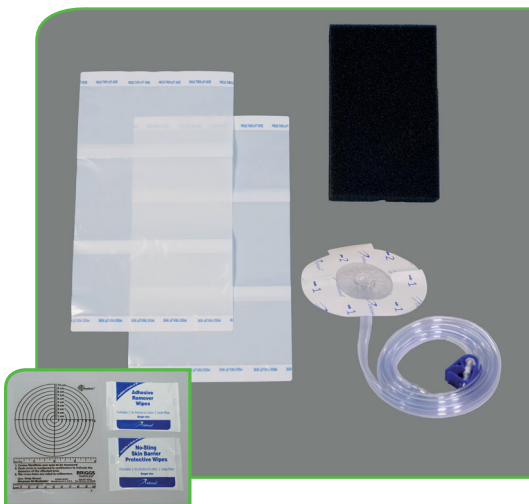
- Flexible, easy-to-use settings with CPT (Continuous) or VPT® (Variable) Pressure Therapies
- Small design makes pump easy to wear at the waist or over the shoulder
- Reduces pain and discomfort with wear time and dressing changes<sup>3,4</sup>
- Reduces the need for pain medication prior to dressing changes

THERAPY DEVICE		
SKU	Description	Quantity
NP-1000M-US	PROSPERA® PRO-MINI™	1/Cs
PROSPERA® CANISTERS		
SKU	Description	Quantity
NP-1140-US	140cc Canister	10/Cs
NP-1400-US	400cc Canister	10/Cs
NP-1600-US	600cc Canister	10/Cs

*Lightweight and discreet, the PRO-MINI™ unit is portable and comfortable so your ambulatory and homecare patients can get on with their lives.*

## ADVANCING

the art and science of NPWT with the **largest selection** of kits and accessories



## Foam Dressings

DeRoyal offers all the necessary foam dressings needed for NPWT today. Our **black foam** dressings are designed to absorb moderate to heavy exudate associated with deep wounds and are customizable to any wound size. Our **thin foam dressings** are designed to protect wounds with less exudate. **White foam dressings** are indicated for wounds that may have exposed bone, tendon, vessels, tunneling, or undermining. We also offer **silver dressings**, such as Dermanet® Ag contact layer that serve as an anti-microbial barrier against a broad spectrum of wound pathogens.<sup>6</sup>

## AMD Gauze Dressings

AMD gauze provides protection against a wide range of bacteria.<sup>7</sup> It is easy to apply and remove in one piece and the white, absorbent nature of the gauze makes it easy to monitor exudate at the wound site.

# ADVANCING

the art and science of

# NPWT



Scan QR Code  
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[www.deroyal.com](http://www.deroyal.com)

Thank you for your interest in DeRoyal's Negative Pressure Wound Therapy products. We share the same passion for patient comfort, wound healing, and ease-of-use as you do. We are confident that we can provide all the necessary tools for you to administer the best possible care for your patients. For more information, please contact your local DeRoyal Wound Care representative.

#### † References

1. Morykwas MJ, Argenta LC, Shelton-Brown EI, McGuirt W. Vacuum-Assisted Closure: A new method for wound control and treatment: Animal studies and basic foundation. *Annals of Plastic Surgery* 1997;38:553-562.
2. Borquist, O., Ingemansson, R., Malmjö, M., The Influence of Low and High Pressure Levels during Negative Pressure Wound Therapy on Wound Contraction and Fluid Evacuation. *Plastic and Reconstructive Surgery*, February 2011; 127:2: 551-559
3. Eberlein T, Fendler H, Ahearn C. Using a new technique for negative pressure wound therapy (NPWT) for the management of chronic, non-healing wounds. SAWC 2008, San Diego
4. Eberlein T, Fendler H. Using a new technique of negative pressure wound therapy (NPWT), Variable Pressure Therapy (VPT) for the management of chronic, non-healing wounds. *JWOCN* May/June 2009;36(35):S23
5. Malmjö, M., Gustafsson, L., Lindstedt, S., Gesslein, B., & Ingemansson, R. (2012). The Effects of Variable, Intermittent, and Continuous Negative Pressure Wound Therapy, Using Foam or Gauze, on Wound Contraction, Granulation Tissue Formation, and Ingrowth Into the Wound Filler. *Eplasty*, 12, e5.
6. An in-vitro laboratory study using the Kirby-Bauer Susceptibility Test to determine antimicrobial properties by measuring the zone of inhibition. Data on file with DeRoyal Industries.
7. Davydov YA, Malafeeva AP, Smirnov AP. Vacuum therapy in the treatment of purulent lactation mastitis. *Vestnik Khirurgii*. 1986;9:66-70.

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**INDICATIONS FOR USE:** The DeRoyal® PRO-Mini™ Negative Pressure Wound Therapy is a portable, battery-powered pump intended to generate negative pressure or suction to remove wound exudates, infectious material, and tissue debris from the wound bed which may promote wound healing.

For a complete listing of Features, Benefits, Indications and Contraindications, please visit [deroyal.com/npwt](http://deroyal.com/npwt)

**\* IMPORTANT: CONSULT INSTRUCTIONS FOR USE FOR COMPLETE DIRECTIONS, WARNINGS, AND PRECAUTIONS.**