



THE EVOLUTION OF  
V.A.C.® THERAPY



One unit, three therapies\*

## V.A.C.Ultra™ Negative Pressure Wound Therapy System

- V.A.C.® Negative Pressure Wound Therapy
- V.A.C. VeraFlo™ Instillation Therapy
- ABThera™ Open Abdomen Negative Pressure Therapy

\*when used with the appropriate dressings†

# Choose V.A.C.® Therapy

PROVEN BENEFITS



## Effective Healing

Mechanism of action promotes granulation tissue formation while providing a closed, moist wound healing environment.

## Clinically Proven

V.A.C.® Therapy is the only negative pressure technology substantiated by more than 40 randomized, controlled, clinical trials and over 825 peer-reviewed articles.\*

## Cost-effective

In published studies on a variety of wound types, V.A.C.® Therapy has demonstrated the potential to help reduce:

- Length of stay<sup>1-4</sup>
- Readmissions<sup>1,5</sup>
- Need for surgeries<sup>1,6</sup>

\*As of September 2013

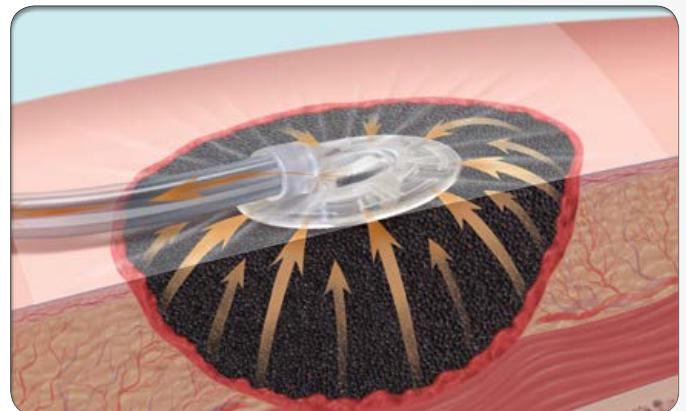
**V.A.C.® Therapy** promotes wound healing through well-established mechanisms of action.

### ↑ Macrostrain:

- Decreases wound margins
- Removes exudate
- Reduces edema
- Removes infectious material

### ↑ Microstrain:<sup>7-10</sup>

- Promotes granulation tissue formation and perfusion by means of:
- Cell proliferation
  - Fibroblast migration



# Choose V.A.C. VeraFlo™ Therapy

## ADDITIONAL THERAPEUTIC BENEFITS

V.A.C. VeraFlo™ Therapy is for wounds that would benefit from instillation therapy, such as:

- **Contaminated** wounds with instillation of topical wound cleansers.
- **Infected wounds** with instillation of appropriate topical wound solutions; these wounds also benefit from the removal of infectious materials in the V.A.C.® Therapy cycle.

### Bench and preclinical studies:

- **In a bench top study evaluating the potential for cross contamination:** V.A.C. VeraFlo™ Therapy provided contained controlled wound irrigation without bacterial aerosolization. Standard manual cleansing techniques demonstrated significant bacterial aerosolization 6 inches from the simulated wound site ( $p < 0.05$ ).<sup>12</sup>
- **In a porcine study with saline instillation:** 7 days of V.A.C. VeraFlo™ Therapy using V.A.C. VeraFlo™ Dressings showed a 43% increase in wound fill compared to NPWT using V.A.C.® GranuFoam™ Dressings ( $p < 0.05$ ). V.A.C. VeraFlo™ Therapy cycles utilized a 5-minute soak time followed by 2.5 hours of V.A.C.® Therapy.<sup>11</sup>

These results have not yet been confirmed in human studies.

### V.A.C. VeraFlo™ Therapy provides:

#### Volumetric Delivery

With a pump for automated delivery of topical wound solutions.

#### Fill Assist

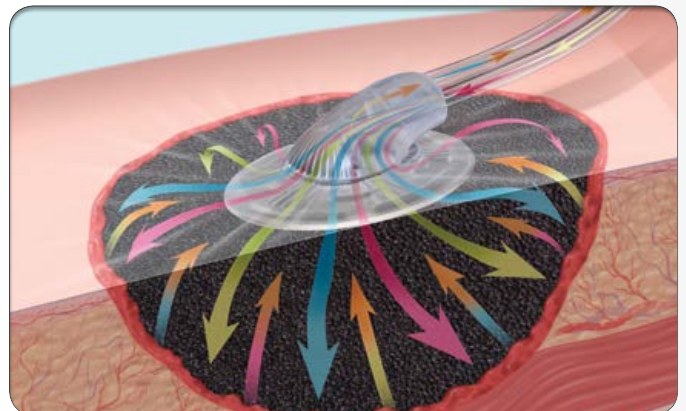
Helps determine the correct instill volume.

#### Dressing Soak

Instills topical wound solutions into the wound for easier dressing removal and increased patient comfort.

V.A.C. VeraFlo™ Therapy combines the benefits of V.A.C.® Therapy with automated solution distribution and removal. V.A.C. VeraFlo™ Therapy can help:

- ↑ **Cleanse**  
the wound with instillation of topical wound cleansers in a consistent, controlled manner
- ↑ **Treat**  
the wound with the instillation of appropriate topical antimicrobial and antiseptic solutions and the removal of infectious material
- ↑ **Heal**  
the wound and prepare for primary or secondary closure



# V.A.C.Ulta™ Therapy Accessories

WITH ALL THE RIGHT PIECES

## V.A.C. VeraT.R.A.C.™ Technology

**Enhancement** of SensaT.R.A.C.™ Technology for delivery of negative pressure wound therapy, as well as delivery and removal of topical wound solutions.

### V.A.C. VeraT.R.A.C.™ Pad



Delivery and removal through a single pad.

### V.A.C. VeraT.R.A.C. Duo™ Tube Set



Delivery and removal through separate pads.

### V.A.C. VeraLink™ Cassette



Holds and delivers user-provided wound solutions.

## V.A.C. VeraFlo™ Dressings

Provide even distribution of wound solutions across the wound bed.

### V.A.C. VeraFlo™ Dressing



Promotes granulation tissue formation and is appropriate for wounds when using V.A.C. VeraFlo™ Therapy.

### V.A.C. VeraFlo Cleanse™ Dressing\*



Allows clinicians flexibility in addressing wounds with complex geometries and is appropriate for wounds when using V.A.C. VeraFlo™ Therapy.

Dressing Property	V.A.C.® GranuFoam™ Dressing	V.A.C.® WhiteFoam Dressing	V.A.C. VeraFlo™ Dressing	V.A.C. VeraFlo Cleanse™ Dressing
Material	Black Polyurethane ether	White Polyvinyl alcohol	Black Polyurethane ester	Grey Polyurethane ester
Open cell reticulated	Yes	No	Yes	Yes
Pore size	400-600 microns all directions	60-270 microns	400-600 microns	133-600 microns depends on direction
Relative hydrophobicity* (lowest value = highest level of hydrophobicity)	1	4	2	3
Shape	Variable shapes/sizes	Sheets	V.A.C. VeraFlo™ Sm & Med: Spiral cut sheet V.A.C. VeraFlo™ Lg: Block foam pre-cut	Rod with center perforations for ease of separation into halves
Tensile strength - Dry	Baseline	3 times greater than baseline	1.7 times greater than baseline	2.5 times greater than V.A.C. VeraFlo™ Dressing™ dry
Tensile strength - Wet	Baseline	3.7 times greater than baseline	1.5 times greater than baseline	3 times greater than V.A.C. VeraFlo™ Dressing™ wet
7 day granulation tissue formation** (Swine model data) <sup>13</sup>	<b>Therapy Applied</b>			
	V.A.C.® Therapy	V.A.C.® Therapy	V.A.C. VeraFlo™ Therapy (Saline)	V.A.C. VeraFlo™ Therapy (Saline)
	<b>Results</b>			
Baseline	20% less than baseline	43% greater than baseline	<ul style="list-style-type: none"> <li>•37% greater than V.A.C.® WhiteFoam Dressing with V.A.C.® Therapy</li> <li>•24% less than V.A.C. VeraFlo™ Dressing with V.A.C. VeraFlo™ Therapy</li> </ul>	

\*Lowest value = highest level of hydrophobicity.

\*\*Granulation thickness based on histology; results have not yet been confirmed in human studies.



## Enhanced Graphic User Interface

Intuitive touch screen menu with fewer screens to initiate therapy

Simple therapeutic programming

## Customized Pressure Algorithms

Continuous negative pressure (from -25 to -200mmHg)

Dynamic Pressure Control is the evolution of intermittent therapy that maintains minimum negative pressure levels between cycles, helping to prevent leaks and fluid accumulation that can occur when there is no negative pressure at the wound site

## Proven V.A.C.® Therapy System

Compatible for use with existing V.A.C.® Therapy System accessories:

- SensaT.R.A.C.™ Technology** provides continuous feedback for enhanced negative pressure accuracy.
- V.A.C.® GranuFoam™ Dressings** help promote granulation tissue formation and facilitate exudate removal.
- V.A.C.® Canisters** collect exudate.
- Seal Check™ Leak Detector** offers instant feedback to help identify leaks.

When using **V.A.C.Ultra™ Therapy Unit** for **V.A.C.® Therapy** only, it is compatible with **V.A.C.® Dressings** featuring **SensaT.R.A.C.™ Technology**.

## V.A.C.ULTA™ SYSTEM ORDERING INFORMATION

Part Number	Description
ULTDEV01/US	V.A.C.Ultra™ Therapy Unit, United States
ULTVFL05SM	V.A.C. VeraFlo™ Dressing, 5-pack, Small
ULTVFL05MD	V.A.C. VeraFlo™ Dressing, 5-pack, Medium
ULTVFL05LG	V.A.C. VeraFlo™ Dressing, 5-pack, Large
ULTVCL05MD	V.A.C. VeraFlo Cleanse™ Dressing, 5-pack, Medium
ULTLNK0500	V.A.C. VeraLink™ Cassette, 5-pack
400230	Prontosan® Wound Irrigation Solution with Adapter, case of 10
ULTDUO0500	V.A.C. VeraT.R.A.C. Duo™ Tube Set, 5-pack
M8275063/5	500 mL InfoV.A.C.® Canister with Gel
M8275093/5	1,000 mL InfoV.A.C.® Large Canister with Gel



\*V.A.C.Ultra™ Therapy Unit is compatible with all the InfoV.A.C.® Canisters

†The dressings to be used with each therapy option are: 1) V.A.C.® Therapy using V.A.C.® GranuFoam™ and V.A.C.® WhiteFoam Dressings, 2) V.A.C. VeraFlo™ Instillation Therapy using V.A.C. VeraFlo™ and V.A.C. VeraFlo Cleanse™ Dressings, and 3) ABThera™ Open Abdomen Negative Pressure Therapy using ABThera™ SensaT.R.A.C.™ Open Abdomen Dressing. Do not use V.A.C. VeraFlo™ Therapy when using the ABThera™ SensaT.R.A.C.™ Open Abdomen Dressing. Visit [www.openabdomen.com](http://www.openabdomen.com) for more information on ABThera™ Open Abdomen Negative Pressure Therapy.

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13. KCI data on file.



For more information about the V.A.C.Ultra™ Therapy System, contact us at **1-800-275-4524** or visit **[www.vaculta.com](http://www.vaculta.com)**



**NOTE: Specific indications, contraindications, warnings, precautions and safety information exist for KCI products and therapies. Please consult a physician and product instructions for use prior to application. Rx only.**

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